

# Documentation FXXOne

Document generated on: 2/5/2025

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# **Getting Started**

**FXXOne** is a SaaS Remote Monitoring and Management (RMM) platform that enables the analysis, management, and monitoring of your user's work devices.

It has many features, including secure remote assistance, detailed collection of diagnostic data, system status notifications, self-healing of known issues, and unattended implementation of support procedures.

The following modules are included in **FXXOne**:

- <u>Portal</u>
- <u>FlexxAgent</u>
- <u>Workspaces</u>
- <u>Analyzer</u>

To start using **FXXOne**, in addition to the subscription, the installation of <u>FlexxAgent</u> on user devices is required. As soon as it starts reporting, you'll be able to access the different modules that make up the platform.

Once the subscription is created, these are the steps to start enjoying the service:

- 1. Access Portal.
- 2. Create a reporting group.
- 3. Download and install FlexxAgent on the devices you want to manage.



From that moment, the devices will report to the service and can be managed from Workspaces; additionally, through Analyzer, analytical data of the applications, user experience, and other devices can be obtained.

We also recommend:

- Explore the microservices available in the Marketplace and activate the ones you prefer.
- Grant access to other technicians to the consoles.

We hope you enjoy **FXXOne** :)

### **Documentation in PDF**

The documentation for FXXOne for this version can be downloaded here in PDF format.

The downloaded file is an export of the content of this website for the selected version as of the version's publication date. It is recommended to periodically check for new versions on this page.

# FlexxAgent

FlexxAgent is the local component of the solution. It collects information about devices and applications and sends it to the service's web consoles. It is a binary that, once installed, establishes end-to-end encrypted and secure communications.

FlexxAgent is compatible with <u>Windows</u>, <u>Linux</u>, <u>macOS</u>, <u>ChromeOS</u>, and <u>Android</u> operating systems.

Flexxible III	👶 Mi organización	Administrador de     Organización
ය Inicio	Fix One Agent - X	
🖧 Inquilinos	* rlexxible*	
Ø Microservicios		+ Nuevo
Settings ^	Downloading FlexxAgent	
Información	No	Acción
Usuarios	Se Copyright © Flexible	Ver detalle
Productos	VIP Interactivo	Ver detalle
Módulos	Eamilia Interactivo	2 Ver detalle

# Features

- It is a mandatory component of the solution, so to see and manage a device in the consoles, it must have FlexxAgent installed.
- It allows remote and automatic actions on demand to improve the efficiency of support teams.
- It simplifies user self-service with the possibility to perform support actions autonomously without leaving the session.
- It gathers data about the device's status, usage, and errors.
- It reports on resource and application usage.
- It executes self-remediation actions.
- It provides a secure remote assistance interface to users and unattended access to administrators.
- It can perform operations on devices, such as waking them on the network via Wake on LAN (WoL).

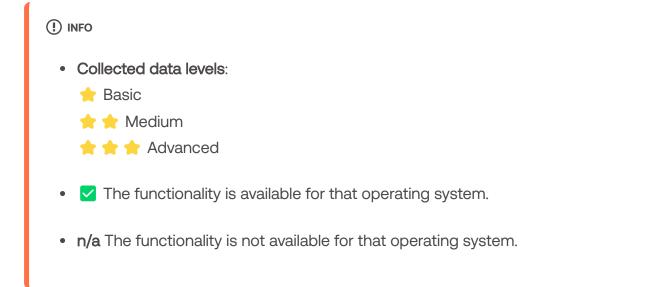
# Functionality

The operating, installation, diagnostic particularities or details of FlexxAgent for each operating system are described in their respective article. The global functionalities of FlexxAgent, as well as its level of operability for each supported operating system, are defined in the following table:

Feature	Windows	Linux	macOS	Android	ChromeOS
Storage information	***	***	***	**	**
Network information	***	***	***	**	**
System hardware information	***	**	**	*	*
System performance information	***	**	**	*	*
User session performance information	***	**	**	*	*
Diagnostic information	***	**	**	*	*
User notifications	***	**	**	*	*
Installed apps					

Feature	Windows	Linux	macOS	Android	ChromeOS
FlexxAgent auto-update				Managed by Google Play	Managed by Google Play
Session and power actions				N/A	N/A
Proxy support					
OS update information				N/A	N/A
Microservices execution				N/A	N/A
OS update application				N/A	N/A
User processes					
System processes					
System event collection		N/A	N/A	N/A	N/A
Applied GPO collection			N/A	N/A	N/A
Plug & Play devices and errors				N/A	N/A

Feature	Windows	Linux	macOS	Android	ChromeOS
Custom fields				N/A	N/A
Compliance information				N/A	N/A
Wake on LAN				N/A	N/A
System services				N/A	N/A
End user microservice				N/A	N/A
Flows				N/A	N/A
CrowdStrike integration					
Application and system errors					
User experience surveys					
Remote Assistance					
Unattended remote assistance					
Dynamic remote assistance					



# **Data retention**

The data collected by FlexxAgent is sent to the service with retention times by data type, as defined below:

Туре	Information	Retention
Alert	rt Monitoring alerts generated on the devices	
Connection Logs	Includes information on when users log on, disconnect, reconnect, or log off on their device.	30 days
Boot duration	Device uptime	31 days
Sessions	Session performance information and counters	2 hours of statistics
Workspaces	Device information, statistics, and details	3 months of statistics

Туре	Information	Retention
Unreported workspaces	Since a device stops reporting, how many days until it is removed from the console	Controlled by a setting, default 31 days
Events logs	Log retention time for default and additional system logs, defined in FlexxAgent settings	7 days
Plug and Play events	Peripheral information and events	7 days
Jobs	Log of actions performed in the environment	90 days
Notifications	Log of historical notifications generated in the environment	3 months

# **FlexxAgent / Supported Systems**

The agent is available in the support cycle for the following operating systems.

- <u>Microsoft Windows</u>
- Linux
- macOS
- <u>ChromeOS</u>
- <u>Android</u>

# FlexxAgent / Supported Systems / Windows

FlexxAgent supports 64-bit Windows operating systems; it cannot be installed on 32-bit systems. The installation binary is available with and without a graphical interface, making it fully compatible with unattended deployment mechanisms and the installation wizard.

<b>8</b>	Administrador de tareas	Q. Busque un	nombre, publi	cador o P.			- 0	×
≡	Procesos	E Ejec	utar nueva tarea	0 1	inalizar tarea	灾 Modo	de eficiencia	
P	^ Nombre	Estado	19% CPU	88% Memoria	0% Disco	0% Red		
ନ ତ	<ul> <li>FlexxAgent</li> <li>FlexxAgent service</li> </ul>		0%	98,5 MB	0 MB/s	0 Mbps		
	🐱 FlexxAgent Analyzer		0%	34,6 MB	0 MB/s	0 Mbps		

FlexxAgent consists of a Windows service called FlexxAgent Service, which manages two processes: FlexxAgent (process), which runs at the system level, and FlexxAgent Analyzer (process), which starts for each user session.

This structure enables FlexxAgent to address multiple session devices, such as terminal servers, Citrix, or AVD, and acquire detailed metrics to enhance diagnostic capabilities.

For example, if a person is working on their laptop, the FlexxAgent process would run at the system level, and the FlexxAgent Analyzer would run from the user's identity. If the device hosts multiple user sessions, in addition to FlexxAgent at the system level, FlexxAgent Analyzer will run for each user session on that device.

In terms of resource requirements, FlexxAgent has very modest consumption, hovering around the following values:

- Disk space used: < 200 MB
- CPU: < 0.5%
- RAM: 100-200 MB

## FlexxAgent Service (system)

- For resource consumption information, including performance counters, hardware, sessions, profiles, disks, partitions, and Windows services, the default value is 60 seconds.
- Event log error events are sent every 10 minutes.
- User profile information is obtained every 15 minutes.

### FlexxAgent Analyzer (user)

- Includes application usage analysis, diagnostic data, and user experience.
- Data is collected locally every 15 seconds.
- The report is sent to the service every 5 minutes, although this metric can change in specific functionalities.

#### () INFO

These values can be adjusted in **Settings** on the different consoles, providing flexibility to meet specific needs.

## **Supported versions**

The operating systems compatible with FlexxAgent are those still within the manufacturer's support cycle. Although installation is allowed on versions without such support, certain functionalities might not be available.

Microsoft operating systems with full support and compatibility are:

- Microsoft Windows 10 or later
- Microsoft Windows Server 2016 or later

FlexxAgent can also be installed on Windows 7 and 8.1 SP1, Windows Server 2008 R2 SP1, and Windows Server 2012, but it will be subject to some limitations.

## **Software Requirements**

FlexxAgent also requires certain software components:

- .NET Framework 4.6.2 or later, Flexxible recommends installing .NET Framework 4.8.
- Windows PowerShell 4.0 or later (Windows PowerShell 5.1 recommended)
  - Note: The Azure PowerShell execution policy should be set to Unrestricted.

## **Considerations for Windows versions in EOL**

Windows versions in End of Life (EOL), meaning they are out of support, have some limitations in running FlexxAgent, which may cause certain functionalities to not be supported.

## Limitations

Some limitations might disable its functionalities when using FlexxAgent on older Windows operating systems that are out of support:

- GPU consumption metric collection
- Flow execution
- End-user microservices execution
- Storage unit information
- For virtual devices, broker and hypervisor detection is not available for all providers.
- There is no User Input Delay (UID) data because this counter is only supported on Windows Server 2019 and later, and Windows 10, version 1809 and later.

Broker detection might not work for all brokers. There is no user input delay performance data as this counter does not exist in Windows 7 or Windows Server 2008 R2.

#### Windows 7 and 2008

The installation of FlexxAgent supports the Windows 7 x64 or Windows Server 2008 R2 SP1 operating system under the following conditions:

• The update <u>KB4474419</u>: SHA-2 code signing support update for Windows Server 2008 R2, Windows 7, and Windows Server 2008: September 23, 2019 must be installed.

- The update <u>KB3140245</u>: Update to enable TLS 1.1 and TLS 1.2 as default secure protocols in WinHTTP in Windows must be installed, and follow the instructions in the How to enable TLS 1.1 and TLS 1.2 as default secure protocols in WinHTTP in Windows section of the Microsoft support page.
- Requires at least .NET Framework 4.6, but Flexxible recommends installing .NET Framework 4.8.
- PowerShell 2.0 with Windows 7 is not compatible with the required TLS 1.2 version to install FlexxAgent. Windows Management Framework 5.1 is required to be installed, which installs PowerShell 5.1.

#### Windows 8 and 2012

The installation of FlexxAgent supports the Windows 8 operating system under the following conditions:

- .NET Framework 4.6.2 is required, Microsoft blocks the installation of later versions of .NET Framework on Windows 8.0.
- All Windows security updates are required to ensure compatibility with TLS 1.2 and SHA-2 code signing.

# Download

The installation binary download for FXXOne is available with and without graphical interface.

#### INSTALLATION BINARY DOWNLOAD WITH GRAPHICAL INTERFACE

#### BUTTON TO DOWNLOAD FLEXXAGENT

In Portal -> Home, the Download agent button will allow you to download FlexxAgent to the device. This option is available to all Organization Administrators users of any type of organization.

If the organization has more than one report group, clicking on the Download agent button will change the interface to the Report groups section to download FlexxAgent in

#### the chosen report group.

Fle	exxible					a e e e e e e e e e e e e e e e e e e e		
ŵ								
焰	Inquilinos							
Φ	Microservicios	~	O	ଜ	.+.			
۲	Settings	×	Workspaces	Analyzer	Descargar agente			
			Tus productos			I		
			Entorno		Tipo de	producto	Acción	
			ExcOne		Foot	One	Ver detalle	

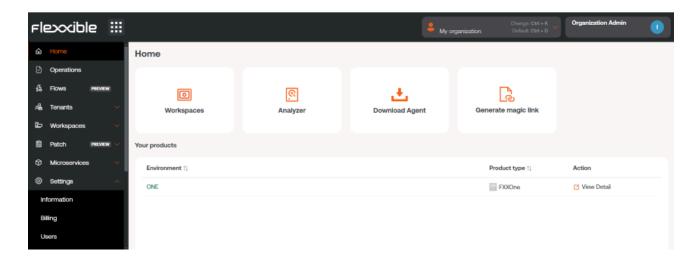
A few seconds after the installation, the device will be visible in Workspaces. All functionalities for controlling, monitoring, and automating tasks on your devices will be activated from that moment.

#### **BUTTON TO GENERATE A MAGIC LINK**

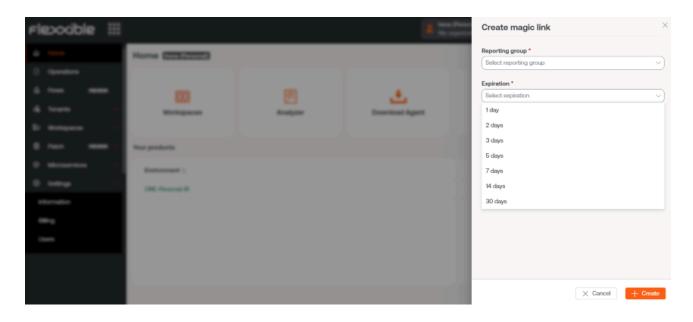
The Generate magic link button optimizes the access to download FlexxAgent on the devices. It allows users with the Organization Administrator role within a partner-type organization to generate and send a link to users so they can download the agent on their devices without being logged in.

#### Create magic link

The Generate a magic link button is located on the Portal home page in the consoles of users with the Organization Administrator role within a partner-type organization.



Clicking the button opens a form where you should specify which report group the link will be assigned to and for how long it will be active.



Next, a window will indicate that the link has been created. And it will allow you to copy it directly to share it.

Flexocible III		Create magic link ×
<ul> <li>a. serie</li> <li>b. serie</li> <li>c. serie</li> <li>d. serie</li> <lid. li="" serie<=""> <li>d. serie</li> <li>d. serie</li> <li>d. s</li></lid.></ul>	Magic link created         The magic link has been created successfully         Imagic link will segan created successfully         The magic link will segan created successfully         Imagic link/segan created succesfully	API Key generated successfully

By clicking Accept, the console will automatically go to the detail view of the selected report group. From there you can check the magic link just created, as well as others that have been created earlier.

Fle	excible	2 📖			All My orga	anization	Change: Ctrl + K Default: Ctrl + D	Organizati	ion Admin	
ŵ	Home		Reporting groups > VIP							
	Operations		VIP							
53	Flows	PREVIEW	Details Roles Users Magic Links							
rå.	Tenants	~								
₽	Workspaces	~	🕂 Create 💼 Export 🕐 Refresh							1
â	Patch	PREVIEW	O Search by term	<b>▽</b> Filter						
Ø	Microservices	~	Created at 11 Created by 11	Magic link 🛍	Expires at 11	Revoked at 1	Last used at 11	Downloads 11	Action	
۲	Settings	^	12/3/24, 1:02:24	https://one.flexxible.com/magic-link?key=b65	12/10/24, 1:02:24	-	-	0	N Revoke	
In	formation		12/3/24, 12:08:33	https://one.flexxible.com/magic-link?key=91b	12/4/24, 12:08:33	-	12/3/24, 12:18:19	1	S Revoke	
В	ling		12/3/24, 11:06:01	https://one.flexxible.com/magic-link?key=at2	12/8/24, 11:06:01.	-	12/3/24, 11:09:27	1	S Revoke	
U	sers									

#### Use a magic link

To use the link just copy and paste it into the browser's address bar. At that moment, FlexxAgent will show the following screen, indicating that it has been downloaded on the device.



#### Revoke a magic link

A Magic link can be revoked from Portal -> Settings -> Report groups. In the list view, click on the report group where the Magic link you want to revoke is located. And then, in the Action field of the table, choose the Revoke option.

A window will appear to confirm the action.

Flexxible 🔛		[	Hy organization	Change: Ctrl + K Default: Ctrl + D	Organization Admin	0
Patch REAVENT     Alcroservices     Settings     Information Billing	Resorting groups > VIP VIP Details Roles Users Magic Links + Create @ Export () Refresh Search by term.	<b>Revoke magic link</b> Are you sure you want to revoke this magic link?				~
Users Roles Products Modules Integrations Reporting groups	Created at 11 Created by 11 12/3/24, 152224 F 12/3/24, 12:08:33	Created at: 12/3/24, 12:08:33 PM     Created by:     Last used at: 12/3/24, 12:18:19 PM     Downloads: 1     OK Cancel     https://one/flexxible.com//magic-lin 12/8/24, 15:08:01	3 - 12	2/3/24, 12:18:19 1 1	Action S Revoke Revoke S Revoke	

By clicking Accept, a message will appear for a few seconds in the report group table informing of the action: "The magic link has been successfully revoked."

It is not possible to use a Magic link that has been revoked or has expired again.

#### INSTALLATION BINARY DOWNLOAD WITHOUT GRAPHICAL INTERFACE

The download of FlexxAgent without a graphical interface is done from Workspaces -> Level 2 -> Reporting Groups.

In the list view table, you must select the report group for which you want to download the agent and click on the Download FlexxAgent button.

Flex	WORKSPACES		C Log Off			
Search Q Level 1 > Level 2 ~ Alert notification profiles	Reporting groups		My Filters			
Alert subscriptions	ld Id	Name 🕆	Tenant			
≣: Event logs		(19/19/00/14	(mm. (Network))			
•		Sensitives	(teres)(Teresand)			
Locations		100 U	(meadlement)			
o to to to to to to to to to to to to to to to to to t	Count=3					
Notifications	< 1 >		Page size 20 *			

A window will open to download the FlexxAgent installer.

Download FlexxAgent Installer	OK Cancel						
Download a .zip file to install or repair FlexxAgent on machines communicating through this messaging service.							
Target processor architecture	x64	•	Generate standalone installer (offli	ine)			
Please refer to http://5fbe840348819.helpdocsonline.com for information on the FlexxAgent-Installer.exe command line arguments.							

- If the Generate standalone installer (offline) option is selected, during installation, the binary will not require internet access for verification or downloading binaries.
- If, on the other hand, the Generate standalone installer (offline) option is not selected, the minimal installation package will be downloaded. In this manner, the binary will access the internet to verify and download the latest binaries.

# **Unattended Deployment**

FlexxAgent supports being launched through unattended deployment methods, such as GPO distribution, Intune, SSCM, and many more tools.

### Installation

The unattended installation of FlexxAgent is done via PowerShell.

```
Start-Process "<ruta>\FlexxAgent-Installer.exe" -ArgumentList "<agregar
parámetro>" -WindowStyle Hidden -Wait
```

### Uninstall

To uninstall FlexxAgent unattended:

```
"C:\Program Files\Flexxible\FlexxAgent\VDIServiceUpdater.exe" /Uninstall
"C:\Program Files\Flexxible\FlexxAgent\FlexxAgent.exe" /quiet
```

The Microsoft Windows installer used to uninstall FlexxAgent does not delete all files, folders, registry keys, or registry values created during the installation of FlexxAgent. If you need a clean system image, you can safely delete the following files, folders, registry keys and registry values.

#### Files

- C:\Windows\Prefetch\FLEXXAGENT.EXE-XXXXXXX.pf where XXXXXXXX is a string of letters and numbers
- C:\Windows\Temp\FlexxAgentInstallation.log

#### Folders

- C:\Program Files\Flexxible
- C:\ProgramData\Flexxible

## Reinstallation

To reinstall FlexxAgent on a device removing its preexisting configuration, execute:

FlexxAgent-Installer.exe -repairAgent

For example:

```
Start-Process "<ruta>\FlexxAgent-Installer.exe" -ArgumentList "-repairAgent
true" -WindowStyle Hidden -Wait
```

## **Known Issues**

#### FlexxAgent installation

#### Issue 1 - Windows Management Instrumentation (WMI)

During the installation and/or reinstallation of FlexxAgent, if the computer encounters issues caused by the Windows Management Instrumentation (WMI) service, the process may report these errors in the CMD window:

```
C:\intune>FlexxAgent-Installer.exe

2025-01-30 09:43:02 - FlexxAgent version: installer

2025-01-30 09:43:02 - FlexxAgent version: installer

2025-01-30 09:43:02 - FlexxAgent version: installer

ERROR: Clase no válida "Win32_BootConfiguration"

ERROR: No se puede llamar a un método en una expresión con valor NULL.

ERROR: No se puede llamar a un método en una expresión con valor NULL.

ERROR: No se puede llamar a un método en una expresión con valor NULL.

ERROR: No se puede llamar a un método en una expresión con valor NULL.

ERROR: No se puede llamar a un método en una expresión con valor NULL.

ERROR: No se puede llamar a un método en una expresión con valor NULL.

ERROR: No se puede llamar a un método en una expresión con valor NULL.

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ERROR: No se puede llamar a un método en una expresión con valor NULL.

ERROR: No se puede llamar a un método en una expresión con valor NULL.

ERROR: No se puede llamar a un método en una expresión con valor NULL.

ERROR: No se puede llamar a un método en una expresión con valor NULL.

2025-01-30 09:43:03 - Path of current execution: .

2025-01-30 09:43:03 - Orfiguration file path: .\flexxAgent-Configuration.conf

2025-01-30 09:43:03 - Orfiguration file path: .\flexxAgent-Configuration.conf

2025-01-30 09:43:03 - Getting OS data...

ERROR: Clase no válida "Win32_OperatingSystem"

2025-01-30 09:43:03 - Windows version:

2025-01-30 09:43:03 - OS Architecture:

2025-01-30 09:43:03 - Total logical processors:

2025-01-30 09:43:03 - Checking .Net Framework version

20
```

#### Solution

Run the following commands:

Stop-Service winmgmt -Force

```
winmgmt /resetrepository
```

Start-Service winmgmt

#### Issue 2 - PowerShell process restriction

Some security solutions do not allow the installation and/or self-update of FlexxAgent to be performed effectively. The installer might return the message:

The process was terminated with errors. A corrupted installation was detected due to external processes. This is usually caused by antivirus activity. Please check your antivirus settings.

#### Solution

Exclude the following files from the device:

C:\Windows\Temp\FlexxibleIT

C:\Windows\Temp\UpdateFlexxAgent.ps1

### Uninstallation of FlexxAgent

Issue - FlexxAgent remains in the service list

FlexxAgent might still appear in the service list even after uninstalling and deleting all files. This would prevent FlexxAgent from being reinstalled.

### Solution

Run the following command in the CMD window as administrator:

sc delete "FlexxAgent service"

Then, restart the device.

## **Supported Parameters**

Parameter	Туре	Caption
proxyAbsoluteUri	[string]	Proxy URL and port.
proxyUser	[string]	User for authenticated proxy.
proxyPass	[string]	Password for authenticated proxy.
proxyPersistConfig	[switch]	If specified, the configuration is persisted in the registry.
configFilePath	[string]	Alternative directory for the FlexxAgent- Configuration.conf file.

Parameter	Туре	Caption
DebugMode	[switch]	When specified, creates a text file in the same folder with the script execution transcription.
RepairAgent	[bool]	Removes the preexisting configuration of FlexxAgent when it is reinstalled on a device.
Help	[switch]	Lists the supported parameters, with type and description.

# **Proxy Configuration**

FlexxAgent supports transparently configured proxies at the system level without configuring. Proxies with and without authentication are also supported. Proxy configuration can be done via the command line or by modifying registry keys that control this configuration.

## Proxy configuration through command line

Installation with parameters: FlexxAgent-Installer.exe -proxyAbsoluteUri
ip.ad.dre.ss:port -proxyPersistConfig:\$True

Where ip.ad.dre.ss:port refers to the IP or DNS plus the proxy port, or including credentials:

```
FlexxAgent-Installer.exe -proxyAbsoluteUri ip.ad.dre.ss:port -proxyUser
ProxyUserName -proxyPass ProxyUserPassword -proxyPersistConfig:$True
```

### () INFO

FlexxAgent may not have access to the proxy applied in its configuration if it is outside the corporate network. To determine its accessibility, FlexxAgent tries to resolve the DNS record and makes a TCP request to the corresponding port. If the proxy is not accessible, it will report it directly (without proxy).

## Configuration through registry keys

Location of the registry keys that store the proxy configuration for FlexxAgent:

Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Flexxible\FlexxAgent\Communica

Registry keys related to the proxy configuration:

- <u>Key Proxy\_URL</u>
- <u>Key Proxy\_User</u>
- <u>Key Proxy\_Pwd</u>

### Key Proxy\_URL

- Key path: HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Flexxible\FlexxAgent\Communications
- Key Name: Proxy\_URL
- Key type: REG\_SZ
- Supported values: the URL and port; for example '<u>http://192.168.1.1:3128</u>' or '<u>https://192.168.1.1:3128</u>'

### Key Proxy\_User

- Key path:
   HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Flexxible\FlexxAgent\Communications
- Key Name: Proxy\_User
- Key type: REG\_SZ
- Supported values: the username to authenticate to the proxy; for example 'Administrator'. It can be bypassed for unauthenticated proxies.

### Key Proxy\_Pwd

- Key path:
   HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Flexxible\FlexxAgent\Communications
- Key Name: Proxy\_Pwd

- Key type: REG\_SZ
- Supported values: The password to authenticate to the proxy. It can be bypassed for unauthenticated proxies. The value of the Proxy\_Pwd key can be set in plain text (not recommended) or base64 encoded and enclosed by «&&&». For example:
   &&&VGhpc0lzTjArQCQzY3VyZVBAJCR3MHJk&&& for the "Proxy\_Pwd" value. In either case, FlexxAgent encrypts the value as soon as FlexxAgent starts or tries to transmit information. You can use a site like <u>https://www.base64encode.org/</u> to create the base64-encoded password string.

### () INFO

Taking into account that FlexxAgent triggers a process at the system level (FlexxAgent.exe) and another at the session level (FlexxAgent Analyzer.exe), and depending on how the proxy acts at one level or the other, it may be necessary to apply different configurations to both processes by defining the Proxy Type. This can be done from the <u>FlexxAgent Settings</u>, in <u>Products</u>.

# Update

FlexxAgent can be updated automatically or manually from Workspaces.

## Auto update

This functionality is controlled with settings that are usually enabled in Workspaces. The path to view or change the configuration of this functionality is Workspaces -> Level 3 -> Settings -> Auto update. Selecting True will allow a new version of FlexxAgent to be detected and sent automatically to all active devices in the organization. This action will leave a Job in Workspaces with all the operation details.

## **Manual Update**

The path to manually update FlexxAgent is Level 1 -> Workspaces -> Operations -> FlexxAgent -> Update to latest version.

#### Workspaces

Custom oper	rations 🔹	My Filters	• Filte	er by tag	Fi	lter by wor	kspace group	!	۵ ۵
		Ģ	<b>S</b>	6 🗊				?	<i>G</i>
Platforms	Machine †	Power state	Last user	Sessions	CPU	% RAM	Uptime	Status	Connection
No data to display									
Count=0									

The different installed versions are in the dropdown option for My filters -> Predefined filters -> FlexxAgent version summary. This will generate a view of all devices grouped by the FlexxAgent version.

Once the update operation is executed, a Job with all the details of the operation will be generated in the corresponding section.

## Logs

FlexxAgent can generate three types of logs:

- Installation and update logs
- FlexxAgent Analyzer logs
- <u>FlexxAgent service logs</u>

These records allow consulting information and diagnosing problems from the installation of FlexxAgent.

### Installation and update logs

Inside the %LOCALAPPDATA%\Flexxible folder, a text log is left containing information about the installation or update process, as well as dependency information and process details.

## FlexxAgent Analyzer logs

FlexxAgent Analyzer logs are stored in the %LOCALAPPDATA%\FAAgent\Logs directory. These can be configured to include or not include information by levels of criticality.

### Change log level for FlexxAgent Analyzer

From Workspaces, it is possible to change the log level for one or more devices through the options available in the Operations button.

Flex	WORKSPACES						• Q	Log O
Level 1 V	Workspace \					o 🛛 -	Operations •	>
Workspaces	General						Power and connection actions	•
Sessions	Name	Summary status On	Power state On	FlexxAgent version 24.5.3.4	FlexxAgent status	FlexxAgent last repor 13/09/2024 12:41:1	Edit Maintenance (Drain mode) Refresh Workspace info	
ermection Lage	Connection	Subnet 192.168.1.0/24	MAC address 98-FC-84-E5-92-F4	Network changed			Force check compliance Force update custom fields Remote administration	
	Sessions 1	Last user	Connected from	Connection time 13/09/2024 1:16	Domain		Remote assistance Machine type	
A. Toffie Storage	Wireless network	Network signal 95 %	Code				Notifications Session Analyzer trace logging	
evel 2 🔸	Description ①					None	Changer properties of the changer of	> >
Level 3 >	Tags					Warning Error Critical	OS Patching	·
	Extended					Trace Debug		

## **FlexxAgent service logs**

FlexxAgent service logs can be consulted in the Application branch, within the Event Viewer of Windows.

🔠 Visor de eventos							_		×
Archivo Acción Ver Ayuda									
🗢 🔿 🙍 🖬									
Visor de eventos (local)	Aplicación Número de	eventos: 28.145			/	Accio	nes		
> 📑 Vistas personalizadas 🗸 👔 Registros de Windows	Nivel	Fecha y hora	Origen	ld. c	del evi 🔤	Aplica	ación		<b>•</b>
Aplicación	Información	29/08/2024 13:37:32	FlexxAgent service	te	· · · · · · · · · · · · · · · · · · ·	🧉 A	brir registro	guardad.	-
🛃 Seguridad	<ol> <li>Información</li> </ol>	29/08/2024 13:37:29	FlexxAgent service	te		🔻 c	Crear vista per	sonaliz	
Instalación	<u> </u>	29/08/2024 13:21:23	Outlook			÷.	mportar vista	person	
😭 Sistema	<ol> <li>Información</li> </ol>	29/08/2024 13:09:07	Security-SPP		11				- 1
Eventos reenviados							aciar registro		
> A Registros de aplicaciones y s Suscripciones	Evento 1001, FlexxAgent	service			×	ΥF	iltrar registro	actual	
Just Suscripciones					[	📄 P	ropiedades		
	General Detalles					в в	luscar		
	The American Social	in the stand strength of the strength of the stand strength of the stand strength of the stand strength of the s	and and			G	Guardar todos	los eve	.
	FlexxAgent service	is up and running. No action re	iquirea.				Adjuntar tarea	a este r	
							-	a este n	<u> </u>
	J					-	/er		·
	Nombre de registro:	Aplicación				a A	Actualizar		
	Origen:	FlexxAgent service	Registrado:	29/08/2024 13:37:3	2	? A	lyuda		•
	ld. del	1001	Categoría de tarea:	Ninguno		Event	o 1001, Flexx	Agent s	•
	Nivel:	Información	Palabras clave:	Clásico	1	🗐 P	propiedades d	e evento	
	Usuario:	No disponible	Equipo:	FedericoZ	1	🙆 A	Adjuntar tarea	a este	
	Código de operación:	Información			1	to d	Copiar		•
	Más información:	Ayuda Registro de eventos			1	G	Guardar event	os selec	.
						Q A	Actualizar		
					-	? A	yuda		• '

# Information obtained from the device

FlexxAgent collects data locally from the device and sends it to the service consoles.

## **General information**

- Name: device name
- Device status: power status of the device. It can be On, Off, or Not reporting.
- Summary Status: if the device status is *Off*, it can indicate whether it is *In Maintenance* or just *Off*. If the device status is *Not Reporting*, it can indicate whether the reason is *Unknown*.
- FlexxAgent Version: version number of FlexxAgent installed on the device
- FlexxAgent Status: Running or Stopped
- Last FlexxAgent report: date and time of the last FlexxAgent report on the device. This date might not be recent if the FlexxAgent service is stopped or the device is off.

• Connection type: indicates whether the device is connected by *Wi-Fi*, *Mobile network*, *Ethernet*, or *Unknown*.

### () INFO

When the connection is made through a wireless LAN network, a message may appear indicating that the device has a 0% signal or that FlexxAgent is not sending reports. This occurs because the Windows location service is disabled on the device. Please check this link to learn how to enable it.

### Connection

Signal 0% - Wireless LAN

- **Network**: device network addressing and public IP for internet access. These networks are created automatically when more than four devices are connected to the same network.
- Subnet: device's network addressing
- MAC Address: unique identifier of the device's network card
- Network changed: date and time of the last network change
- Sessions: number of user sessions established on the device
- Last User: last user connected to the device in domain\account format
- **Connected from**: when the selected device is a VDI or similar, it shows the name of the device from which the virtual device is accessed.
- Connection time: session start date and time
- Domain: domain to which the device belongs
- **Code**: this field lets users identify the workspace with a personal code. This code must be manually filled in individually using the Edit option in the Operations menu of the workspace details.
- OU: organizational unit in the domain where the device's account resides
- **Description**: allows the user to identify the device with a personal description. This field must be assigned manually and individually using the Edit option in the Operations menu of the device details.

## **Extended Info**

- RAM: total amount of RAM available
- Cores: number of processor cores
- IP address: device IP address on the local network
- OS: type of operating system
- Operating system: operating system version
- OS Build: operating system build number
- Uptime: time the device has been running since it was last started or rebooted. If fastboot is enabled, the device is only off when it is restarted.
- Inactive Time: indicates the time elapsed since the last input event was received in the FlexxAgent user session. Displays 0 if the user is effectively using any input device connected to the device.
- Last Windows update: date of the last application of updates on the device
- Last boot duration: boot duration of the last start
- Reboot Pending: shows if the device requires a reboot for updates.
- Windows type: type of Windows operating system: Client or Server
- System Disk: amount of free disk space compared to the total capacity
- **Public IP of ISP**: the ISP is obtained using the public IP. It might not be accurate if connected to a corporate network or using a VPN.
- **Region**: obtained using the public IP. It might not be accurate if connected to a corporate network or using a VPN.
- Broker type: if detected, shows the broker in use.
- Hypervisor: if virtualization is detected, shows the hypervisor in use.
- Delivery Group: for VDIs, shows the delivery group to which the device belongs.
- Subscription / Broker: Microsoft Azure or Citrix service that manages user connections to the device
- Registration Status: indicates the registration status of the virtual device.
- Maintenance Mode: indicates whether the maintenance mode of the virtual device is On or Off.
- Virtual Machine Type: indicates the type of virtual device.

- Session Analyzer: indicates whether or not it is configured to launch Session Analyzer in all the user sessions.
- Session Analyzer version: Session Analyzer version number
- Report group: report group to which the device belongs
- BIOS Manufacturer: name of the device's firmware manufacturer
- BIOS Version: version of the device firmware
- SMBIOS Version: System Management BIOS version of the device
- **BIOS Serial Number**: unique number assigned to the device by its manufacturer. Available only if the manufacturer decided the device needed one.
- Google Chrome Version: Google Chrome build number, if installed.
- Microsoft Edge Version: Microsoft Edge build number, if installed.

## Information in tabs

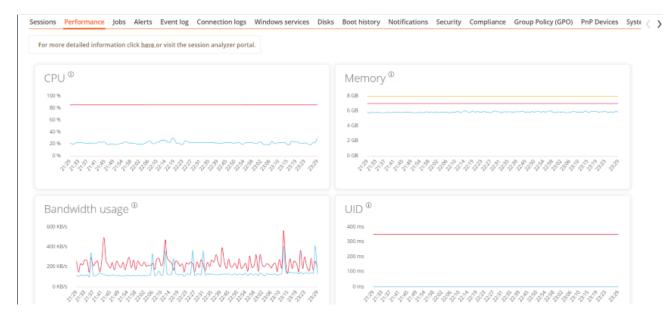
FlexxAgent groups information about the following aspects of the device:

### Sessions

Displays a table with the log of user sessions established on the device and timely information about the session type, connection status, or start date.

### Performance

Displays charts of the main performance counters of the device, based on data collected during the last two hours. The following are included:



- CPU: processor usage percentage
- Memory: amount of memory used and available
- Bandwidth Usage: amount of incoming and outgoing traffic
- UID: user input delay. Refers to the time lapse between the moment a user performs an action, such as clicking a mouse button or pressing a key, and the moment the corresponding response is displayed on the screen or executed.
- **Connection Signal**: signal reception percentage when the device connects via a wireless method.

At the top, a link allows access to the Analyzer module.

### Jobs

All actions performed from the Workspaces module on one or more devices are audited in the Jobs queue. This tab allows you to check the work done for the active device.

Sessions Performance Jobs	Alerts Event log C	onnection logs Windows services Disk	s Boot history Notifications	Security Compliance	Group Policy (GPO) PnP Devices Syste
Info	Status	Creation date $\downarrow$	Start time 👃	End time	Owner
Managanan Tatal Sanadi Managanan Tatal Sanadi Managanan (1)	Completed	25/09/2024 18:29:56	25/09/2024 18:29:56	25/09/2024 18:30:05	
	Completed	19/07/2024 10:38:47	19/07/2024 10:38:47	19/07/2024 10:38:57	
anter anter anter anteres de contra	Completed	19/07/2024 9:30:45	19/07/2024 9:30:45	19/07/2024 9:31:02	
Count=3					
< 1 >					Page size 20 *

#### Alert

Presents a table with the list of all active alerts on the device. When an alert is logged, a notice is displayed at the top of the page.

Active alerts: - [Critical] Low storage free space % for Workspace: Drive: C: Free space: 2 GB, Used Percentage: 98%	
General	

### Event Logs

Information about events present on the device. By default, errors are filtered and only those with severity level *Error* or *Critical* are shown. FlexxAgent obtains this information at 10-minute intervals.

Using the options available in the configuration, you can modify the sampling time or include events by their ID.

#### **Connection log**

Presents a list of the connections established with the device, including each instance where a user logs in or reconnects a previously disconnected session.

Connections	Performance	Logon info	Notifications	Group Policy (GPO)			
						Today	•
Start	Ļ			End	Endpoint		Reconnection
10/10/	2024 14:07:10			11/10/2024 0:07:10			×
Count	-1						

The session end date is recorded only for sessions that have been disconnected or closed. While the session remains active, this field will remain empty.

#### Windows services

This option shows the status of services and executes start, restart, or stop operations for Windows services.

Session	ns Performance Jo	obs Alerts	Event log	Connection logs	Windows services	Disks	Boot history	Notifications	EDR	Compliance	Group Policy (GPO)	PnP
									xport to	• •	Service operation	*
-	Display name †		Status		Startup type		Log	g on as		Ao	Start Service Stop Service	
	Actualizador de zona automática	horaria	Stopped		Disabled		NT	AUTHORITY\Loc	alServio	e	Restart service	
	Administración de apl	licaciones	Stopped		Manual		Loc	calSystem			No	

### Disks

Displays a list of all partitions present on the disks identified in the system, as well as statistics of their capacity and occupancy levels.

Sessions Performance Jo	bs Alerts Event lo	g Connection logs	Windows services	Disks	Boot history	Notifications	Security Compliant	e Group Policy (GPO)	PnP Devices Syste	$\rightarrow$
Device ID ↑	Name †	Volume label	Total size	Used siz	e % Used	OS	Location	Partition	Physical disk size	
			250 MB	0 MB	0 %		Integrated : Bus 0 : Device 14 : Function 0 : Adapter 0 : Port 3 : Target 0 : LUN 0	Disco #0, partición #0	MB	
			1.333 MB	0 MB	0 %		Integrated : Bus 0 : Device 14 : Function 0 : Adapter 0 : Port 3 : Target 0 : LUN 0	Disco #0, partición #2	MB	
			1.438 MB	0 MB	0 %		Integrated : Bus 0 : Device 14 : Function 0 : Adapter 0 : Port 3 : Target 0 : LUN 0	Disco #0, partición #3	MB	

#### **Boot history**

### Displays a graph on the duration of the last ten device boots.



#### Notifications

Allows you to see if the device has any active notification. When there is one, a message is displayed at the top of the page.

Sesiones	Rendimiento	Trabajos /	Alertas	Registro de eventos	Registros de conexiones	Servicios de Windows	Discos	Historial de arranque	Notificaciones	Seguridad	Directiva de g	rupo (GPI	>
								ľ	× *	Active & s	cheduled	•	
Gravedad		Fecha de inic	io	Solicitar aceptación	Mensaje								
Mant	enimiento	17/07/2024 1	6:28:00	~	Se realizarán tareas de ma archivos abiertos, de otra f				s, por favor guaro	da los cambio	s pendientes y (	cierra los	

#### Security

From this section you can check the name of the antivirus installed on the device, as well as its version number, execution status, and a graph of its RAM and CPU usage. The same information will be displayed if FlexxAgent detects CrowdStrike as Endpoint Detection and Response (EDR).

DR ① rowdStrike	CrowdStrike version 6.46.16010.0	CrowdStrike status Installed and working	Antivirus Windows Defender	Antivirus version 4.18.1807.18075	Antivirus status Installed and working
CPU <sup>®</sup>			Memory <sup>®</sup>		
100 %			300 MB		
80 %					$\sim$
60 %			200 MB		
40 %			100 MB		
20 %					
0% 8 <sup>1</sup> 8 <sup>1</sup>		3 & \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0 MB	8 8 8 6 6 6 6 6 6 6 6 6 6 6	8 8 5 5 8 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5

### () INFO

Antivirus detection is automatic only on the Windows Client operating system (Windows 7 or later versions). On Windows Server, only Bitdefender and Windows Defender are detected, and these are the only ones that will show RAM and CPU usage.

### Compliance

Allows viewing the status of the compliance policy configured for the active device. To update this field on demand, click Operations -> Enforce compliance.

Session	Performance	Jobs	Alerts	Event log	Connection logs	Windows services	Disks	Boot history	Notifications	Security	Compliance	Group Policy (GPO)	PnP Devices	Syste	$\rightarrow$
Complian				Last execut 21/07/202		Microservice Compliance	Test								

### Group Policy (GPO)

Displays information about group policies applied on the active device. Allows you to see the names of the policies as well as the check time.

### **PnP Devices**

Shows Plug and Play (PnP) devices that are in an error state, which may be due to hardware failures or incorrect driver or device configuration.

Sessions	Performan	ce Jobs	Alerts	Event log	Connection logs	Windows services	Disks	Boot history	Notifications	Security	Compliance	Group Policy (GPO)	PnP Devices
Device m	anager entri	es with erro	or state										
	last PNP device 24 15:03:44	s update											
												Cope	erations -
□ N	ame \downarrow					Deter	tion date	2				Class	Device ID
G	sco AnyConne	ect Virtual Mi	iniport A	dapter for	Windows x64	27/11	/2023 13	:51:47				Net	ROOT/NET/0000
c	ount=1												
< <u>1</u>	>												Page size 20 *
PnP even	ts												
Ac	tion	Date ↓				User		Caption			(	Device ID	
D PI	ugged in	17/07/2024	16:01:3	37				Generic PnP M	onitor		t	DISPLAY\CTX0466\2&1	23C1CA0&0&UID1
	nplugged	17/07/2024	4 14:40:2	22				Generic PnP M	onitor		(	DISPLAY\CTX0466\2&1	23C1CA0&0&UID1

At the bottom of this view, there is a table that records all events related to PnP devices, generating an entry each time a peripheral is connected or disconnected.

### System Summary

Shows system information for Windows devices. Includes:

Field	Detail
OSVersion	Operating system version number
OtherOSDescription	Additional description of the current operating system version (optional)
OSManufacturer	Nombre del fabricante del sistema operativo. In the case of Windows-based systems, this value is "Microsoft Corporation"
SystemModel	Product name given by a manufacturer to a piece of equipment

Field	Detail
SystemType	System running on the Windows-based equipment
SystemSKU	Stock keeping unit (SKU) product information (optional)
Processor	Name, number of cores, and number of logical processors of the processor
BIOSReleaseDate	BIOS Release Date
EmbeddedControllerVersion	Primary and secondary firmware versions of the embedded controller, separated by "."
BaseBoardManufacturer	Name of the organization responsible for manufacturing the physical device
BaseBoardProduct	Manufacturer-defined part number for the motherboard
BaseBoardVersion	Version of the physical device
PlatformRole	Type of chassis where Unspecified = 0, Desktop = 1, Mobile = 2, Workstation = 3, EnterpriseServer = 4, SOHOServer = 5, AppliancePC = 6, PerformanceServer = 7, MaximumValue = 8
WindowsDirectory	Operating system's Windows directory
SystemDirectory	Operating system's system directory
BootDevice	Name of the disk drive from which the Windows operating system starts

Field	Detail
Locale	Name Identifier of language used by the operating system
TimeZone	Name of the operating system time zone
PageFileSpace	Actual amount of disk space allocated for use as a page file, in megabytes
PageFile	Name of the page file
BIOSMode	Device boot mode (BIOS or UEFI)
SecureBootState	Secure boot mode status (Off, On)

### Reporting groups history

Allows you to see which reporting groups the device belongs to, the date of incorporation, and if it has been assigned to the group manually or automatically.

# **FlexxAgent / Supported Systems / Linux**

The Linux agent allows the inclusion of devices with this operating system in the service consoles, enabling support teams to have complete visibility of all devices in use within the organization.

Linux support includes distributions like Fedora, Debian, and its derivative, Ubuntu. Both physical and virtual devices on VMware as a hypervisor and VDIs published with Citrix as a broker are supported.

Proceso Nombre del proceso	Recenters				Q	=	х	III Process				mas de archivos	Q	= ×	
·		% CPU	ID	is de archives Memoria	Lectura tot	al ( Esci	ritura I		Recurses	% CPU	ID		Lectura total (	Escritura to	
🗇 dm bufio cache	root	0,00	103	N/D	N	VD		dconf-service	cdo-test-fedor	0.00	3696	655,4 kB	32.8 kB	409.6 k	
edac-poller	root	0,00	58	N/D		VD	- 1	dleyna-renderer-service	cdo-test-fedor	0,00	5218	1,7 MB	N/D	N	000
ext4-rsv-conver	root	0,00	657	N/D	N	VD.	- 1	evolution-addressbook-factory	cdo-test-fedor	0,00	2214	3,9 MB	1,7 MB	86,0 k	
firewalld	root	0,00	866	25,0 MB	12,7 N	1B	- 1	evolution-alarm-notify	cdo-test-fedor	0,00	2295	13,9 MB	20,5 kB	N	
flatpak-system-helper	root	0,00	3557	95,7 MB	2,3 N	1B	66,3	evolution-calendar-factory	cdo-test-fedor	0,00	2180	3,9 MB	3,0 MB	N	
<ir><!-- record gent</td--><td>root</td><td>0,08</td><td>904</td><td>44,8 MB</td><td>273,1 N</td><td>1B</td><td>237,6</td><td>evolution-source-registry</td><td>cdo-test-fedor</td><td>0,00</td><td>2137</td><td>8,9 MB</td><td>40,0 MB</td><td>N</td><td></td></ir>	root	0,08	904	44,8 MB	273,1 N	1B	237,6	evolution-source-registry	cdo-test-fedor	0,00	2137	8,9 MB	40,0 MB	N	
fusermount3	root	0,00	2608	N/D	N	/D		C flexxagent-session	cdo-test-fedor	0,42	2530	68,4 MB	7,4 MB	8,2 k	
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📀 fwupd	root	0,00	2665	83,7 MB	6,7 N	1B	11,1	🔷 gjs	cdo-test-fedor	0,00	2397	5,1 MB	N/D	N/	
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📀 gdm-session-wor	root	0,00	1677	2,0 MB	999,4	kВ	4,:	gnome-boxes-search-provider	cdo-test-fedor	0,00	4964	1,2 MB	36,9 kB	N	
💎 gnome-keyring-daemon	root	0,00	4468	917,5 kB	4,1	kВ	16,4		cdo-test-fedor	0,17	4965	5,1 MB	876,5 kB	N	
gnome-system-monitor	root	0,84	4379	14,5 MB	118,8		36,9	gnome-calendar	cdo-test-fedor	0,00	4966	14,0 MB	23,8 MB	N	
💎 gpg-agent	root	0,00	3684	266,2 kB		/D	- 1	gnome-characters	cdo-test-fedor	2,34	4968	82,3 MB	4,7 MB	Ny	
gssproxy	root	0,00	914	782,3 kB	340,0		- 1	gnome-clocks	cdo-test-fedor	4,43	4975	10,6 MB	258,0 kB	N	
📀 gvfsd	root	0,00	4437	655,4 kB		νD	- 1	gnome-contacts-search-provid		0,00	4970	4,6 MB	921,6 kB	N	
📀 gvfsd-fuse	root	0,00	4442	655,4 kB		VD	- 1	or gnome-control-center-search-		0,08	4974	7,7 MB	24,6 kB	N	
hwrng	root	0,00	83	N/D		/D		= gnome-disks	cdo-test-fedor	0,00	5056	6,8 MB	274,4 kB	N	
<pre>oidle_inject/0</pre>	root	0,00	19	N/D		VD		ognome-keyring-daemon	cdo-test-fedor	0,00	1772	1,1 MB	36,9 kB	20,5 k	
<pre>oidle_inject/1</pre>	root	0,00	22	N/D		VD	- 1		cdo-test-fedor	0,00	1938	3,0 MB	200,7 kB	53,2 k	
<pre> dle_inject/2 </pre>	root	0,00	28	N/D		/D	- 1	gnome-session-binary gnome-session-ctl	cdo-test-fedor	0,00	1848	2,1 MB	102,4 kB 8,2 kB	N	
<pre> dle_inject/3 </pre>	root	0,00	34	N/D	N	/D		• gnome-session-cti	cdo-test-fedor	0,00	1933	393,2 kB	8,2 KB	N	
Finalizar proceso							R	Finalizar proceso						Q	1.00
and the second se			<u> </u>		_	-					-	-	1		

FlexxAgent is composed of a process of the same name, which runs at the system level and obtains all device information: its consumption metrics, performance, and all information visible in the consoles related to the device.

FlexxAgent-Session initiates an instance for each user session on the device. It gathers information about the session, such as the applications in use and their consumption, system resource usage by the session, and session delivery times.

Activities	🖅 System Monitor							ago 7-09	25					
. 🍅	E Processes	(T) Resources	© File System		Q =	- 0	×	⊨ Processes (4)	Resources	@ File	Systems	Q	= = (	• •
	Process Name	<ul> <li>User</li> </ul>	% CPU	D	Memory D	lsk read toti	Disk v	6	,					
165	devfreq_wq	root	0,00	82	N/A	N/A			4					
	ecryptfs-kthread	root	0,00	88	N/A	N/A		Process Name 🗸	User	% CPU	ID	Memory	Disk read total	Disk write
	edac-poller	root	0,00	81	N/A	N/A		evolution-addressbook-factor	cdo-test	0,00	1619	3,7 MB	3,5 MB	36,9
	ext4-rsv-conver	root	0,00	226	N/A	N/A		evolution-alarm-notify	cdo-test	0,00	1705	15,3 MB	1,6 MB	
	🖸 flexxagent	root	0,17	2830	94,9 MB	265,0 MB	5'	evolution-calendar-factory	cdo-test	0,00	1576	4,3 MB	5,1 MB	
	fusermount3	root	0,00	1361	N/A	N/A		evolution-source-registry	cdo-test	0,00	1562	3,8 MB	3,8 MB	
0	🖸 gdm3	root	0,00	717	786,4 kB	2,5 MB		👏 firefox	cdo-test	0,05	11865	182,3 MB	202,9 MB	55,5
	gdm-session-wor	root	0,00	1308	1,7 MB	1,3 MB		🖸 flexxagent-session	cdo-test	0,09	2898	89,4 MB	766,0 kB	173,2
	gnome-system-monitor	root	0,08	26532	16,2 MB	8,0 MB		gdm-wayland-session	cdo-test	0,00	1424	393,2 kB	N/A	
	hwrng	root	0,00	98	N/A	N/A		🗈 gjs	cdo-test	0,05	26338	16,7 MB	N/A	
	idle_inject/0	root	0,00	18	N/A	N/A		🖸 gjs	cdo-test	0,00	1645	5,0 MB	N/A	
~	idle_inject/1	root	0,00	21	N/A	N/A		🖸 gjs	cdo-test	0,00	1873	5,4 MB	N/A	
	idle_inject/2	root	0,00	27	N/A	N/A		gnome-calculator-search-provi	cdo-test	0,00	27493	7,1 MB	N/A	
A	idle_inject/3	root	0,00	33	N/A	N/A		2 gnome-calendar	cdo-test	0,00	26838	14,9 MB	1,5 MB	
	idle_inject/4	root	0.00	39	N/A	N/A		* gnome-control-center	cdo-test	0,00	2590	34,9 MB	16,3 MB	
2	idle_inject/5	root	0.00	45	N/A	N/A		gnome-control-center-search-	cdo-test	0,00	27489	6,9 MB	N/A	
	idle_inject/6	root	0.00	51	N/A	N/A		gnome-keyring-daemon	cdo-test	0,00	1341	946,2 kB	430,1 kB	4,1
	idle_inject/7	root	0.00	57	N/A	N/A		gnome-session-binary	cdo-test	0,00	1484	2,8 MB	6,6 MB	4,1
2_	<pre>inet_frag_wq</pre>	root	0,00	63	N/A	N/A		gnome-session-binary	cdo-test	0,00	1427	1,8 MB	2,3 MB	
	Bipv6 addrconf	root	0.00	101	N/A	N/A		I gnome-session-ctl	cdo-test	0,00	1464	393,2 kB	20,5 kB	
	- · · · · ·						_			-1				
	End Process						0	End Process						0
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# **Supported versions**

FlexxAgent supports the following distributions and versions:

- Fedora 37 or later
- Debian/GNU Linux 11 (bullseye) or later
- Ubuntu 22.04, 24.04

More distributions are regularly validated.

To include a distribution in the list of supported distributions, please contact Flexxible.

# Requirements

Before installing, updating all system packages is recommended. The necessary components will be installed, depending on the distribution.

Package dependencies for Fedora and Debian:

- dmidecode
- imvirt
- systemd

# Limitations

Certain functionalities are unavailable for Linux, such as remote assistance, user microservices, flow execution, the collection of plug-and-play peripheral data, and proxy use.

The on-demand execution of microservices from Workspaces supports Bash as a scripting language.

# **Proxy Configuration**

FlexxAgent for Linux supports communication through authenticated and unauthenticated proxies. The proxy information must be provided to Flexxible to include it in the configuration file mentioned in the next point.

Required data:

- For unauthenticated proxy, it will be necessary to provide URL and Port.
- For authenticated proxies, User and Password must be added to the above.

# **Download and installation**

To install FlexxAgent, you must run the installation script using a preset configuration file.

## **Installation Scripts**

Path to download the installation script on Ubuntu/Debian:

```
https://update.workspaces.flexxible.com/agents/FlexxAgent/latest/debian/
x64/flexxagent-install.sh
```

Path to download the installation script on Fedora:

```
https://update.workspaces.flexxible.com/agents/FlexxAgent/latest/fedora/
x64/flexxagent-install.sh
```

FlexxAgent downloads its latest version when the script is executed before installation.

The configuration file is required for the installation. It can be obtained by contacting Flexxible.

## Installation steps

- 1. Download the installer from the URL.
- 2. Grant permissions to the script.

```
sudo chmod +x ./flexxagent-install.sh
```

3. Run the script.

sudo ./flexxagent-install.sh -c [configuration file]

4. Clean the files used.

## Installation script parameters

Parameter	Caption
-v,version <version></version>	Use a specific version, by default latest.
-d,distro <distro></distro>	The script automatically detects the DISTRO in use on the system it is running on. This parameter helps force the FlexxAgent version installation for a specific DISTRO when working with derived or similar distros.
verbose,- Verbose	Displays diagnostic information.
-c,config <conffile></conffile>	Applies the configuration from a configuration file by default, settings.conf.

Parameter	Caption
-o, offline	Installs FlexxAgent from a given package file, instead of downloading it. Please check the <u>Offline installation</u> section for more details.
-?,?,-h, help,-Help	Shows help.

### **Examples**

Install FlexxAgent with the configuration file:

flexxagent-install.sh [-c|--config <path/file.conf>]

Install a specific version of FlexxAgent:

flexxagent-install.sh [-v|--version <VERSION>]

Force the FlexxAgent installation for a specific distribution:

```
flexxagent-install.sh [-d|--distro <DISTRO>]
```

Access the help:

```
flexxagent-install.sh -h|-?|--help
```

# **Offline installation**

Offline installation is available if there is some networking restriction in your environment. To perform an offline installation, please ask your contact at Flexxible how to obtain the package and installer for your distribution.

### Installation packages provided according to the distribution

```
Debian: flexxagent.deb
```

Fedora: flexxagent.rpm

### **Offline installation steps**

- 1. Place the FlexxAgent package file, the configuration file, and the installation script in the same folder.
- 2. Grant permissions to the script:

```
sudo chmod +x ./flexxagent-install.sh
```

3. Run the script with the -o or --offline parameter and indicating the name of the package file to install:

```
sudo ./flexxagent-install.sh -c [archivo de configuración] -o [paquete
de Flexxagent]
```

4. Clean the files used.

## Uninstall

The uninstallation script can be downloaded from

```
https://update.workspaces.flexxible.com/agents/Linux/FlexxAgent/latest/f
lexxagent-uninstall.sh
```

Steps for uninstallation:

- 1. Download the uninstaller from the URL.
- 2. Grant permissions to the script.

```
sudo chmod +x ./flexxagent-uninstall.sh
```

3. Run the script.

```
sudo ./flexxagent-uninstall.sh
```

4. Clean the files used.

## **Uninstallation script parameters**

Parameter	Caption
-d,distro <distro></distro>	The script automatically detects the DISTRO in use on the system it is running on. This parameter helps force the FlexxAgent version uninstallation for a specific DISTRO when working with derived or similar distros.
<pre>-c,cleanup <version></version></pre>	Cleans configurations and logs; default is false.
-?,?,-h, help,-Help	Shows help.

## **Examples**

Uninstall and clean up configurations and logs:

```
flexxagent-uninstall.sh [-c|--cleanup]
```

Force the uninstallation for a DISTRO:

flexxagent-uninstall.sh [-d|--distro <DISTRO>]

Access the help:

```
sudo ./flexxagent-uninstall.sh --help
```

# Update

There are two ways to update FlexxAgent to its latest version:

- From Workspaces, select the device and perform: Operations -> FlexxAgent -> Update to the latest version.
- Re-running the installation script to download and install the latest version.

## Logs

FlexxAgent can generate two types of logs:

- FlexxAgent log (system): located in the /var/log/flexx/ folder
- FlexxAgent Session log (user session): located in the /home/[user]/.config/flexx/logs/ folder

## Information obtained from the device

FlexxAgent collects data locally from the device and sends it to the service consoles.

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## **General information**

- Name: device name
- Device Status: the device's power state, it can be On, Off, or Not reporting.
- FlexxAgent Version: version number of FlexxAgent installed on the device
- FlexxAgent Status: Running or Stopped
- Last FlexxAgent report: date and time of the last FlexxAgent report on the device. This date might not be recent if the FlexxAgent service is stopped or the device is off.
- Connection type: indicates whether the device is connected by *Wi-Fi*, *Mobile network*, *Ethernet*, or *Unknown*.
- **Network**: device network addressing and public IP for internet access. These networks are created automatically when more than four devices are connected to the same network.
- Network signal: reception percentage

- Subnet: device's network addressing
- MAC Address: unique identifier of the device's network card
- Wireless network: network name
- **Connection Signal**: signal reception percentage when the device connects via a wireless method.
- Network changed: date and time of the last network change
- Sessions: number of user sessions on the device
- Last User: last user connected to the device in domain\account format
- **Connected from**: when the selected device is a VDI or similar, it shows the name of the device from which the virtual device is accessed.
- Connection time: session start date and time
- **Code**: this field lets users identify the workspace with a personal code. This code must be manually filled in individually using the Edit option in the Operations menu of the workspace details.
- **Description**: allows the user to identify the device with a personal description. This field must be assigned manually and individually using the Edit option in the Operations menu of the device details.

## **Extended Info**

- RAM: total available RAM capacity
- Cores: number of processor cores
- IP address: device IP address on the local network
- OS: type of operating system
- Operating system: operating system version
- **Region**: obtained using the public IP. It might not be accurate if connected to a corporate network or using a VPN.
- Broker type: if detected, shows the broker in use.
- Delivery Group: for VDIs, shows the delivery group to which the device belongs.
- Subscription: if detected, subscription in use for Citrix Cloud, Azure, etc.
- Hypervisor: if virtualization is detected, shows the hypervisor in use.

- Session Analyzer: indicates whether or not it is configured to launch Session Analyzer in all the user sessions.
- Session Analyzer version: Session Analyzer version number
- Report group: report group to which the device belongs

## Information in tabs

FlexxAgent groups information about the following aspects of the device:

### Sessions

Displays a table with the log of user sessions established on the device and timely information about the session type, connection status, or start date.

### Performance

Displays charts of the main performance counters of the device, based on data collected during the last two hours. The following are included:

- CPU: processor usage percentage
- Memory: amount of memory used and available
- Bandwidth Usage: amount of incoming and outgoing traffic

At the top, a link allows access to the Analyzer module.

### Jobs

All actions performed from the Workspaces module on one or more devices are audited in the Jobs queue. This tab allows you to check the work done for the active device.

### Alert

Presents a table with the list of all active alerts on the device. When an alert is logged, a notice is displayed at the top of the page.

	C Derations • C >
Active alerts: - [Critical] Low storage free space % for Workspace: Drive: C: Free space: 2 GB, Used Percentage: 98%	
General	

### **Connection log**

Presents a list of the connections established with the device, including each instance where a user logs in or reconnects a previously disconnected session.

The session end date is recorded only for sessions that have been disconnected or closed. While the session remains active, this field will remain empty.

### Disks

Displays a list of all partitions present on the disks identified in the system, as well as statistics of their capacity and occupancy levels.

### Notifications

Allows you to see if the device has any active notification. When there is one, a message is displayed at the top of the page.

### **Reporting groups history**

Allows you to see which reporting groups the device belongs to, the date of incorporation, and if it has been assigned to the group manually or automatically.

# FlexxAgent / Supported Systems / macOS

The macOS agent allows Mac devices to be included in the service consoles, enabling support teams to see all devices used within the organization.

Activity Monito All Processes, Hier		θ× c	PU Memory E	nergy Disk Netwo	k Q :	learch				
Process Name	~ % CPU	CPU Time	Threads k	fie Wake-Ups %	GPU	GPU Time	PID	User		
familycircled	0,0	0,12	2	0	0,0	0,00	488	odo-test		
filecoordinationd	0,0	0,04	2	0	0,0	0,00	515	root.		
fileproviderd	0,0	0,45	2	0	0,0	0,00	497	odo-test		
financed	0,0	0,31	2	0	0,0	0,00	572	cdo-test		
V 🍆 Finder	0,0	2,56	3	0	0,0	0,00	605	odo-test		
OuickLookUlService (F	PID 0,0	0,08	3	0	0,0	0,00	609	odo-test		
findmydeviced	0,0	0,08	2	0	0,0	0,00	229	root		
FindMyMacd	0,0	0,01	2	0	0,0	0,00	307	root.		
FlexxAgent.Service	0,3	12,19	25	6	0,0	0,00	308	root		
fmfd	0,0	0,15	2	0	0,0	0,00	508	cdo-test		
followupd	0,0	0,03	2	0	0,0	0,00	676	odo-test		
fontd	0,0	0,22	3	0	0,0	0,00	464	odo-test		
fontworker	0,0	1,09	2	0	0,0	0,00	466	odo-test		
fseventsd	0,0	0,72	8	1	0,0	0,00	91	root.		
gamecontrolleragentd	0,0	0,07	3	0	0,0	0,00	581	odo-test		
gamecontrollerd	0,0	0,10	3	1	0,0	0,00	433	_gamecontrolk		
GSSCred	0,0	0,04	3	0	0,0	0,00	424	root		
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and the second se										

# **Supported versions**

Support for macOS includes version Monterey 12 and later. Regarding architectures, FlexxAgent supports both Intel processors (amd64 architecture) and Apple processors with arm architecture (arm64).

# Limitations

Certain features are not available for macOS, such as remote assistance, the execution of on-demand microservices from Workspaces or user microservices and flows, or the sending of notifications. Due to how the operating system functions, the expected behavior on macOS is that when the device screen is locked, the operating system stops background processes, causing the device to stop reporting information to the consoles or receiving actions until the screen is unlocked or the session is started again.

# **Proxy Configuration**

FlexxAgent for macOS supports communication through both authenticated and unauthenticated proxies. The proxy information must be provided to Flexxible to include it in the configuration file mentioned in the next point.

Required data:

- For unauthenticated proxy, it will be necessary to provide URL and Port.
- For authenticated proxies, User and Password must be added to the above.

# **Download and installation**

To install FlexxAgent, you must run the installation script using a preset configuration file.

## **Installation Scripts**

Path to download the installation script for x64 architecture:

```
https://update.workspaces.flexxible.com/agents/FlexxAgent/latest/macos/x
64/flexxagent-install.sh
```

Path to download the installation script for ARM architecture:

```
https://update.workspaces.flexxible.com/agents/FlexxAgent/latest/macos/a
rm64/flexxagent-install.sh
```

The configuration file is required for the installation. It can be obtained by contacting Flexxible.

### Installation steps

- 1. Download the installer from the URL.
- 2. Grant permissions to the script, open the terminal, and execute:

```
sudo chmod +x ./flexxagent-install.sh
```

3. Run the script.

sudo ./flexxagent-install.sh -c [configuration file]

4. Clean files.

## Installation script parameters

Parameter	Caption
-v,version	Use a specific version, by default, latest.
verbose,- Verbose	Displays diagnostic information.
-c,config <conffile></conffile>	Applies the configuration from a configuration file by default settings.conf.
-o,offline	Installs FlexxAgent from a given package file, instead of downloading it. Please check the <u>Offline installation</u> section for more details.
-?,?,-h, help,-Help	Shows help.

## **Examples**

Install FlexxAgent with the configuration file:

flexxagent-install.sh [-c|--config <path/file.conf>]

Install a specific version of FlexxAgent:

```
flexxagent-install.sh [-v|--version <VERSION>]
```

Access the help:

```
flexxagent-install.sh -h|-?|--help
```

## **Offline installation**

Offline installation is available if there is some networking restriction in your environment. To perform an offline installation, please ask your contact at Flexxible how to obtain the package and installer for your macOS device (ARM or x64).

The package file will be provided in ".pkg" format.

### **Offline installation steps**

- 1. Place the FlexxAgent package file, the configuration file, and the installation script in the same folder.
- 2. Allow the Terminal application to access the disk where the files are located:
- Go to System preferences -> Security and Privacy -> Privacy.
- Select Full disk access.
- Add the Terminal application to the list.
- Close the Terminal application i it was running and open a new one.
- 3. Go to the folder where the FlexxAgent files are located, and grant permissions to the script:

sudo chmod +x ./flexxagent-install.sh

4. Run the script with the -o or --offline parameter:

```
sudo ./flexxagent-install.sh -c [archivo de configuración] -o [paquete
de Flexxagent]
```

5. Clean the files used.

## Uninstall

The uninstallation script can be downloaded from

```
https://update.workspaces.flexxible.com/agents/MacOS/FlexxAgent/latest/f
lexxagent-uninstall.sh
```

Steps for uninstallation:

- 1. Download the uninstaller from the URL.
- 2. Grant permissions to the script.

```
sudo chmod +x ./flexxagent-uninstall.sh
```

3. Run the script.

sudo ./flexxagent-uninstall.sh

## **Uninstallation script parameters**

Parameter	Caption						
-c,cleanup <version></version>	Cleans configurations and logs; default is false.						
-?,?,-h,help,-Help	Shows help.						

## **Examples**

Uninstall and clean up configurations and logs:

```
flexxagent-uninstall.sh [-c|--cleanup]
```

Access the help:

```
sudo ./flexxagent-uninstall.sh --help
```

## Update

The agent can be updated to the latest version in two ways:

- From Workspaces, select the device and perform: Operations -> FlexxAgent -> Update to the latest version.
- Re-running the installation script to download and install the latest version.

## Information obtained from the device

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	1000 HBA				0.5				
	200401 1400 1700		111111111	111	2111	111111111			11

FlexxAgent collects data locally from the device and sends it to the service consoles.

### **General information**

- Name: device name
- Device Status: the device's power state, it can be On, Off, or Not reporting.
- FlexxAgent Version: version number of FlexxAgent installed on the device
- FlexxAgent Status: Running or Stopped
- Last FlexxAgent report: date and time of the last FlexxAgent report on the device. This date might not be recent if the FlexxAgent service is stopped or the device is off.
- Connection type: indicates whether the device is connected by *Wi-Fi*, *Mobile network*, *Ethernet*, or *Unknown*.
- **Network**: device network addressing and public IP for internet access. These networks are created automatically when more than four workspaces are connected to the same network.
- Network signal: reception percentage
- Subnet: device's network addressing
- MAC Address: unique identifier of the device's network card
- Wireless network: network name
- **Connection Signal**: signal reception percentage when the device connects via a wireless method.
- Network changed: date and time of the last network change
- Sessions: number of user sessions on the device
- Last User: last user connected to the device in domain\account format
- **Connected from**: when the selected device is a VDI or similar, it shows the name of the device from which the virtual device is accessed.
- Connection time: session start date and time
- **Code**: this field lets users identify the workspace with a personal code. This code must be manually filled in individually using the Edit option in the Operations menu of the workspace details.
- **Description**: allows the user to identify the device with a personal description. This field must be assigned manually and individually using the Edit option in the Operations menu of the device details.

### **Extended Info**

- RAM: total available RAM capacity
- Cores: number of processor cores
- IP address: device IP address on the local network
- OS: type of operating system
- Operating system: operating system version
- **Region**: obtained using the public IP. It might not be accurate if connected to a corporate network or using a VPN.
- Session Analyzer: indicates whether or not it is configured to launch Session Analyzer in all the user sessions.
- Session Analyzer version: Session Analyzer version number
- **Report group**: report group to which the device belongs

### Information in tabs

FlexxAgent groups information about the following aspects of the device:

#### Sessions

Displays a table with the log of user sessions established on the device and timely information about the session type, connection status, or start date.

#### Performance

Displays charts of the main performance counters of the device, based on data collected during the last two hours. The following are included:

- CPU: processor usage percentage
- Memory: amount of memory used and available
- Bandwidth Usage: amount of incoming and outgoing traffic

At the top, a link allows access to the Analyzer module.

Jobs

All actions performed from the Workspaces module on one or more devices are audited in the Jobs queue. This tab allows you to check the work done for the active device.

#### Alert

Presents a table with the list of all active alerts on the device. When an alert is logged, a notice is displayed at the top of the page.

	C Derations • ( )
Active alerts: - [Critical] Low storage free space % for Workspace: Drive: C: Free space: 2 GB, Used Percentage: 98%	
General	

#### **Connection log**

Presents a list of the connections established with the device, including each instance where a user logs in or reconnects a previously disconnected session.

The session end date is recorded only for sessions that have been disconnected or closed. While the session remains active, this field will remain empty.

#### Disks

Displays a list of all partitions present on the disks identified in the system, as well as statistics of their capacity and occupancy levels.

#### Notifications

Allows you to see if the device has any active notification. When there is one, a message is displayed at the top of the page.

#### **Reporting groups history**

Allows you to see which reporting groups the device belongs to, the date of incorporation, and if it has been assigned to the group manually or automatically.

# FlexxAgent / Supported Systems / ChromeOS

The ChromeOS agent allows the inclusion of devices with this operating system in the service consoles, thus enabling complete visibility for support teams, both desktop and mobile devices of users.

### Requirements

To deploy FlexxAgent on Chrome devices, it is necessary to have a mobile device management (MDM) platform, such as Google Admin, which allows centralized distribution and installation of the application.

Once the MDM solution is configured, FlexxAgent can be installed from Google Play.

# **Supported versions**

FlexxAgent runs on ChromeOS devices version 112 or later. The ChromeOS Flex edition is not supported.

# Limitations

Due to restrictions of this operating system, some functionalities are not available on this type of devices. These include: execution of power actions, remote assistance, flows, user microservices, or execution of microservices from Workspaces.

Some devices, to save battery, stop services or cannot connect to the internet while their screen is locked. When this happens, the device may stop reporting for a while until its screen is unlocked. This behavior varies depending on the manufacturer and the version of the operating system.

## **Download and installation**

FlexxAgent is available as a private Android app on Google Play.

Flexxible will grant access to FlexxAgent in the Managed Google Play console during the onboarding process.

FlexxAgent requires a managed configuration to be deployed. This configuration will be provided in JSON format by a Flexxible contact during the onboarding process.

### Installation

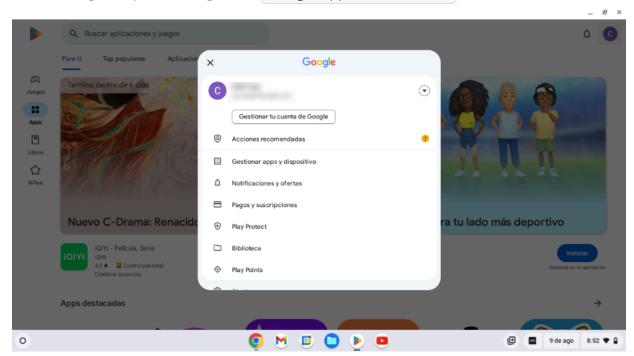
In broad strokes, the procedure is as follows:

- 1. Go to Devices -> Chrome -> Apps and extensions -> Users & browsers and select the organizational unit (OU) in which you want to deploy the app.
- 2. Add the app from Google Play (search for FlexxAgent), assign the managed configuration (JSON), and mark it as Force install.

Please review the MDM documentation on how to deploy Google Play applications for managed users.

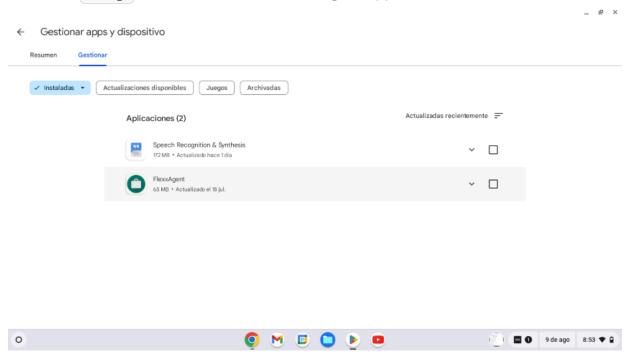
Please review the linked links for more information on <u>registering apps</u> or <u>deploying</u> <u>them</u> to managed users in Google Admin.

To ensure FlexxAgent configuration applies correctly, the app must be manually opened on each device at least once after installation. It is recommended to follow these steps:

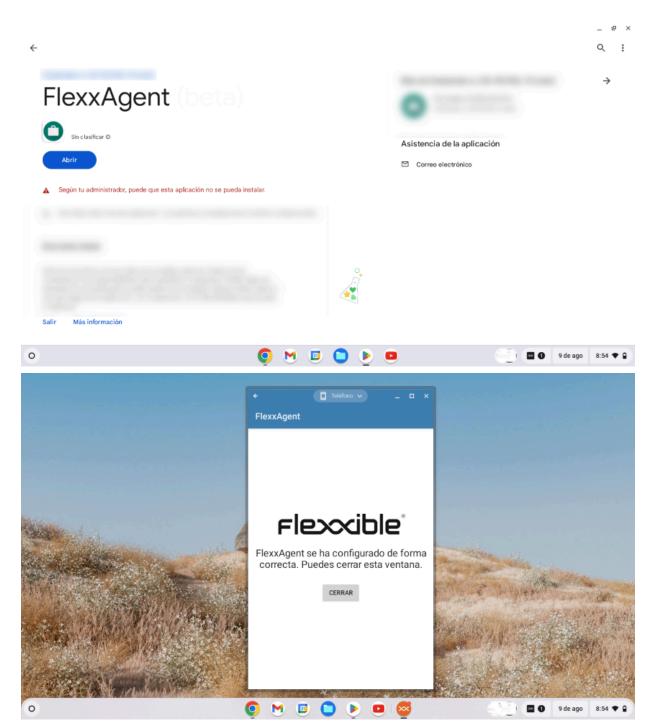


1. Go to Google Play and navigate to Manage apps and devices.

2. Go to the Manage tab and click on the FlexxAgent application.

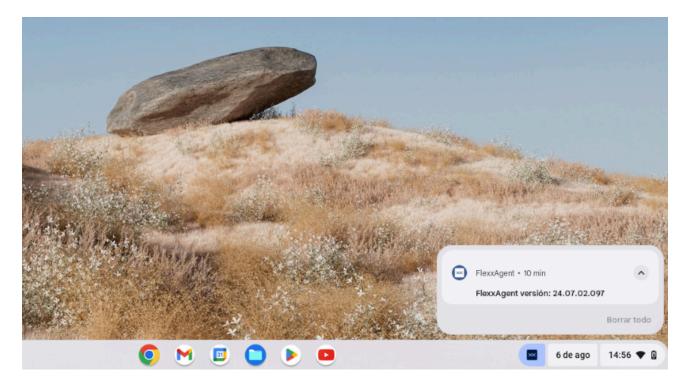


3. On the application's detail screen, click Open. Next, a window will appear confirming that the app has been successfully configured.



4. Close the window.

When running FlexxAgent on a ChromeOS device, the fixed notification indicates that the agent is installed and running.



# Update

FlexxAgent updates automatically from Google Play.

## Information obtained from the device

FlexxAgent collects data locally from the device and sends it to the service consoles.

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Inneral									
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Uptime © 25 On	Panding ration NO								
Systam diak Unknown	Public (P.5.15F (j) 93.176,147.4 (Itora Telecom S.A.)	Region (2) Terradúa (ES)							
Delivery group 🗇									
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Courter1									
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### **General information**

- Name: device name
- Device Status: Device power status Can be On, Off or Unreported.
- FlexxAgent Version: version number of FlexxAgent installed on the device
- FlexxAgent Status: Running or Stopped
- Last FlexxAgent report: date and time of the last FlexxAgent report on the device. This date might not be recent if the FlexxAgent service is stopped or the device is off.
- Connection type: indicates whether the device is connected by *Wi-Fi*, *Mobile network*, *Ethernet*, or *Unknown*.
- **Network**: device network addressing and public IP for internet access. These networks are created automatically when more than four devices are connected to the same network.
- Network signal: reception percentage
- Subnet: device's network addressing

- Network changed: date and time of the last network change
- Sessions: number of user sessions on the device
- Last User: last user connected to the device in domain\account format
- **Connected from**: when the selected device is a VDI or similar, it shows the name of the device from which the virtual device is accessed.
- Connection Time: date and time of session start.
- **Code**: this field lets users identify the workspace with a personal code. This code must be manually filled in individually using the Edit option in the Operations menu of the workspace details.
- **Description**: allows the user to identify the device with a personal description. This field must be assigned manually and individually using the Edit option in the Operations menu of the device details.

### **Extended Info**

- **RAM**: total available RAM capacity
- Cores: number of processor cores
- IP address: device IP address on the local network
- OS: type of operating system
- Operating system: operating system version
- Uptime: time the device has been running since it was last started or rebooted. If fastboot is enabled, the device is only off when it is restarted.
- **Region**: obtained using the public IP. It might not be accurate if connected to a corporate network or using a VPN.
- Session Analyzer: indicates whether or not it is configured to launch Session Analyzer in all the user sessions.
- Session Analyzer version: Session Analyzer version number
- Report group: report group to which the device belongs

### Information in tabs

FlexxAgent groups information about the following aspects of the device:

#### Sessions

Displays a table with the log of user sessions established on the device and timely information about the session type, connection status, or start date.

#### Jobs

All actions performed from the Workspaces module on one or more devices are audited in the Jobs queue. This tab allows you to check the work done for the active device.

#### Alert

Presents a table with the list of all active alerts on the device. When an alert is logged, a notice is displayed at the top of the page.

	G	λ	*	Operations	•	<	$\left \right>$
Active alerts: - [Critical] Low storage free space % for Workspace: Drive: C: Free space: 2 GB, Used Percentage: 98%							
General							

#### **Connection log**

Presents a list of the connections established with the device, including each instance where a user logs in or reconnects a previously disconnected session.

The session end date is recorded only for sessions that have been disconnected or closed. While the session remains active, this field will remain empty.

#### Disks

Displays a list of all partitions present on the disks identified in the system, as well as statistics of their capacity and occupancy levels.

#### Notifications

Allows you to see if the device has any active notification. When there is one, a message is displayed at the top of the page.

#### **Reporting groups history**

Allows you to see which reporting groups the device belongs to, the date of incorporation, and if it has been assigned to the group manually or automatically.

# FlexxAgent / Supported Systems / Android

The Android agent allows the inclusion of devices with this operating system in the service consoles, enabling complete visibility for the support teams for desktop computers and users' mobile devices.

# Requirements

To deploy FlexxAgent on Android devices, you need a mobile device management (MDM) platform, such as Google Admin or Microsoft Intune. These platforms allow centralized distribution and installation of the app.

Once the MDM solution is configured, FlexxAgent can be installed from Google Play.

# **Supported versions**

FlexxAgent runs on Android devices version 9.0 or later.

# Limitations

Due to the restrictions of this operating system, certain functionalities are not available for this type of device, such as the execution of power actions, remote assistance, user microservices, or microservices from Workspaces or flows. These include: execution of power actions, remote assistance, flows, user microservices, or execution of microservices from Workspaces.

Some devices, to save battery, stop services or cannot connect to the internet while their screen is locked. When this happens, the device may stop reporting for a while until its screen is unlocked. This behavior varies depending on the manufacturer and the version of the operating system.

## Settings

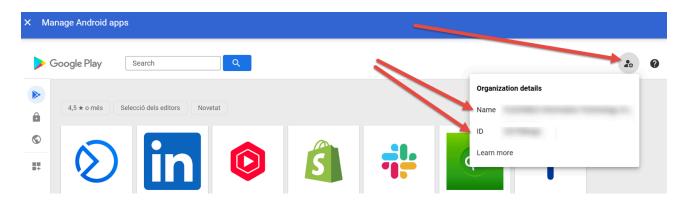
FlexxAgent configuration is managed through <u>Managed Configurations</u> to ensure correct operation.

This configuration will be provided by a Flexxible contact during the implementation process, according to the app distribution solution used. For example, for Microsoft Intune the configuration is provided in JSON format, but for Google Admin the configuration is provided with separate values.

# Distribution

Flexxible will grant access to FlexxAgent in the Managed Google Play console provided by the client's MDM solution during the implementation process, as well as the necessary data for its configuration.

For Flexxible to grant access to the app, the client must provide the *Name* and *ID* of their Managed Google Play.



### **Download and installation**

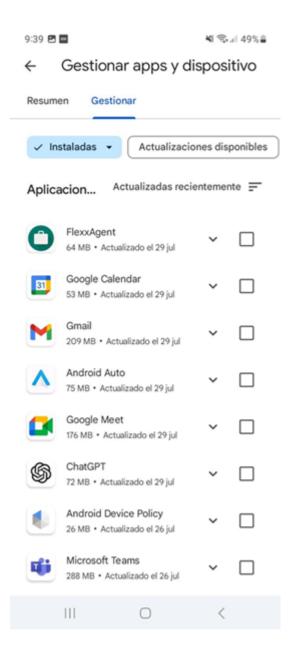
FlexxAgent is available as a private Android app on Google Play.

To ensure FlexxAgent configuration applies correctly, the app must be manually opened on each device at least once after installation. It is recommended to follow these steps:

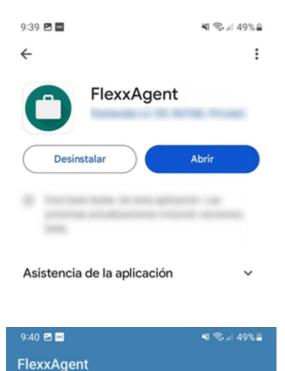
1. Go to Google Play and navigate to Manage apps and devices.

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	۲	Ajustes		
	0	Ayuda y comentarios		
	Politica	a de Privacidad • Términos d	el Servicio	
			<	

2. Go to the Manage tab and click on the FlexxAgent application.



3. On the app detail screen, click Open. Next, a window will appear confirming that the app has been successfully configured.





FlexxAgent se ha configurado de forma correcta. Puedes cerrar esta ventana.

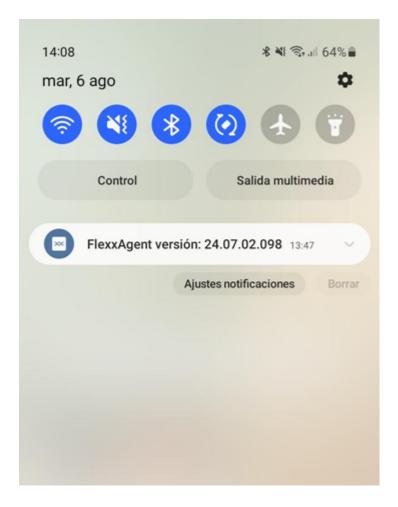
CERRAR

#### () INFO

FlexxAgent requires some special permissions, such as access to device files. If this permission is not granted in the app's configuration in your MDM solution, the user will be prompted to provide it. When they do, a message will appear indicating that the app has been successfully configured.

### 4. Close the window.

When running FlexxAgent on an Android device, the fixed notification indicates that the agent is installed and running.



# Update

FlexxAgent updates automatically from Google Play.

## Information obtained from the device

FlexxAgent collects data locally from the device and sends it to the service consoles.

Flex	CWORKSPACES					All benants	- 🗘 Log Off
Level 1 ~	Workspace \						Operations -
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im Lap	Connection	Network (8) 192.168.1.0/24 (93.176.147.4) 🗷	Subret 192.168.1.0/24	MAC address	Network changed &/9/2024 7:36:59 AM		
	Sessions. 1	Lastucer	Connected fram	Connection time 8/9/2024 7:21 AM			
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	Sessions Performance Jobs Alerts	Connection logs Diaks Boot history	Notifications PnP Devices				
							8 -
	Device ID 1	Nome 1	Volume label	Total size Used size % Used	OS Location	Partition	Physical disk size
	•	/storage/emulated/0	Memoria de dispositivo	137,438 MB 0 MB 0 %	1	Memoria de dispositivo	137,438 MB
	64691						
	5 <u>4</u> 5						Page tize 20 +

### **General information**

- Name: device model
- Device status: power status of the device. It can be On, Off, or Not reporting.
- FlexxAgent Version: version number of FlexxAgent installed on the device
- FlexxAgent Status: Running or Stopped
- Last FlexxAgent report: date and time of the last FlexxAgent report on the device. This date might not be recent if the FlexxAgent service is stopped or the device is off.
- Connection type: indicates whether the device is connected by *Wi-Fi*, *Mobile network*, *Ethernet*, or *Unknown*.
- **Network**: device network addressing and public IP for internet access. These networks are created automatically when more than four devices are connected to the same network.
- Network signal: reception percentage
- Subnet: device's network addressing
- MAC Address: unique identifier of the device's network card
- Network changed: date and time of the last network change

- Sessions: number of user sessions on the device
- Last User: last user connected to the device in domain\account format
- **Connected from**: when the selected device is a VDI or similar, it shows the name of the device from which the virtual device is accessed.
- Connection time: session start date and time
- **Code**: this field lets users identify the workspace with a personal code. This code must be manually filled in individually using the Edit option in the Operations menu of the workspace details.
- **Description**: allows the user to identify the device with a personal description. This field must be assigned manually and individually using the Edit option in the Operations menu of the device details.

### **Extended Info**

- RAM: total amount of RAM available
- Cores: number of processor cores
- IP address: device IP address on the local network
- OS: type of operating system
- Operating system: operating system version
- **Uptime**: time the device has been running since it was last started or rebooted. If fastboot is enabled, the device is only off when it is restarted.
- **Region**: obtained using the public IP. It might not be accurate if connected to a corporate network or using a VPN.
- Session Analyzer: indicates whether or not it is configured to launch Session Analyzer in all the user sessions.
- Session Analyzer version: Session Analyzer version number
- Report group: report group to which the device belongs

### Information in tabs

FlexxAgent groups information about the following aspects of the device:

Sessions

Displays a table with the log of user sessions established on the device and timely information about the session type, connection status, or start date.

#### Jobs

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#### Alert

Presents a table with the list of all active alerts on the device. When an alert is logged, a notice is displayed at the top of the page.

		C	2	•	Operations	•	<	>
	Active alerts: - [Critical] Low storage free space % for Workspace: Drive: C: Free space: 2 GB, Used Percentage: 98%							
0	General							

#### **Connection log**

Presents a list of the connections established with the device, including each instance where a user logs in or reconnects a previously disconnected session.

The session end date is recorded only for sessions that have been disconnected or closed. While the session remains active, this field will remain empty.

#### Disks

Displays a list of all partitions present on the disks identified in the system, as well as statistics of their capacity and occupancy levels.

#### Notifications

Allows you to see if the device has any active notification. When there is one, a message is displayed at the top of the page.

#### **Reporting groups history**

Allows you to see which reporting groups the device belongs to, the date of incorporation, and if it has been assigned to the group manually or automatically.

# FlexxAgent / Network and security considerations

FlexxAgent, in its regular operation, requires a series of network requirements to connect to cloud orchestration services and support proxies, as well as complex network ecosystems.

Before deploying FlexxAgent on the devices, it is recommended to validate that at the network level these can access the defined destinations in URLs and ports.

### **Bandwidth usage**

#### FlexxAgent process

When FlexxAgent starts, it collects and sends an initial report of approximately 75 KB; from that moment, it sends differential reports of approximately 3-4 KB. This process is responsible for executing on-demand or automatic actions on the device. At those moments, the network traffic could increase.

#### FlexxAgent Analyzer process

FlexxAgent Analyzer collects user session information every 15 seconds, such as application consumption, resource usage, and more. And it adds this information into files of approximately 35-50 KB, which are sent to the consoles every 5 minutes, although the time could change in specific functionalities.

In multi-user systems, a single instance of FlexxAgent will run and as many instances of FlexxAgent Analyzer as user sessions the system has.

### **Required URLs and Ports**

In terms of communications, FlexxAgent must be able to contact the orchestration layer of the service hosted on the Internet, which includes:

URL	Ambit	Port	Region	Prc
https://flxsbname\*\*\*.servicebus.windows.net	Agent	443	West Europe	FXXOI Flexx( Flexx[
https://flxiothub\*\*\*.azure-devices.net	Agent	443	West Europe	FXXO Flexx( Flexx[
<u>https://west-eu.agent-</u> <u>api.analyzer.flexxible.com</u>	Agent	443	West Europe	FXXOi Flexx( Flexx[
https://flexxibleglobal.blob.core.windows.net	Agent	443	West Europe	FXXO Flexx( Flexx[
https://api.ipify.org	Agent	443	West Europe	FXXOi Flexx( Flexx[
https://ras.flexxible.com	Agent – Remote Assistance	443	West Europe	FXXO Flexx( Flexx[
https://update.workspaces.flexxible.com	Agent	443	West Europe	FXXOı Flexx( Flexx[
https://agents-weu.one.flexxible.net	Agent	443	West Europe	FXXO
https://agents-weu.flexxible.net	Agent	443	West Europe	Flexx( Flexx[

URL	Ambit	Port	Region	Prc
https://west-eu-01.agent- api.one.analyzer.flexxible.com	Agent	443	West Europe	FXXO

\*\*\* unique identifier provided by Flexxible.

# Security

To ensure a good user experience, in some cases it will be necessary to configure exclusions in the antivirus; however, if not managed properly, these exclusions can pose a security risk.

For this reason, it is advised to periodically scan the files and folders that have been excluded from antivirus scanning. Both Microsoft and Flexxible recommend:

- Use a File Integrity Monitoring (FIM) or Host Intrusion Prevention (HIP) solution to protect the integrity of the elements excluded from real-time analysis.
- If Azure Sentinel is used and Windows Defender is not configured correctly, performance issues may arise. Disable Windows Defender with the following PowerShell command:

Set-MpPreference -DisableIntrusionPreventionSystem \$true -DisableIOAVProtection \$true -DisableRealtimeMonitoring \$true -DisableScriptScanning \$true -EnableControlledFolderAccess Disabled -EnableNetworkProtection AuditMode -Force -MAPSReporting Disabled -SubmitSamplesConsent NeverSend

### Antivirus exclusions

FlexxAgent should be able to function correctly without configuring exceptions, but in more restrictive environments, it might be necessary to set some.

The items to exclude from antivirus analysis are as follows:

#### Folders

- C:\Program Files\Flexxible
- C:\Windows\Temp\FlexxibleIT\

### Compute

- FlexxAgent.exe
- FlexxibleRA.exe
- FlexxibleRemoteAssistance\_XXXX.exe

### Files

- C:\Windows\Temp\FlexxAgentInstallation.log
- C:\Windows\Temp\UpdateFlexxAgent.ps1
- C:\Windows\Temp\FlexxAgentHealthCheck.log

### **Deep SSL Inspection**

For security solutions like Deep SSL Inspection or Trend Micro, the instructions described below should be taken into account to ensure optimal performance of FlexxAgent.

Deep SSL Inspection should be disabled for the following URLs on devices that use it as a security solution:

- https://flxsbname\\*\\*\\*.servicebus.windows.net
- <u>https://flxiothub\\*\\*\\*.azure-devices.net</u>
- https://agents-weu.flexxible.net
- <u>https://ras.flexxible.com</u>

### **PowerShell process restriction**

Some security solutions do not allow the installation and/or self-update of FlexxAgent to be performed effectively, as is the case with Trend Micro.

During the process, the installer may return the message:

The process was terminated with errors. A corrupted installation was detected due to external processes. This is usually caused by antivirus activity. Please check your antivirus settings.

To solve this, Flexxible recommends excluding the following files from the device:

```
C:\Windows\Temp\FlexxibleIT
```

```
C:\Windows\Temp\UpdateFlexxAgent.ps1
```

# Wake on LAN (WoL)

Wake on LAN allows devices to be powered on by sending a Magic Packet that instructs the network card to power on. The following is required in order to use this functionality:

- Compatible network card
- Activate WoL in BIOS/UEFI
- Configure WoL in the operating system
- A Bridge device on the same network as the device to be powered on, with FlexxAgent installed and reporting

Wake on LAN (WoL) normally operates within a local network, and can work between subnets as long as there are no restrictions imposed by firewalls or network devices blocking the Magic Packet transmission. In subnet-segmented environments, networklevel exceptions need to be configured to allow Magic Packet routing between subnets.

### Configure Wake on LAN (WoL) in Windows

To configure the Wake on LAN (WoL) functionality on a device with Windows operating system, follow these steps:

### 1. Check if WoL is On

In the CMD window, execute the following command:

powercfg /devicequery wake\_programmable

2. On WoL

Run the command:

powercfg /deviceenablewake "Realtek PCIe GbE Family Controller"

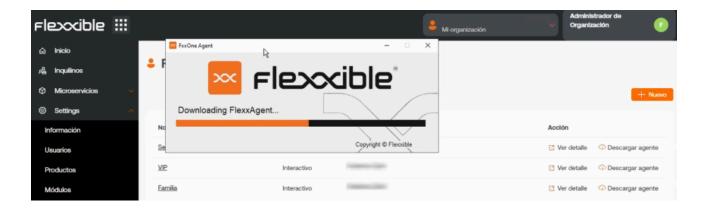
Replace "Realtek PCIe GbE Family Controller" with the name of the corresponding driver.

### **Remote assistance through proxy**

For remote assistance, FlexxAgent will use a proxy when it is configured and accessible.

In case it is configured with a proxy but it is not accessible at that moment, remote support will be launched with the "auto detect" option which will use the internet exit configuration set by the end user.

# FlexxAgent / Guides and tutorials for FlexxAgent



This section offers resources designed to maximize the use of FlexxAgent. It includes detailed instructions on deployment and installation, as well as advanced configuration options that allow FlexxAgent to be tailored to specific needs.

Each guide has been created to facilitate understanding and application, regardless of the user's level of experience. In addition to step-by-step instructions, you will find procedures and solutions to common problems.

# FlexxAgent / Guides and tutorials / Check FlexxAgent connectivity

To validate the connectivity of FlexxAgent with the SaaS service instances and ensure its correct execution, the procedure defined here must be carried out on a test device. This must be part of the same corporate network where the devices that will receive the future deployment of FlexxAgent are hosted.

Note: This procedure only applies to Windows systems.

### **Creating a scheduled task**

1. Access the Run menu (Windows + R) and type the command taskschd.msc. This opens the Windows task scheduler management console.

💷 Ejeci	utar X
0	Escriba el nombre del programa, carpeta, documento o recurso de Internet que desea abrir con Windows.
<u>A</u> brir:	taskschd.msc ~
	Aceptar Cancelar <u>E</u> xaminar

- 2. In the Actions panel, select the Create Basic Task option and name the task (it can be FlexxAgent check connectivity). You can write a description if desired, and click Next.
- 3. Next, select One Time and click Next. A date picker will appear, but it is not relevant because the task will be executed manually. Click Next.

Create Basic Task Wizard				×
迿 Task Trigger	<b>₽</b>			
Create a Basic Task Trigger One Time Action Finish	When do you want the task to start? Daily Weekly Monthly One time When the computer starts When I log on When a specific event is logged			
		< Back	Next >	Cancel

4. Select the Start a program action and click Next.

Create Basic Task Wizard		×
Distance Action		
Create a Basic Task	What action do you want the task to perform?	
Trigger One Time		
Action	Start a program	
Finish	O Send an e-mail (deprecated)	
	<ul> <li>Display a message (deprecated)</li> </ul>	
•		
1		
	< Back Next > Ca	incel

5. In the Program/script field, type or browse to the path C:\Program

Files\Flexxible\FlexxAgent\FlexxAgent.exe. In Additional Arguments, type

/TestMessagingEngine. Click Next.

Create Basic Task Wizard			×	<
5tart a Program				
Create a Basic Task				
Trigger	Program/script:			
One Time	C:\Program Files\Flexxible\FlexxAgent\FlexxAgent.exe	2	Browse	
Action Start a Program	Add arguments (optional):	/TestM	essagingEngine	
Finish	Start in (optional):			
	< B	ack Next	t > Cancel	

6. Select Open the Properties dialog for this task when I click Finish and click Finish. The task properties dialog will open.

Create Basic Task Wizard		×
Summary		
Create a Basic Task		
Trigger	Name:	fh
One Time	Description:	
Action		
Start a Program		
Finish		
	Trigger:	One time; At 1:32 on 28/08/2024
	Action:	Start a program; "C:\Program Files\Flexxible\FlexxAgent\FlexxAgent.exe" /Te
	🗹 Open the	Properties dialog for this task when I click Finish
	When you cl	ick Finish, the new task will be created and added to your Windows schedule.
		< Back Finish Cancel

7. Click on Change User or Group. In the text box of the pop-up window, type SYSTEM and then click Check Names. This action will check that the SYSTEM group exists to run the task under its identity. Hacer clic en Aceptar (OK) para cerrar la ventana emergente. En la ventana de propiedades, se debe seleccionar Ejecutar con los privilegios más altos en el checkbox y pulsar Aceptar.

🕒 fh Propertie	s (Local Computer)						×
General Trigg	gers Actions Condi	ions Settings	History				
Name:	fh						
Location:	١						
Author:	FLEXXIBLE\fzani						
Description:							
- Security opt	Security options						
When running the task, use the following user account:							
NT AUTHORITY\SYSTEM Change User or Group					or Group		
Run only when user is logged on							
Run whether user is logged on or not							
Do not store password. The task will only have access to local computer resources.							
Run with highest privileges							
🗌 Hidden	Configure for:	Windows Vista	™, Windows Server™	2008		~	*
					ОК	Cancel	

8. In the Windows task scheduler management console, search for the newly created task FlexxAgent check connectivity. Right-click on it and select Run. It will appear as Running in the task list.

Task Scheduler		- 🗆 X		
File Action View Help				
Task Scheduler Library     Task Scheduler Library     Task Scheduler Library     Microsoft     Mozilla	Name       Status       Triggers         Image: Adobe Acrobat Update Task       Ready       Multiple triggers defined         Image: Adobe Acrobat Update Task       Ready       Multiple triggers defined         Image: Adobe Acrobat Update Task       Ready       Multiple triggers defined         Image: Adobe Acrobat Update Task       Run       ry day - After triggered         Image: Adobe Acrobat Update Task       End       Igers defined         Image: Adobe Acrobat Update Task       Disable       / day - After triggered,         Image: Adobe Acrobat Update Task       Disable       / day - After triggered,         Image: Adobe Acrobat Update Task       Disable       / day - After triggered,         Image: Adobe Acrobat Update Task       Disable       / day - After triggered,         Image: Adobe Acrobat Update Task       Disable       / day - After triggered,         Image: Adobe Acrobat Update Task       Export       1/05/1992 - After triggered,         Image: Adobe Acrobat Update Task       Properties       Image: Adobe Acrobat Update Task         Image: Adobe Acrobat Update Task       Delete       Dry (disabled)	Actions         Task Scheduler ▲         ③ Create Ba         ● Create Tas         Import Ta         ☑ Display Al         ☑ Enable All         Mew Fold		
	Name: FlexxAgent check connectivity Location:	View		
	Author: FLEXXIBLE\Isanchez Description: description	Selected Item  Run End Disable		
	Security options When running the task, use the following user account:	Export Properties Delete		

9. Select the History tab to see the progress of the task until you see the Task completed event. In case the history is disabled, it can be enabled with the Enable history for all tasks option in the right panel of the console.

### Validation of results

To review the FlexxAgent messaging engine information, access the Event Viewer and check for informational messages with the source service of FlexxAgent Service:

 Access the Run menu (Windows + R) and type eventvwr.msc. This command will open the Windows event viewer. On the left side, select Windows Logs -> Application.

🔶 📶 🔝 📷								
Event Viewer (Local)	Application Number	of events: 24.626						
Custom Views	Level	Date	and Time		Source	Event ID	Task Category	
Application	(1) Information	28/0	8/2024 12:17:36		Security-SPP	16384	None	
Security	Information	28/0	8/2024 12:16:39		Security-SPP	16394	None	
E Setup	<li>Information</li>	28/0	8/2024 12:16:33		FlexxAgent Service	0	None	
🛃 System	Information	28/0	8/2024 12:16:30		FlexxAgent Service	0	None	
Forwarded Events	<li>Information</li>	28/0	3/2024 12:16:29		FlexxAgent Service	0	None	
Applications and Services Lo	Information	28/0	8/2024 12:16:28		FlexxAgent Service	0	None	
Subscriptions	Information	28/0	8/2024 12:15:15		FlexxAgent Service	0	None	
	Event 0, FlexxAgent St	rvice						
	General Details							
	-Primary IoT Hub -Secondary IoT Hu	king messaging service o connection string ok ib connection string ok	onnectivity					
	Log Name:	Application						
	Source:	FlexxAgent Service	Logged:	28/08/2024 12:16:30				
	Event ID:	0	Task Category:	None				
	Level:	Information	Keywords:	Classic				
	User:	N/A	Computer:	LAPLSAN-PC181				
	OpCode:	Info						

2. In the list, search for the FlexxAgent Service event. If there are several, select the one reporting connectivity. This event reports the status of all connections:

#### Event 0, FlexxAgent Service

#### General Details

12:16:23 Start checking messaging service connectivity	
-Primary IoT Hub connection string ok	
-Secondary IoT Hub connection string ok	
-Primary service bus connection string ok	
-Secondary service bus connection string ok	
12:16:30 Messaging service checking finished	

Machine name: LAPLSAN-PC181 Process name: FlexxAgent (24.5.3.1)

# FlexxAgent / Guides and tutorials / Deploy FlexxAgent using Microsoft Intune

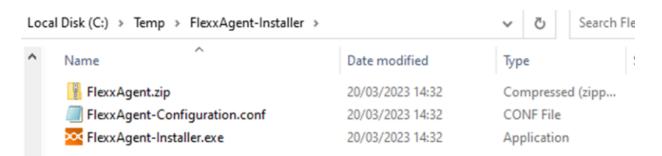
FlexxAgent can be deployed using Microsoft Intune. Before doing it, you need to check that you have the following requirements:

- Microsoft Windows 10 version 1607 or later
- The devices must be enrolled in Intune and added to the active directory in one of the following configurations:
  - Registered in Azure Entra ID (especially in Bring your own device environments)
  - Joined to Azure Entra ID (also known as Joined device)
  - Associated with a hybrid environment (AD / Azure Entra ID)
- The Microsoft Win32 Content Prep Tool is required.

It is recommended to have the 'offline' installation package of FlexxAgent; that way, you will have all the files necessary for installation from Intune itself.

Once you have the installation package and the previous requirements, the procedure to install the agent using Intune is as follows:

1. Unzip the installation package to some folder. You will see the files:



- 2. Download the Microsoft Win32 Prep Tool. For more information, see Prepare a Win32 app to be uploaded to Microsoft Intune.
- 3. Create an empty folder; for example: C:\Temp\FlexxAgent-Installer-output.

4. Create the FlexxAgent installation package (in this example, it was extracted to C:\Temp\FlexxAgent-Installer). And convert it into an Intune package using the IntuneWinAppUtil.exe tool (Microsoft Win32 Content Prep Tool).

🚬 Ac	dministrator: Windows PowerShell	-		×
S C:\	Users\manuelp\Downloads\Microsoft-Win32-Content-Prep-Tool-master> .\IntuneWinAppUtil.exe			
	specify the source folder: C:\Temp\FlexxAgent-Installer			
	specify the setup file: FlexxAgent-Installer.exe			
lease	<pre>specify the output folder: C:\Temp\FlexxAgent-Installer-output</pre>			
	want to specify catalog folder (Y/N)?n			
NFO	Validating parameters			
NFO	Validated parameters within 12 milliseconds			
NFO	Compressing the source folder 'C:\Temp\FlexxAgent-Installer' to 'C:\Users\manuelp\AppData\Local	Temp\5	edb01c5	- 60
	I-9b14-e47afb372dca\IntuneWinPackage\Contents\IntunePackage.intunewin'			
IFO	Calculated size for folder 'C:\Temp\FlexxAgent-Installer' is 42695475 within 3 milliseconds			
NFO	Compressed folder 'C:\Temp\FlexxAgent-Installer' successfully within 2658 milliseconds			
IFO	Checking file type			
NFO NFO	Checked file type within 16 milliseconds Encrypting file 'C:\Users\manuelp\AppData\Local\Temp\5edb01c5-6098-486d-9b14-e47afb372dca\Intune	dif e De el	kanal Ca	
	cncrypting file (C:\Users\manuelp\Appuata\Local\lemp\SedbolcS-0090-4000-9014-e4/arDS/2dca\Intune unePackage.intunewin'	wineac	kage\co	nce
	unerackage_intunewin 'C:\Users\manuelp\ApoData\Local\Temp\5edb01c5-6098-486d-9b14-e47afb372dca\IntuneWinPackage\Conte	ints\Int	tunePac	kae
	ewin' has been encrypted successfully within 345 milliseconds	ines (an	currer de	NOF
IFO	Computing SH4256 hash for C:\Users\manuelp\AppData\Local\Tep>Sedb01c5-6098-486d-9b14-e47afb372c	ica\Inti	uneWinP	ack
	tents\cdcfbe6b-ab51-480a-858b-4d7e2919792b			
IFO	Computed SHA256 hash for 'C:\Users\manuelp\AppData\Local\Temp\Sedb01c5-6098-486d-9b14-e47afb372d	ica\Int	uneWinP	ack
	tents\cdcfbe6b-ab51-480a-858b-4d7e2919792b' within 727 milliseconds			
IFO	Computing SHA256 hash for C:\Users\manuelp\AppData\Local\Temp\Sedb01c5-6098-486d-9b14-e47afb372c	ica\Int	uneWinP	ack
:\Con	vtents\IntunePackage.intunewin			
IFO	Computed SHA256 hash for C:\Users\manuelp\AppData\Local\Temp\5edb01c5-6098-486d-9b14-e47afb372dc	:a\Intu	neWinPa	icka
	ents\IntunePackage.intunewin within 726 milliseconds			
NFO	Copying encrypted file from 'C:\Users\manuelp\AppData\Local\Temp\Sedb01c5-6098-486d-9b14-e47afb3			
	Contents\cdcfbe6b-ab51-480a-858b-4d7e2919792b' to 'C:\Users\manuelp\AppData\Local\Temp\Sedb01c5-6	898-48	6d-9b14	- e4
	dcalIntuneWinPackage\Contents\IntunePackage.intunewin'	e		
NFO	File 'C:\Users\manuelp\AppData\Local\Temp\Sedb01c5-6098-486d-9b14-e47afb372dca\IntuneWinPackage\ intunewin' got updated successfully within 197 milliseconds	Conten	cs/Turn	ner
kage. NFO	Generating detection XML file 'C:\Users\manuelp\AppData\Local\Temp\Sedb01c5-6098-486d-9b14-e47af	b372de	a) Totuo	-
	denerating detection whi file crosers (manuely (apports (cota) (cmp) (seudores - 400-5014-64/an	057200	avrucan	ent
IFO	Generated detection XML file within 71 milliseconds			
	Compressing folder 'C:\Users\manuelp\AppOata\Local\Temp\Sedb01c5-6098-486d-9b14-e47afb372dca\Int	uneWin	Package	• ±
	emp/FlexxAgent-Installer-output/FlexxAgent-Installer.intunewin'			
	Calculated size for folder 'C:\Users\manuelp\AppData\Local\Temp\Sedb01c5-6098-486d-9b14-e47afb37	2dca\I	ntuneWi	nPa
ige'	is 42469690 within 2 milliseconds			
IFO	Compressed folder 'C:\Users\manuelp\AppData\Local\Temp\Sedb01c5-6098-486d-9b14-e47afb372dca\Intu	neWinP	ackage'	su
	lly within 1067 milliseconds			
IFO	Removing temporary files			
IFO	Removed temporary files within 13 milliseconds			
IFO	File 'C:\Temp\FlexxAgent-Installer-output\FlexxAgent-Installer.intunewin' has been generated suc	cessfu	11y	
	199%			
NFO	Done!!!			
5 C:1	Users\manuelp\Downloads\Microsoft-Win32-Content-Prep-Tool-master>			
1				

5. Confirm that the package has been created correctly.

Loca	al Disk (C:) > Temp > FlexxAgent-Installer-output v 💍 Search Fl				FlexxAgent-Insta	
^	Name	Date modified	Тур	e		Size
	FlexxAgent-Installer.intunewin	20/03/2023 14:43	INT	UNEWIN	N File	41.475 KB

- 6. The created package is used to deploy an application within Intune.
- 7. Go to the Intune admin center.
- 8. Select Apps and then All Apps.

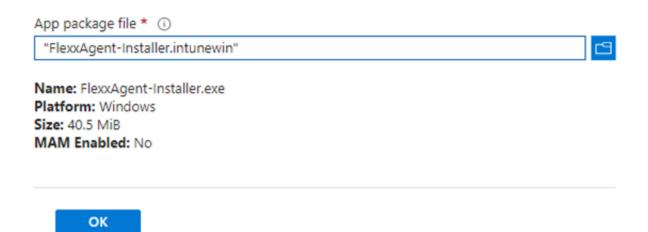
9. Select + Add and choose Windows app (Win32) for the application type.

Select app type ×	
App type Windows app (Win32)	]
Windows app (Win32)	-
Add a custom or in-house Win32-based app. Upload the app's installation file in .intunewin format.	
Learn more about Win32-based apps	
Validate your applications using Test Base for Microsoft 365 Test Base is a cloud validation service that allows you to easily onboard your applications through the Azure portal. You can quickly view deep insights including test results, performance metrics, and crash/hang signals. Through a Microsoft managed environment, you can gain access to world-class intelligence about the performance and reliability of your applications.	J
Get started on Test Base	
Select Cancel	

10. On the application information tab, click Select app package file and browse for the previously created package (in this example, it's in the folder C:\Temp\FlexxAgent-Installer-output).

### App package file

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- 11. On the application information tab, enter the information for FlexxAgent.
  - Name: FlexxAgent-Installer standalone
  - Publisher: Flexxible
  - App version: this information is provided in the properties of the FlexxAgent-Installer.exe file.

~

- 12. On the Program tab, you need to include information about the install command, uninstall command, and other data.
  - Install command: FlexxAgent-Installer.exe

Note: if necessary, you could introduce proxy values in this command.

• Uninstall command:

```
%ProgramFiles%\Flexxible\FlexxAgent\VDIServiceUpdater.exe /uninstall
"C:\Program Files\Flexxible\FlexxAgent\FlexxAgent.exe" /quiet
```

Note: double quotes are mandatory.

- Install behavior: system
- Device restart behavior: no specific action

#### 25.4 / FXXOne Documentation / FXXOne

O App information O Program	③ Requirement	s (4) Detection rules	(5) Dependencies	Super
Specify the commands to install and uninst	all this app:			
install command * ()	FlexxAgent-Installe	r.exe		~
Uninstall command * 🛈	%ProgramFiles%\Fl	lexxible\FlexxAgent\VDIServic	eUpdater.exe /uninstall "C:\	Pro 🗸
Install behavior	System User	$\supset$		
Device restart behavior ①	No specific action			$\sim$
Specify return codes to indicate post-instal	lation behavior:			
Return code		Code type		
0		Success		~ 📋
1707		Success		~ 🗎
3010		Soft reboot		∽ 📋
1641		Hard reboot		∽ 📋
1618		Retry	,	∽ 📋
+ Add				

- 13. On the Requirements tab, you need to include information about the operating system architecture:
  - Operating system architecture: 64-bit

Previous

Next

• Minimum operating system: Select accordingly to the version used in the current installation (device fleet). For example, the minimum: Windows 10 1607.

App information	Program	3 Requirements	(4) Detection rules	5 Dependencies	6 Superseder
Specify the requirements that d	evices must r	meet before the app is i	nstalled:		
Operating system architecture *	•	64-bit			$\sim$
Minimum operating system * (	0 [	Windows 10 1607			$\sim$
Disk space required (MB) 🕕	[				
Physical memory required (MB)	· [				
Minimum number of logical pro required ①	ocessors [				
Minimum CPU speed required (	MHz) 🛈 [				
Configure additional requirement	nt rules				
Туре		Pati	n/Script		
No requirements are specified	l.				
+ Add					

- 14. On the Detection Rules tab, select Manually configure detection rules and click on the link +Add. In the rule you are going to create, fill in the following fields:
  - Rule type: File
  - Path: %ProgramFiles%\Flexxible\FlexxAgent
  - File or folder: FlexxAgent.exe
  - Detection method: File or folder exists
  - Associated with a 32-bit app on 64-bit clients: No

#### **Detection rule**

 $\times$ 

Create a rule that indicates the presence of the app.

Rule type (i)	File 🗸
Path * 🛈	%ProgramFiles%\Flexxible\FlexxAgent
File or folder * 🛈	FlexxAgent.exe
Detection method * (i)	File or folder exists $\checkmark$
Associated with a 32-bit app on 64-bit clients ①	Yes No

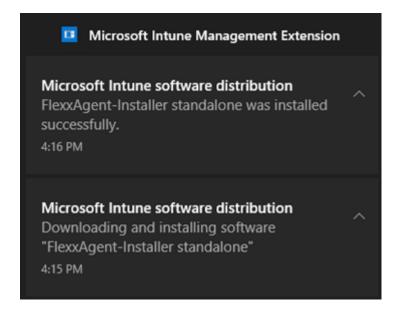
15. On the Assignments tab, create an Azure Entra ID security group containing the devices on which this package is to be installed.

Assignments Revie	ew + save								
Any Win32 app de take explicit action	leployed using intune will not be a on on the device to remove the ap	automatically removed from th sp.	e device when the device is reti	red. The app and the data it	contains will remain on the o	device. If the app is not rem	oved prior to retiring the de	vice, the end user will need t	0
Required ①									
Group mode	Group	Filter mode	Filter	End user notifications	Availability	Installation deadline	Restart grace period	Delivery optimizatio	
Included	AAA-FlexxAgent-Installer	None	None	Show all toast notifications	As soon as possible	As soon as possible	Disabled	Content download in background	
+ Add group 🛈 + Add	all users 🛈 + Add all devices (	0							
Available for enro	olled devices 🕖								
Available for enro	Group	Filter mode	Filter	End user	notifications Availa	bility	Restart grace period	Delivery optimizatio	
		Filter mode	Filter	End user	notifications Availa	bility	Restart grace period	Delivery optimizatio	
Group mode No assignments			Filter	End user	notifications Availa	bility	Restart grace period	Delivery optimizatio	
Group mode No assignments	Group		Filter	End user	notifications Availa	bility	Restart grace period	Delivery optimizatio	
Group mode No assignments + Add group ③ + Add	Group		Filter	End user	notifications Availa Availability	bility Installation deadline	Restart grace period	Delivery optimizatio	
Group mode No assignments + Add group ① + Add Uninstall ①	Group all users () + Add all devices (	0							

16. At this point, make sure to select the appropriate notification for the end user.

	Edit assignment AAA-FlexxAgent-Installer-deploym	ent
ired. The app and the data it contains wi	Assignment settings	Included Excluded
End user notifications Availabi Show all toast As soon notifications	App settings End user notifications Delivery optimization priority	Show all toast notifications
End user notificati		vailable as soon as it has been deployed, unless you specify an this is a required application, you may specify the installation           UTC         Device time zone           As soon as possible         V
	App installation deadline	As soon as possible V

- 17. Click on +Add all devices so that it is deployed on all devices enrolled in Intune.
- 18. Once you click Review+Create, the deployment will begin. You need to allow at least one hour for it to take effect and complete.



# FlexxAgent / Guides and tutorials / Install FlexxAgent configuring proxy

FlexxAgent needs to have internet connectivity. In many organizations, users connect to the internet using a proxy server.

### Example

In the installation of FlexxAgent, the proxy server configuration can be included using the following command line options:

FlexxAgent-Installer.exe -proxyAbsoluteUri <http(s)://ip.ad.dre.ss:port> -

proxyUser ProxyUserName -proxyPass ProxyUserPassword -proxyPersistConfig
-\$True

C:\Users\administrator\Desktop\FlexxAgent-Installer )>FlexxAgent-Installer.exe -proxyAbsoluteUri   -proxyUser -proxyPassproxyPersistConfig -repairAgent true
2024-01-15 10:11:37 - FlexxAgent version: installer
2824-01-15 10:11:37
2024-01-15 10:11:37 - Required free space is 500 MB and current free space is 111320.82421875 MB
2024-01-15 10:11:37 - Path of current execution: .
2024-01-15 10:11:37 - Configuration file path: .\FlexxAgent-Configuration.conf
2024-01-15 10:11:37\FlexxAgent-Installer.exe
2024-01-15 10:11:38 - Preparing temp folder
2024-01-15 10:11:38 - Getting OS data
2024-01-15 10:11:38 - Windows version:
2024-01-15 10:11:38 - Windows OS: Microsoft Windows 10 Enterprise
2024-01-15 10:11:38 - OS Architecture: 64-bit
2024-01-15 10:11:38 - OS language: 1033
2024-01-15 10:11:38 - Portable OS system: False
2024-01-15 10:11:38 - Total memory: 4193272 2024-01-15 10:11:38 - Total logical processors: 2
2024-01-15 10:11:38 - Total logical processors: 2 2024-01-15 10:11:38 - Temporary folder: C:\Windows\Temp\FlexxibleIT
2024-01-15 10:11:38 - Checking , Net Framework version
2024-01-15 10:11:38 - Checking the flamma terms
2024-01-15 10:11:38 - 64-bit
2024-01-15 10:11:38 - Logon server:
2024-01-15 10:11:38 - Attempted to install FlexxAgent version and a constant
2024-01-15 10:11:38 - RepairAgent option is set to true. The current FlexxAgent version will be overwritten.
2024-01-15 10:11:38 - Configuring TLS 1.2 connection
2024-01-15 10:11:38 - FlexxAgent online installation
2024-01-15 10:11:38 - Provided proxy:
2024-01-15 10:11:38 - Downloading file
2024-01-15 10:11:38 - Provided proxy settings:
2024-01-15 10:11:38 - Provided proxy port: 7400
2024-01-15 10:11:38 - Provided proxy authentication: : 2024-01-15 10:11:42 - Configuring FlexxAgent communications
2024-01-15 10:11:42 - Configuring FlexxAgent Communications 2024-01-15 10:11:42 - Configuring FlexxAnalyzer
2024-01-15 10:11:42 - Contiguring riexannaiyzer 2024-01-15 10:11:42 - Uncompressing install package
2024-01-15 10:11:43 - Attempted to install flexAgent version:
2024-01-15 10:11:43 - Package detected version: (
2024-01-15 10:11:43 - FlexxAgent status: uninstalled
2024-01-15 10:11:43 - Installing FlexxAgent
2024-01-15 10:11:43 - MSI file: C:\Windows\Temp\FlexxibleIT\FlexxAgent_Setup.msi
2024-01-15 10:11:43 - Log file installation: C:\Windows\Temp\FlexxibleIT\FlexxAgentInstallation.log
2024-01-15 10:11:43 - Set persistent proxy configuration for FlexxAgent service 'Proxy_URL'
2024-01-15 10:11:43 - Set persistent proxy configuration for FlexxAgent service 'Proxy_User'
2024-01-15 10:11:43 - Set persistent proxy configuration for FlexxAgent service 'Proxy_Pwd'
2024-01-15 10:11:47 - Installation completed.
2024-01-15 10:11:47 - Process completed.
C:\Users\administrator\Desktop\FlexxAgent-Installer >

## **Explanation of the options**

- proxyAboluteUri: the address of the proxy server, expressed as a full "URL"; for example https://192.168.1.1:3128.
- **proxyUser**: the user identifier for authentication on the proxy server; for example Administrator. This parameter is optional if the proxy server does not require authentication.
- **proxyPass**: the password for the above identifier. This parameter is optional when the proxy does not require authentication.

The value can be plain text (not recommended) or base64 encoded, preceded and followed by the string "&&&"; for example &&&VGhpc0lzTjArQCQzY3VyZVBAJCR3MHJk&&&, in any case, FlexxAgent encrypts this value at startup.

For base64 encoding, you can use any generator, such as <u>https://www.base64encode.org/</u>.

### proxyPersistConfig

This parameter must be specified to persist the proxy configuration entered in the other parameters. If not specified, the proxy configuration will only be used in the installation process and will not affect subsequent executions of FlexxAgent.

For Windows operating systems, the proxy configuration data will persist in the registry, within the following keys:

#### Key Proxy\_URL

- Key path:
   HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Flexxible\FlexxAgent\Communications
- Key Name: Proxy\_URL
- Key type: REG\_SZ
- Supported values: the URL and port; for example '<u>http://192.168.1.1:3128</u>' or '<u>https://192.168.1.1:3128</u>'

Key Proxy\_User

- Key path:
   HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Flexxible\FlexxAgent\Communications
- Key Name: Proxy\_User
- Key type: REG\_SZ
- Supported values: the username to authenticate to the proxy; for example 'Administrator'. It can be bypassed for unauthenticated proxies.

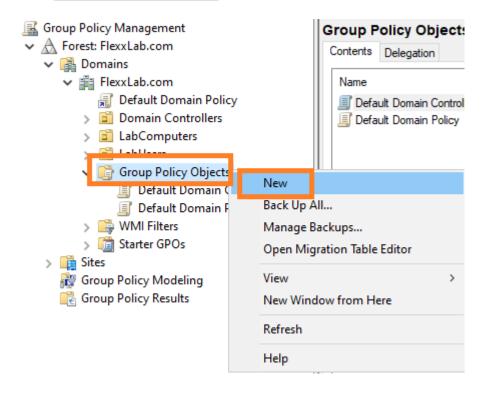
#### Key Proxy\_Pwd

- Key path:
   HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Flexxible\FlexxAgent\Communications
- Key Name: Proxy\_Pwd
- Key type: REG\_SZ
- Accepted values: the password for authenticating to the proxy. It can be bypassed for unauthenticated proxies. The Proxy\_Pwd key value can be set in plain text (not recommended) or base64 encoded and enclosed by «&&&»; for example
   &&&VGhpc01zTjArQCQzY3VyZVBAJCR3MHJk&&& for the "Proxy\_Pwd" value.

# FlexxAgent / Guides and tutorials / Apply proxy configuration via group policies (GPO)

In many cases, the organization's connectivity goes through a proxy; it could be for security, performance, or other reasons. This proxy configuration in FlexxAgent can be done in two ways: using a group policy (GPO) or during the agent installation. To configure the proxy using a group policy, follow these steps:

1. Access the domain controller's group policy management console. Create a new policy using the New option from the menu that appears when you right-click on Group Policy Objects.



- 2. Give the new policy an appropriate name and click the OK button.
- 3. Select the policy with the right mouse button and edit it (select Edit...)
- 4. In the edit window, expand Computer Configuration, Preferences, and Windows Settings. Select Registry and then New -> Registry Item.

Computer - Configure ElexxAge Computer Configuration Policies	💣 Registry				
<ul> <li>Preferences</li> <li>Windows Settings</li> </ul>		Name	Order	Action	Hive
S Environment	Processing 🎗		There are no items t	to show in th	is view.
💕 Folders		<u>N</u> e	w >	Regist	ry Item
🔐 Registry		All	Tas <u>k</u> s >	Collec	tion Item
Network shares		Pas	te	Regist	ry Wizard

5. Add the following information and click OK.

- Action: Update
- Key path:

HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Flexxible\FlexxAgent\Communications

- Value Name: Proxy\_URL
- Value type: REG\_SZ
- Value data: the proxy's address (URL) and port number. For example https://192.168.1.1:3128.

New Reg	istry Prope	rties			×
General	Common				
Š	Action:	Update			~
<u>H</u> ive:		HKEY_LC	DCAL_MACHINE	E	~
<u>K</u> ey Pat	h:	olicies	Flexxible \Flexx	Agent\Communica	tions
-Value	name				
D	e <u>f</u> ault	Proxy_L	JRL		
<u>V</u> alue ty	pe:	REG_SZ			~
Va <u>l</u> ue da	ata:	http://1	92.168.1.1:31	28	
	0	к 📕	Cancel	<u>A</u> pply	Help

6. In the right panel, add a new registry entry again with the right mouse button, selecting New -> Registry Item.

Name Pro	e ^ xy_URL	Order 1	Action Update	Hive HKEY_LOCAL_MACHINE
	New	>	Regis	try Item
	All Tasks	>	Colle	ction Item
	Refresh		Regis	try Wizard
	Export List			
	View	>		
	Arrange Icons Line up Icons	>		
	Help			

7. Add the following information and click OK.

- Action: Update
- Key path:

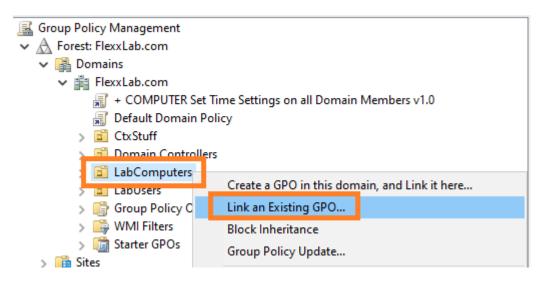
HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Flexxible\FlexxAgent\Communications

- Value Name: Proxy\_User
- Value type: REG\_SZ
- Value data: the username to authenticate to the proxy server. For example Admin.
- 8. In the right panel, add a new registry entry again with the right mouse button, selecting New -> Registry Item.
- 9. Add the following information and click OK.
- Action: Update
- Key path:
   HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Flexxible\FlexxAgent\Communications
- Value Name: Proxy\_Pwd
- Value type: REG\_SZ
- Value data: the password for authenticating to the proxy server, corresponding to the user configured in the previous step.

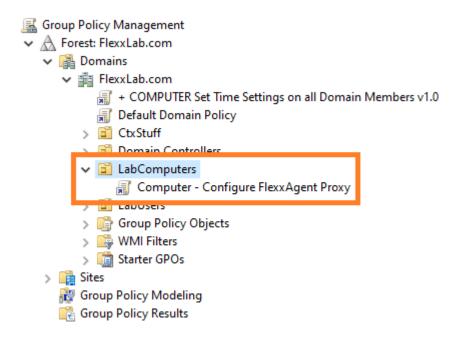
- The Proxy\_Pwd key value can be filled in plaintext (not recommended) or encoded in base64 by putting the string &&& before and after it. Example:
   &&&VGhpc0lzTjArQCQzY3VyZVBAJCR3MHJk&&&.
- In any case, FlexxAgent encrypts the value of this field at startup.
- To encode the password in base64, you can use a web service like <a href="https://www.base64encode.org/">https://www.base64encode.org/</a>.
- 10. Three registry entries will have been created in the group policy.



- 11. Close the editor.
- 12. With the right mouse button, select the list of devices that will receive this configuration within the domain controller (under the domain or organizational unit) and select Link an Existing GPO.



- 13. Select the previously created group policy.
- 14. The policy is linked to the devices selected in the domain controller.



15. **Optional step**: if you want to verify on a computer that the group policy has been applied correctly, you need to restart the computer. Once it starts, you can go to the registry editor and check that the entries were created correctly.

📫 Registry Edit	or			
	v F <u>a</u> vorites <u>H</u> elp			
Computer\HKEY	LOCAL_MACHINE\SO	TWARE\Policies\Flexxible	FlexxAgent\Communic	ations
Computer	COLO DO OT	Name	Туре	Data
	SSES_ROOT	ab (Default)	REG_SZ	(value not set)
_	CAL_MACHINE	<u>at</u>		
BCD000	-	ab.		
DRIVER		at		
> HARDV	VARE	at		
> SAM		at		
📙 SECURI	TY	ab		
V SOFTW	ARE	at		
> Clas		(heartbeat	REG_SZ	2023-02-21 15:44:39
> Clier			050.07	
	M sultUserEnvironment	ab Proxy_Pwd	REG_SZ	&&&VGhpc0IzTjArQCQzV3VyZVBAJCR3MHJk&&& Administrator
	xible	ab Proxy_User	REG_SZ	
> Goo		ab Proxy_UTL	REG_SZ	http://192.168.1.1:3128
> Intel	-	ah	REG 32	00
	rosoft	at		
> Moz	illa	~		
> ODB	ic			
> 🔤 Ope	nSSH			
> 🔤 Parti	ner			
V 🔤 Polic				
~ <mark>.</mark> F	lexxible			
Y .	FlexxAgent			
~	Communications			

# FlexxAgent / Guides and tutorials / Deployment of FlexxAgent with Group Policy (GPO)

FlexxAgent can be deployed using group policies in Windows (GPOs). You need access to the agent installation package, which can be downloaded from the Flexxible portal.

## Deploying

1. Create a Powershell script called Install.ps1 with the following content:

Start-Process Path to the file\FlexxAgent-Installer.exe

Example: Start-Process C:\Temp\FlexxAgent-Installer\FlexxAgent-Installer.exe

Note: Make sure that, apart from the executable, the line includes the necessary installation parameters, such as the proxy, if needed.

- 2. Save the file for later use.
- 3. Run the group policy management console in a domain controller that has remote computer management tools installed.
- 4. Create a new group policy within the group policy container.

Group Policy Management Composition AzureLabDomain.com Composition AzureLabDomain.com Compo	
E + COMPUTER	New
🛒 + SERVER Set P	Back Up All
🗐 + SERVER Set T	Manage Backups rs
🧾 Default Domai	Open Migration Table Editor
📑 Default Domai	View >
> 🕞 WMI Filters > 🧊 Starter GPOs	New Window from Here
> 📑 Sites	New Window from Here
Group Policy Modeling	Refresh
Group Policy Results	Help

- 5. Give the new policy a name. Choose one that is meaningful.
- 6. Right-click on the group policy and select Edit.
- 7. Expand the tree Computer Configuration -> Windows Settings and select Scripts
   (Startup/Shutdown)

Computer Startup Script - Install the Flexxible FlexxAgent [.	Scripts (Startup/Shutdown)	
Computer Configuration     Policies	Startup	Name
<ul> <li>Software Settings</li> <li>Windows Settings</li> </ul>	Display <u>Properties</u>	Startup
Name Resolution Policy	Description:	(
Scripts (Startup/Shutdown)	Contains computer startup scripts.	
> Dolicy-based QoS		

- 8. A dialog will appear in a new window. Select PowerShell Scripts in it. Next, click on
  - the Show Files... button

Startup Properties		?	' ×				
Script: PowerShell S	cripts						
	vs PowerShell Startup Scripts for Co Install the Flexxible FlexxAgent	omputer St	artup				
Name	Parameters		<u>U</u> p )o <u>w</u> n				
			<u>d</u> d				
<u>F</u> or this GPO, run scr	ipts in the following order:	<u>R</u> e	emove				
Not configured	•	$\sim$					
PowerShell scripts require at least Windows 7 or Windows Server 2008 R2							
		<u>S</u> how Files					
	OK Cance	el	Apply				

9. The network folder where the scripts for the group policy are stored will open.



10. Copy the file Install.ps1 that was created at the beginning and paste it into the network folder for storing Group Policy scripts.

📙   🛃 📙 🖛   Startup							
File Home Share	View						
← → × ↑ 🕞 > Network > AzureLabDomain.com > SysVol > AzureLabDomain.com > Policies > {146D2D							
A Quick access	Name	Date modified	Туре	Size			
Desktop	📓 Install.ps1	2/11/2024 9:06 AM	Windows PowerShell Script	1 KB			

- 11. You can now close the Windows Explorer window that accessed the folder with the group policy scripts.
- 12. The startup script properties modal window will be visible again. Click on the Add... button.
- 13. A file selection dialog will appear. Find the script to use by clicking on the Browse... button.
- 14. The previous path will open, where the file created at the beginning of the procedure will be. Double-click on it or select it and click the Open button.
- 15. Once the file is selected, select 0k to close the dialog. The file will appear in the configuration modal window.
- 16. Select OK to close this window. You'll return to the group policy editor. This window can be closed.
- 17. Find the organizational unit branch, within the domain controller where the computers for FlexxAgent installation are located. Select the branch and right-click on it. Select Link an Existing GPO.

K Group Policy Management Comput A Forest: AzureLabDomain.com Linked Gr 🗸 🔛 Domains AzureLabDomain.com # COMPUTER Set Time Settings on all Domain Members v1.0  $\ge$ E Default Domain Policy  $\land$ Domain Controllers 道 Computers Create a GPO in this domain, and Link it here... > 🗉 Groups Link an Existing GPO... > 🖬 Users > Coup Policy O Block Inheritance > 📑 WMI Filters Group Policy Update ... 🔪 🛗 Starter GPOs

18. A selection dialog will appear where the previously created policy will be selected. Once selected, click OK.

## Verification

To validate the installation of FlexxAgent within a domain machine, restart a machine in the domain for the group policy to take effect. After the restart, access the application event

log and you will see several events generated during the installation and initial run of FlexxAgent, including:

🛃 Event Properties -	Event 11707, Msilnstaller			×
General Details Product: FlexxAge	nt Installation completed s	uccessfully.		
Log Na <u>m</u> e:	Application			•
Source:	Msilnstaller	Logge <u>d</u> :	2/12/2024 2:22:33 PM	•
Event ID:	11707	Task Category:	None	
Level:	Information	Keywords:	Classic	
User:	SYSTEM	Compute <u>r</u> :	W10-22H2-SU-0.AzureLabDomain	
OpCode:	Info			
More Information:	Event Log Online Help			
Сору				<u>C</u> lose

After a few minutes, you will see the new device registered in the Workspaces module and in the Workspaces view of the Portal.

Workspace \ W10-22H2-5U-0										
								£	Operations	*
General										
		Savenary status On	Pawer state On		RecoAgent version 23.6.0.1		Recongent status			
	aet user AZURELABDOMAIN/flexoadmin	Connected from	Connection t	ine						
OU DU-Computers.DU-Lab,DC-AzureLabDomain,DC+co	m									
Tep										
Extended										
RAM 8 GB	Cares 2	Lacal disk (C) 96.9 GB free of 126.5 GB (23% used)		Paddress 172.16.2.8		Windows edition Microsoft Windows 10 En	terprise 22H2	Windows Type Client (Workstation)		
Upsime 19m	Idle time © Hours	Last windows update 1/29/2024		Last boot duration (i) 107.5						
Resource group Arung_Lab_RG	Sze Standard_D2s_v3	Hest pool HP-W10-22H2-SU-D 🗹		Sealon host type Personal						
Broker type 🧭 Azure Virtual Desktop	Hypervisor A Microsoft Azure	Farm Default subscription		Subscription/Breker Default subscription						
Session analyser Not Configured	Secclus analyzer version									
BIOS Manufacturer American Megatrends Inc.	BIOS Warsien VRTUAL - 12001807	SMBIDS Version 0000-0017-6556-7696-1719-2723-94		BIOS Seriel Number 0000-0017-6556-7696-1719-272	3.94					

The installation log can be seen in detail in the file

C:\Windows\Temp\FlexxAgentInstallation.log.

FlexxAgentinstallation.log - Notepad			_		×
ile <u>E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp					
024-02-12 14:19:54 - FlexxAgent version: installer					
124-02-12 14:19:55					
024-02-12 14:19:59 - Required free space is 500 MB and current free space is 9966					
24-02-12 14:19:59 - Path of current execution: \\azurelabdc\Software\FlexxAgent-					
24-02-12 14:19:59 - Configuration file path: \\azurelabdc\Software\FlexxAgent-In		lexxAgent-Conf.	igurat	ion.co	onf
24-02-12 14:19:59 - \\azurelabdc\Software\FlexxAgent-Installer\FlexxAgent-Instal	ler.exe				
024-02-12 14:19:59 - Preparing temp folder					
24-02-12 14:19:59 - Getting OS data					
24-02-12 14:20:00 - Windows version: 10.0.19045					
024-02-12 14:20:00 - Windows OS: Microsoft Windows 10 Enterprise					
024-02-12 14:20:00 - OS Architecture: 64-bit					
024-02-12 14:20:00 - OS language: 1033 024-02-12 14:20:00 - Portable OS system: False					
024-02-12 14:20:00 - Total memory: 8388148					
124-02-12 14:20:00 - Total logical processors: 2					
124-02-12 14:20:00 - Temporary folder: C:\Windows\Temp\FlexxibleIT					
124-02-12 14:20:00 - Checking .Net Framework version					
124-02-12 14:20:01 - Checking OS architecture					
24-02-12 14:20:01 - 64-bit					
24-02-12 14:20:01 - Logon server:					
24-02-12 14:20:01 - Detecting if FlexxAgent is already installed					
24-02-12 14:20:02 - FlexxAgent is not installed					
24-02-12 14:20:02 - Configuring TLS 1.2 connection					
24-02-12 14:20:03 - FlexxAgent online installation					
24-02-12 14:20:03 - Downloading file					
24-02-12 14:22:06 - Configuring FlexxAgent communications					
24-02-12 14:22:07 - Provided proxy configuration is not persistent for FlexxAgen	t service				
24-02-12 14:22:07 - Configuring FlexxAnalyzer					
24-02-12 14:22:07 - Uncompressing install package					
24-02-12 14:22:15 - Attempted to install FlexxAgent version: 023.006.000.001					
24-02-12 14:22:15 - Package detected version: 023.006.000.001					
24-02-12 14:22:15 - FlexxAgent status: uninstalled					
24-02-12 14:22:15 - Installing FlexxAgent					
24-02-12 14:22:15 - MSI file: C:\Windows\Temp\FlexxibleIT\FlexxAgent_Setup.msi					
24-02-12 14:22:15 - Log file installation: C:\Windows\Temp\FlexxibleIT\FlexxAgen	tInstalla	tion.log			
24-02-12 14:22:36 - Installation completed.					
24-02-12 14:22:36 - Process completed.					
Ln 38, Col 1	100%	Windows (CRLF)	UTF-8	8	-
Ch 30, C011	100/8	transforms (centry)	0.11-1		

# Analyzer

Analyzer is a comprehensive solution for managing digital experience (DeX), responsible for collecting analytical data from devices and evaluating application performance.

FIEXCAN	ALYZER			¢ <b>0</b> ♥ »	lestern Europe
Care and a second secon	APP CATALOG & INVENTORY	diagnosis (Q	GREEN IT	USER EXPERIENCE	WORKSPACES
	Show less (6) APP GROUPS	APPS VERSION	POLLS	USERS	^ USERS GROUPS
				80	
				G.	
FlexxAna	lyzer 2024				

### **Included tools**

With Analyzer, you can have a series of tools that allow you to perform a thorough analysis of user experience, both individually and organizationally.

It also collects information about paper printing and the organization's carbon footprint, as well as cataloging and inventorying installed applications.

It allows conducting surveys to obtain a subjective evaluation of users' perception, as well as detailed diagnostics of resources consumed per user session or per application in each session.

Tools included in Analyzer:

• App Catalog & Inventory: offers an inventory of applications and their versions in the organization.

- Diagnosis: enables a diagnostic view and allows viewing the usage details of resources and applications by devices in configurable time slots.
- Green IT: allows evaluating the carbon footprint generated by printing and the electrical consumption of devices and their peripherals.
- User experience: helps detect and resolve issues by analyzing device performance and user sentiment.
- Workspaces: offers an inventory view of devices and collects information on detected issues.
- App Groups: allows creating groups of applications for joint analysis.
- Apps version: offers a condensed view of the most versioned applications in a given time period.
- Polls: allows configuring the sending of surveys to capture user sentiment and use this data to build the experience index (UXI).
- Users: contains information on detected users and details the applications and devices used historically for each of them.
- User Groups: allows creating groups of users.

## Web Interface

#### **List Views**

List views allow filtering and selecting items in the different options of the module.

Results will appear in a list format, where you can make use of filters or navigate between different result pages.

Name 🛧	Unique Identifier	05	Workspaces	Users	Versions	Last Report	Discovered Date	Category	App Groups	Avg RAM	Max RAM
AnyDesk	anydeskolient_usr_7.0.14_inc_	Windows	1 (0%)	1 (1%)	1	2024-01-08	2024-01-08	NonCategor_		176 MB	277 M
Anydesk.exe	anydesk.exe	Windows	21 (8%)	20(12%)	2	2024-02-16	2022-12-02	Teol	Departmental, Pro	104 MB	560 M I
Apache HTTP Server	http:/.exe	Windows	1 (0%)	1 (1%)	1	2024-01-05	2024-01-05	NonCategor_		57 MB	81 M
Apps20igital Agent (deprecated)	a2dagent.exe	Windows	2 (1%)	2 (196)	1	2024-02-16	2022-07-11	Teol	Departmental, Pro	35 MB	57 Mi
😝 Audacity	audacity exe	Windows	1 (0%)	1 (1%)	2	2024-02-17	2023-01-28	NonCategor		106 MB	210 MI
een Autoplay	autoplay.exe	Windows	1 (0%)	1 (196)	1	2024-02-20	2024-02-20	NonCategor		4 MB	4.04
Azure AD dsregcmd	dsregcmd.exe	Windows	1 (0%)	1 (1%)	1	2024-01-10	2022-09-13	Teol	Low Used, Produc	1 MB	1.04
Babel Obfuscator	babeloin.cos	Windows	1 (0%)	2 (1%)	1	2024-02-12	2023-02-10	NonCategor		94 MB	121 MI
Biometric Enrollment Host	bioenroilmenthost.exe	Windows	1 (0%)	1 (1%)	1	2024-02-20	2024-02-20	NonCategor		12 MB	12 M
🞯 Brave Browner	brave.ace	Windows	7 (2%)	6 (4%)	4	2024-02-21	2022-12-20	Commercial	Departmental	877 MB	5.36 GI

#### **Detail Views**

When an item is selected from the list view, you access the detail view, which allows consulting data of the selected item in more depth.

Flex	×ANALYZER				¢9	Vestern Europe		١Ì
्रि Horse	Sack to Previous Page							
	APP CATALOG & INVENTORY / APP DET	AILS						
Sectory:	🐌 Microsoft PowerPoint							8
C RecoAnalyzer Users	Product Name	Category		Exe File		os Windows		- 1
(?) Help	Microsoft PowerPoint	Commercial	•	powerpnt.exe		windows		1
rança	App Groups			Product Owners				
	1 Necessary & Productivity	~		>				
				~~				
	Versions History						~	1
	Workspaces History						~	
	Users History						~	
	Usage History Last 60 Days						~	
	Workspaces Without Usage In The Las	t 30 Days					^	

#### **Search options**

From any of the list views, you can access search options that allow locating a record within all results offered in the list.



#### **Column filter**

List views contain a series of filters with several logical operators (also known as boolean operators) that allow comparing values, depending on the information shown in the column.

Avg GPU		
O %	O %	
O %	0 %	
0 %	0 %	Max GPU
0 %	0 %	Equals
0 %	0 %	Not equal
0 %	0 %	9 Less than Less than or equals
0 %	0 %	<sup>9</sup> Greater than
1 %	52 %	9 Greater than or equals

Logical operators that can be operated with:

Condition	Caption
Equal to	The condition for filtering results must be equal to the value stated.
Not equal to	The condition for filtering results must be different from the value stated.
Greater than	The condition for filtering results must be greater than the value stated.
Less than	The condition for filtering results must be less than the value stated.
Greater or equal to	The condition for filtering results must be greater than or equal to the value stated.

Condition	Caption
Less or equal to	The condition for filtering results must be less than or equal to the value stated.
In range	The condition for filtering results must be between the values stated.
Start with	The condition for filtering results must start with the value stated.
End with	The condition for filtering results must end with the value stated.

### Page navigation

At the bottom of any list view is the page navigator. It's useful for navigating between pages of results.

1 to 10 of 17	<<	Page 1 of 2 >>>	10 👻
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# **Analyzer / App Catalog & Inventory**

From the App Catalog & Inventory option you can see a list of all the applications that have been discovered by FlexxAgent. At the top, next to a dropdown menu, there is a search bar that filters categories and application groups.

Name 🛧	Unique Identifier	05	Workspaces	Users	Versions	Last Report	Discovered Date	Category	App Groups	Avg RAM	Max RAM
AnyDesk	anydeskolient_usr_7.0.14_inc	Windows	1 (0%)	1 (1%)	1	2024-01-08	2024-01-08	NonCategor		176 MB	277 M
Anydesic.exe	anydesk.exe	Windows	21 (8%)	20(12%)	2	2024-02-16	2022-12-02	Tool	Departmental, Pro	104 MB	560 M I
Apache HTTP Server	httpd.exe	Windows	1 (0%)	1 (1%)	1	2024-01-05	2024-01-05	NonCategor		57 MB	81 M
Apps2Digital Agent (deprecated)	a2dagent.exe	Windows	2 (196)	2 (1%)	1	2024-02-16	2022-07-11	Tool	Departmental, Pro	35 MB	57 Mi
🔒 Audacity	audadity exe	Windows	1 (0%)	1 (1%)	2	2024-02-17	2023-01-28	NonCategor		106 MB	210 M
een Autoplay	autoplay.exe	Windows	1 (0%)	1 (196)	1	2024-02-20	2024-02-20	NonCategor		4 MB	4.04
Azure AD dsregcmd	daregemd.exe	Windows	1 (0%)	1 (1%)	1	2024-01-10	2022-09-13	Tool	Low Used, Produc	1.1/8	1.04
Babel Obfuscator	babalain.exe	Windows	1 (0%)	2 (1%)	1	2024-02-12	2023-02-10	NonCategor		94 MB	121 MI
Riometric Enrollment Host	bloenrollmenthost.exe	Windows	1 (0%)	1 (1%)	1	2024-02-20	2024-02-20	NonCategor		12 MB	12 M
😨 Brave Drowser	brave.exe	Windows	7 (2%)	6 (4%)	4	2024-02-21	2022-12-20	Commercial	Departmental	877 MB	5.36 GI

### **List view**

In the list view you can see the following information:

- Product Name
- Application unique identifier
- Operating system for which the application is designed
- Number and percentage of devices running the application
- Users and percentage out of total who have run it
- Number of versions
- Date of last record where activity of this application was found
- Discovery date
- Category
- Application group
- Average and maximum values on CPU, RAM, GPU and IOPS usage

#### **Detail view**

When accessing the desired application, it is possible to see more specific information and assign Product Owners to the application.

Flex	CANALYZER			¢0	Vestern Europe	-
G Home	Sack to Previous Page					
망. Integrations	APP CATALOG & INVENTORY / APP DETAI	LS				
Sentraps	😐 Microsoft PowerPoint					8
Reconcentratives	Product Name Microsoft PowerPoint	Category Commercial	Exe File powerpnt.exe		os Windows	
() Help	Inclosed PowerPoint	Gommercial	,,			
	App Groups		Product Owners			
	Recessary & Productivity	~	۵			
	Versions History					~
	Workspaces History					~
	Users History					~
	Usage History Last 60 Days					~
	Workspaces Without Usage In The Last 3	30 Days				^ .

The fields Product Name, Category or App Groups, at the top of the list view, can be edited, and saved through the Save changes sliding button on the right side.

#### **Version History**

From Version History you can access the different registered versions of the selected application. Here you can check:

- Product Version: the registered version or versions of the product
- Image: version architecture type (32 or 64 bits)
- Discovery Date: date of first record of this version
- Last Report: date of last registered report

#### Workspaces history

It provides details of the recent usage of the application on devices, each application contains:

- Device Name
- Reported version

• Report date

#### **Users History**

It provides details of recent user usage, each application contains:

- Username
- Reported version
- Report date

### **Usage History Last 60 Days**

From this section, you can see a list of different user sessions that have used the selected application during the last 60 days, it contains:

- Username: user session in which the execution of this application was recorded.
- Workspace: device on which the execution of this application was recorded.
- Days: number of days, out of the last 60, that the application was detected running in this user session.
- Last Report: date of the last registered report in the user session.

#### Workspaces without usage in the last 30 days

This list shows the devices that have the application installed but have had no usage in the last 30 days, which helps identify opportunities for license optimization. Includes:

- Device Name
- Installation date
- Last detection report

# **Analyzer / Diagnosis**

From the Diagnosis option, you can perform a detailed analysis of a device's resource consumption, as well as the applications and processes used in the user's session.



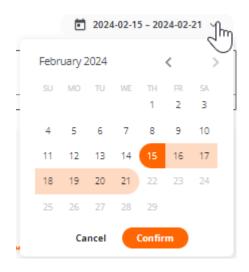
## Web Interface

From the Diagnosis dropdown menu, you can search for a device and the user session you want to analyze. If you start typing a username, the dropdown menu will filter to show only devices that match that name.

DESKTOP.	^
Q desktop	×
DESKTOP	1
DESKTOP-	
C DESKTOP-	
DESKTOP	
10 DESKTOP-	
DESKTOP	
DESKTOP	
0 DESKTOP-	
DESKTOP-	-

It's possible to select a one-week date range for the analysis; by default, data from the last seven days will be shown, although you can select a custom period by clicking the dropdown list. Only the devices used in the selected period will appear.

When you want to explore a different time span, the calendar will mark the days the device wasn't used with a lighter color.



Once the selections are made, the resource consumption information for the selected period, device, and user will be displayed.

## **Timeframe selection**

Once the device, user, and dates on which you want to see the data analysis are selected, a chart will appear at the top, with a six-hour zoom window.

You can drag and drop the selection area on the chart to view the resource consumption data for a more specific period.

You can also click on a point on the chart to see the resource consumption data for that specific moment without manually dragging the selection area. The rest of the page data will reflect the selected period, device, and user.

### **Resource consumption charts**

After placing the time window at the exact point that needs to be analyzed, five resource consumption charts will be displayed at the bottom area: CPU, RAM, GPU, Network Latency, and Disk Usage. Each chart will show six hours corresponding to the selection area in the timeline chart.



The charts show the total resources consumed by the device. If more than one user was using the device during that period, the charts will show the resources consumed by all users. Hovering over any of the charts will display a box with the resource consumption for that specific moment. You can click on any point of any of the charts to see which applications and processes were running at that specific moment; by default, the most recent data for the selected period will be displayed.

### **Performance Counters**

Each counter on the screen includes several display options.

#### CPU

- % CPU: shows the total CPU usage in the system, equivalent to what Task Manager shows.
- **% User Time**: represents the percentage of CPU time utilized by applications and processes running in user mode.
- % Privileged time: indicates the percentage of CPU time used by the operating system and system services in privileged mode.
- % Processor time: shows the total CPU time used across all system processes and activities.

#### RAM

- % RAM: shows the total memory usage in the system, equivalent to what Task Manager shows.
- Available RAM: represents the amount of free memory in the system for running new applications without causing performance issues.
- **Committed MB**: indicates the amount of virtual memory actively used by the running processes and applications.

#### GPU

• % utilization: shows the total GPU usage in the system, equivalent to what Task Manager shows.

### **Network Latency**

• Network Latency: shows the system latencies.

### **Disk Usage**

- Total IOPS: shows the total IOPS (input/output operations per second) generated by the applications and processes on the disk.
- IOPS read per second: sum of all read IOPS, per second.
- IOPS write per second: sum of all write IOPS, per second.

# **Applications and Processes Tables**

At the bottom, you will find the application and process tables, which show all the applications and processes that the user had running on that device at the time marked with the <u>time frame selection</u>.

For each application, the name, the executable, and the resources it consumed are shown.

20 15:00									
me	Process Name	Avg CPU	Avg RAM	Avg GPU	Avg Tota	Avg Read	Avg Writ	Max Network Latency	
Configuración	systemsettings.exe	0.0%	0.0%	0.0%					
Microsoft Calculator	calculatorapp.exe	0.0%	0.0%	0.0%	-				
Microsoft Edge	msedge.exe	6.1%	16.1%	3.1%	2890 IOPS	1307 IOPS	1583 IOPS	240 ms	
Microsoft Office	hxputlook.exe	0.0%	0.0%	0.0%	-	-	-	14 ms	
Microsoft Outlook	outlook.exe	0.2%	0.8%	0.0%	-	-	-	45 ms	
Microsoft Teams (w	ms-teams.exe	0.0%	0.3%	0.0%	-	-	-	38 ms	
Microsoft.MediaPla	microsoft.media.player.exe	0.0%	0.0%	0.0%	-	-	-	-	
Visual Studio Code	code.exe	0.1%	2.3% (	0.0%	12 IOPS	7 IOPS	5 IOPS	77 ms	
Windows_DDM_v2.1	ddm.exe	0.0%	0.1%	0.0%	-			-	

You can filter the table results using the search bar at the top of each one. You can also sort the results by clicking any of the columns in the table.

If you select a point on the chart to see the resource consumption data for a specific moment, the tables will automatically sort to show first the programs that consumed the

most resources in the selected chart.

# Analyzer / Carbon footprint analysis

Green IT, or green technology, is an approach that seeks to minimize the environmental impact of information and communication technologies. One of the areas where it can make a significant difference is in the management and optimization of resource usage, such as energy and paper.

This Analyzer option presents a series of metrics and data related to paper printing and the electrical consumption of devices and their peripherals, which are essential for understanding and improving energy efficiency and sustainability in the work environment.

# Web Interface

This dashboard view is divided into three tabs:

- Overview (visión general): where unified data of the entire generated carbon footprint is presented.
- Printed copies: provides information about the monthly prints in the organization, either in black and white or color; the metrics of the users and printers that generate the most prints.
- Energy: provides information about the energy consumption generated by the use of devices and their peripherals, as well as data on radioactive waste produced from energy generation.

**Important**: carbon footprint data for electrical consumption and prints are recorded only for physical devices, not for virtual machines.

### **Overview**

#### 25.4 / FXXOne Documentation / FXXOne

	ANALYZER			û <b>0</b> 6	
is is	Overview Printed copies Inergy				(About our metrics)
 ∎] •]i ⊙;	Carbon Footprint Tips Configure a power-saving policy in all workspaces to enter into sleep mode or	hibernation when not in use for	short period of times		
*	Carbon footprint of ordinary activities A travel by an average fossil-fueled car between Madrid and Barcelona (625.9km) equi	ils to 68 kgCO2e			
	Total carbon footprint in july 2024 <b>18,73</b> kg CO2e	© Carbor #	n footprint in 2024		
	Printed copies carbon footprint in July 2024 22 6,97 kg CO2e ~ 46,39%	• •	pruay Retray	Kloch April 1	
	Energy carbon footprint in July 2024 @ <b>11,76</b> kg CO2e ~ 181,62%	0		Preniedpages      Erangy	

The overview view groups the collected data regarding both energy consumption and prints, to show monthly information.

Data contained in the view (current month):

- Total generated carbon footprint
- Carbon footprint generated by prints
- Carbon footprint generated by electrical consumption
- Amount of radioactive waste generated in the current month
- Graphical view of the monthly evolution of the generated carbon footprint

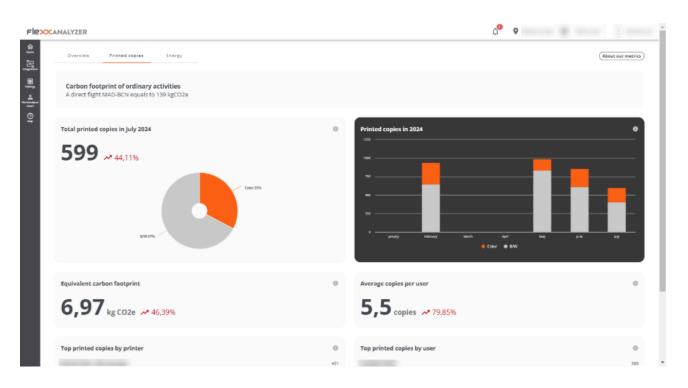
### **Printed copies**

The adoption of Green IT practices for the management and optimization of resource usage in the field of printing involves taking measures that lead to a reduction in paper and energy consumption, as well as the carbon footprint associated with printing devices.

This section presents a dashboard view with information about the prints made and the carbon footprint generated by this activity.

The carbon footprint of the printed copies is calculated using the following estimates:

- 10 g of CO2e per A4 black and white copy
- 15 g of CO2e per A4 color copy



- Total printed copies in [current month] (Número de impresiones en el mes en curso): shows short-term trends in paper usage. Helps identify areas of intensive use, as well as opportunities to reduce the number of prints or promote duplex printing.
- Equivalent carbon footprint (Total de la huella de carbono generada en el mes en curso): provides a direct idea of the environmental impact of printing activities. It can motivate the adoption of policies to reduce the carbon footprint, such as digitizing documents and implementing paperless initiatives.
- Top printed copies by printer (Top de impresiones por impresoras): view of printers, sorted by the number of prints in the current month.
- **Printed copies in [Current year]**: overview of total black and white and color prints made, month by month, during the current year.
- Average copies per user: average number of prints per user in the current month.
- Top printed copies by user (Top de impresiones por usuario): list of users, sorted by number of prints during the current month.

### Energy

25.4 / FXXOne Documentation / FXXOne

	ANALYZER Overview Printed copies Carbon footprint of ordinary A direct flight MAD-BCN equals t					۵.	Redoutive Manufal	<ul> <li>(About our matrics)</li> </ul>
01	Total energy radioactive material in July 2024 60,21 g ~ 181,65%			0	Radioactive material per day in J	July 2024		•
l	Average radioactive material per workspace in July 2024			0	<u>;                                    </u>			
	Top workspaces by uptime			0	Top workspaces by inactive time			0
	Name	Uptime 233h Sm	Last User		Name	Afk Time 272h 28m	Last User	
		307h 35m 214h 25m			1000	160h 9m 156h 57m		

The carbon footprint of energy consumption is calculated by multiplying the energy consumption of the device, showing the average kgCO2e per kWh in Spain, which is 0.1 kgCO2e/kWh.

The radioactive material from energy is calculated by multiplying the device's energy consumption and is shown with the average kgCO2e per kWh in Spain, which is 0.512 g/kWh.

This section presents a dashboard view with information about the carbon footprint and radioactive waste generated by the electric consumption of the devices.

Using the selector on the top right, it is possible to select the view of radioactive material or generated carbon footprint.

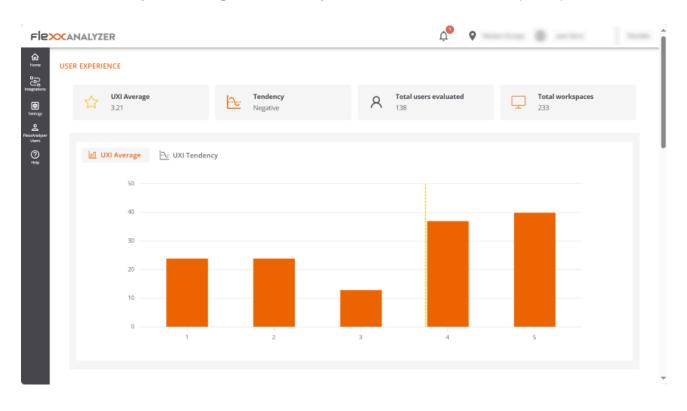
#### Radioactive material

- Total energy radioactive material in [Current month]: shows the total grams of radioactive material generated during the current month.
- Average radioactive material per workspace in [Current month]: shows the average radioactive material per workspace in the current month.
- Radioactive material per day in [Current month]: estimate graph of grams of radioactive waste generated in the current month.

- Top workspaces by uptime: top 10 devices by uptime in the current month.
- Top workspaces by inactive time: top 10 devices by inactive time in the current month.
- Top workspaces by radioactive material generated: top 10 devices that generate the most radioactive material. Radioactive material calculations are made using the averages of CPU and screen consumption by the average radioactive material generated per kWh in Spain (0.512 g).
- Top workspaces by inactive time and radioactive material generated: top 10 devices that generate the most radioactive material while being inactive. Calculated using the averages of CPU and screen by the average radioactive material generated per kWh in Spain (0.512 g).

# **Analyzer / User experience**

In an organization, user experience measures how employees interact with their organization's digital ecosystem; this includes evaluating the performance of the hardware and software they use during their workday, as well as their emotional perception.



### **Basic concepts**

Analyzer builds the UXI (user experience indicator) based on the weighting of two others:

- Workspace Reliability Index (WRI)
- User sentiment

### Workspace Reliability Index (WRI)

The Workspace Reliability Index, or device reliability indicator, allows for an objective performance score for a device based on the collection and analysis of detected issues. Multiple indicators are considered which, if certain issues arise in devices, reduce the score from an initial 5-star rating. These metrics include:

Indicator	Severity	Threshold	Recurrence
HIGH_CPU	MEDIUM	Above 80% for more than 5 minutes	5 min
HIGH_RAM	MEDIUM	Above 80% for more than 5 minutes	5 min
BSOD	HIGH	Presence of a BSOD (blue screen)	Once per day
APP_CRASHES	HIGH	Presence of application crashes	Once per day
APP_HANGS	HIGH	Application crashes presence	Once per day
TEAMS_PROBLEMS	HIGH	Detected problems in Microsoft Teams	Once per day
PNP_ERRORS	HIGH	Detected peripheral errors	5 min
WIFI_SIGNAL	HIGH	Signal below 40% for 10 minutes	5 min
LOGIN_DURATION	HIGH	More than 60 seconds	Once per day
UPTIME	LOW	More than 15 days	Once per day

Indicator	Severity	Threshold	Recurrence
RESTART_PENDING	LOW	More than one day	Once per day
CRITICAL_EVENTLOG	HIGH	Presence of critical events in the event viewer	Once per day
UID	MEDIUM	High system response rate (greater than 350 ms)	5 min
LOW_STORAGE	MEDIUM	500 MB	Once per day
MULTIPLE_EVENTLOGS_ERRORS	MEDIUM	More than 50 errors generated in the event log in the last hour	Once per day
UNAVAILABLE	MEDIUM	Session unavailable for more than 5 minutes	5 min
RAM_UNDER_MINIMUM	MEDIUM	Less than 1 GB of free memory for 120 minutes	5 min
WINDOWS_UPDATES_POOLED	MEDIUM	Windows Update service running on pooled machine	5 min

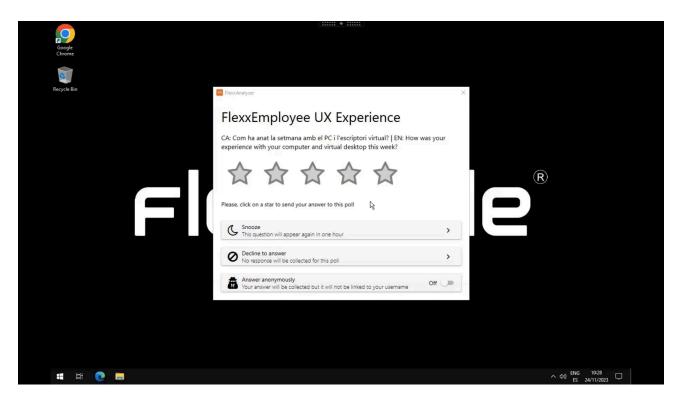
Indicator	Severity	Threshold	Recurrence
BOOT_DURATION	HIGH	Boot duration longer than 90 seconds	Once per day

Where each severity deducts the following score from the initial 5-star rating.

Severity	Penalty
HIGH	0.2
MEDIUM	0.016
LOW	0.008

### User surveys

User sentiment is captured through surveys. And the way to respond is by providing a satisfaction rating based on a score between 0 and 5 stars.



# Web Interface

The dashboard view of the 'User Experience' section consists of the average information of all devices and users in the organization; it is calculated daily.

### **Global view**

The global numbers are offered at the top.

- UXI Average: average experience indicator for the entire organization. It can range from 0 to 5.
- Tendency: an indicator that, based on the evolution of the UXI average, shows whether its tendency is positive or negative.
- Total users evaluated: total users evaluated
- Total workspaces: total devices evaluated

USER EXPERIENCE							
UXI Average 3.21		Tendency Negative		8	Total users evaluated 138	Ţ	Total workspaces 233
UXI Average	<del>ා</del> ල UXI Tendency						
5							
4							
3	•	•	•				•
2							
1							
0							
0	JAN 21-28	JAN 28-4	FEB 4:		FEB 11-18	FEI	8 18-25

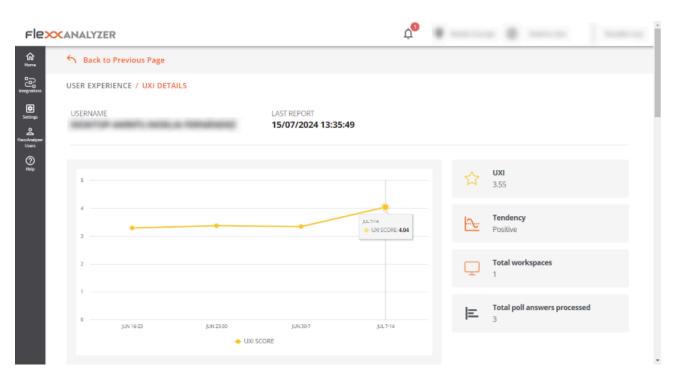
Two charts are also included:

- UXI Average: shows the distribution of users by UXI level, along with the organization's average.
- UXI Tendency: shows the temporal evolution of the UXI over the last month.

At the bottom of the screen, by clicking on a user, individual cases can be evaluated. You can also see tables containing information about users who require attention due to sudden variations of this indicator or a very low score.

### Individual view

This view provides the user data under analysis, including:



- Username: username reported in the user's session
- Last report: date of the last report received for this user
- UXI Average: experience indicator for the user; it can range from 0 to 5.
- Tendency: an indicator that, based on the evolution of the user's UXI average, shows whether the tendency is positive or negative.
- Total workspaces: number of devices the user has worked on
- Total poll answers processed: number of surveys the user has answered and are taken into account in this evaluation.

At the bottom of the screen, detailed information is included in a table format.

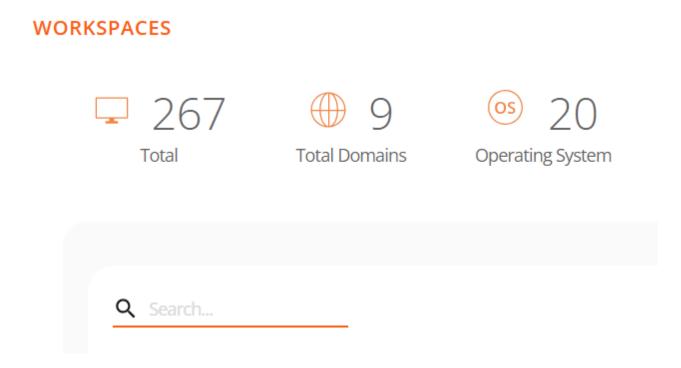
- Polls in the last 30 days: surveys answered by the user in the last 30 days. The detail
  of this view offers the user's survey scores compared to the organization's average for
  the same period.
- Workspaces in the last 30 days: provides a table that contains all the devices the user worked on during that time span, as well as how many times they worked on each, the operating system, and the WRI indicator of each.
- Issues in the last 30 days: table showing the list of problems detected on devices used by the user in the last 30 days, as well as the date and score that each of them deducted.

# **Analyzer / Workspaces in Analyzer**

The Workspaces list view provides global information about the device environment. It shows through a table the names of the monitored devices, their session status, domain, operating system, connected IP address, and other technical data such as CPU, RAM, IOPS usage per device, and the installed version of FlexxAgent.

WORKSPACES							
<b>9</b>	⊕ 2 ∞ 6	5					
Total	Total Domains Operating Sys						
Q Search							
Name	Session Status	Last User	Domain	05	IP	Usage Days	Le
•	<ul> <li>Active</li> </ul>			Windows 11 Pro		43	20
•	Active			Windows 10 Pro		41	20
	<ul> <li>Inactive</li> </ul>		N/A	Windows 10 Pro N		49	20
•	<ul> <li>Inactive</li> </ul>		N/A	Windows 10 Pro		49	20
	<ul> <li>Inactive</li> </ul>		N/A	Windows 10 Enterprise		29	20
	<ul> <li>Inactive</li> </ul>		N/A	Windows 10 Enterprise		31	20
	Inactive		N/A	Windows Server 2016		17	20
	<ul> <li>Inactive</li> </ul>		N/A	Windows 10 Pro		2	20
•	<ul> <li>Inactive</li> </ul>		N/A	Windows 10 Enterpris		1	20
4							÷

Above the table, there is a chart indicating key quantities: number of monitored devices, registered domains, and operating systems detected on the network. And also a search field, so that the user can easily find the device of their interest.



# Workspace detail

To access more precise data of a device, you must click on it in the table. Next, the user will see the following information:

Field	Data
Name	Text string containing the hostname
Last User	Last user who used the device
Last Report	Date of the last report sent by FlexxAgent
Domain	Domain of which the device is a part
LogonServer	Server that authenticates the user when logging in
Vendor	Device manufacturer

Field	Data
Operating System	Device operating system
System Model	Device model
System SKU	Manufacturer SKU identifier
System Type	System type, defines the system architecture
IP	Device IP address
Processor	Commercial name of the processor
Total Workspaces Memory	Total memory present in the system
WRI	Workspace reliability index of the device
Ram Usage	Percentage of RAM used
CPU Usage	Percentage of processor used
CPU Usage	Processor usage in MHz
GPU Usage	Percentage of GPU usage
IOPS Usage	Average IOPS of the disk
FlexxAgent Analyzer Version	Running version of FlexxAgent Analyzer

Seck to Previous Page								
WORKSPACES / WORKSPACE DETAILS								
		ر <sup>(</sup> )	Active 🗇 9 🔗 2 🕛 0					
2.5								
Name	Last User	Last Report	Domain					
DEDATOR-INCOMPT	H. (1999) B. (Experimental	2020-02-27 10-16	ad femilie con					
LogonServer	Vendor	Operating System	System Model					
DEDRIFTOR ENGINEET	Dell Inc.	Windows 11 Pro	Latitude 3520					
		_	_					
System SKU 0B21	System Type x64-based PC	IP 192.168.1.99	Processor 11th Gen Intel(R) Core(TM) i5-1145G7 @					
UB21	X64-Dased PC	192.168.1.99	2.60GHz, 8 Logical Processor(s)					
Total Workspace Memory	WRI	RAM Usage	CPU Usage					
8GB	4.5 🚖	91.9%	38.16%					
CPU Usage Mhz	IOPS Usage	FlexxAgent Analyzer Version						
2.16GHz	1483	2.10.6						
Diagnose workspace								

Below the list, the Diagnose workspace button allows you to see the usage data for the device, which is the same information that can be found in the Diagnosis section.

### Workspace analysis

The lower part of the device detail view consists of five tables that analyze very specific device goals:

- <u>Displays</u>.
- Installed Apps.
- Running Apps.
- Issues in the last 30 days.
- Usage history.

Each of these sections has its own search field to facilitate access to the information.

### **Displays**

It contains information about the screens connected to the device, their maximum resolution, and size. This data becomes important because the electric consumption generated by the screens is used to <u>estimate the carbon footprint</u>.

### **Installed Apps**

Shows a list of the applications installed on the device. Also the version number, category, installation date, application group it belongs to, and the unique identifier assigned to it. For more information on how to edit these fields, refer to <u>App Catalog & Inventory</u>.

The information about installed applications offered by Installed Apps is collected by <u>FlexxAgent Analyzer</u> when its process starts. From there, the data will be updated every 12 hours.

### **Running Apps**

Shows a list of applications running on the device. The table indicates the name of the process running and the average resource usage for CPU, RAM, and GPU.

The information about the running applications provided by Running Apps is collected by <u>FlexxAgent Analyzer</u> every 15 seconds and sent to the console every 5 minutes.

### Issues in the last 30 days

This table includes the list of <u>alerts</u> generated in the Workspaces module and sent daily to the Analyzer. The table reports the score deducted from the Workspace Reliability Index for each alert found on the device.

### Usage history

Contains information about the device usage history. Indicates the user or users who use it, as well as the days they do.

# **Analyzer / App Groups**

App Groups provides the possibility to create application groups to display aggregate data on the analysis screens.

Fle:	× ANALYZER							Ļ <sup>0</sup>	🖗 Maandaasa	<b>60</b>	arts a	$t_{\rm F} \sim {\rm d}$
<b>பி</b> Home	APP GROUPS											
Integrations											Create Ap	
Settings						( <u>2</u> ) (2						8
C RexxAnalyzer			贷 CRITICAL	100 B			\$	\$	<b>1</b> 03			
Users		<		DEPARTM		MEDIA	LOW USED	NECESSARY	SYSTEM	>		
Help			6.	Apps	53 Apps	20 Apps	0 Арр	30 Apps	7 Apps			
	Critical											
						L.						
		5	N	$\diamond$		0						
	Credential Manage credentialuibroker	Microsoft Manage mmc.exe	Microsoft OneNote onenote.exe	Microsoft Window systemsettings.exe	Task Manaş taskmgr.e)							
	Users Cons	uming Apps In	Critical									~
	FlexxAnalyzer 2024											

At the top of the main screen, three buttons allow you to filter by user applications, system applications, or view all. And below, each application group is represented in a tile.

# **Group Types**



- User App Group: groups manually created from the Create App Group button.
- System App Group: automatically generated groups. Created by Analyzer considering the assigned configuration in the Settings option.
- All: includes all groups.

# Users consuming applications in the selected group

In the Users Consuming Apps In... section, you can see which users are using that application group.

# **Creating a New Application Group**

When creating a new application group from Create App Group, you must specify the name of the group and, through the Add APP button, the applications you want to add.

Group Name									
				ß					
+									
Add APP									
ADD APPS									×
Q Search Apps									
	0	icon	icon	icon	icon	icon	٢	٢	Î
1password 1password.exe		Adobe Download I reader_install_setu	AnyDesk anydeskuninst30c	Cisco AnyConnect vpndownloader.ex	Cisco Secure Clien csc_ui.exe	ciscowebexstart.e: ciscowebexstart.e:	Citrix Receiver receiver.exe	Citrix Workspace wfica32.exe	
icon	icon		icon	Ø	٨		A	۵.	
Client Connector zsatray.exe	CrashingApp crashingapp.exe	Credential Manage credentialuibroker	CShelljavaLaunche cshelljavalauncher	DeepLdeepLexe	easeofaccessdialo, easeofaccessdialo,	FlexxNotification flexxnotification.ex	fontview.exe fontview.exe	GNU Image Manip gimp-2.10.exe	
icon		icon		kon	<b>a</b>	0	o	-	
IBM Lotus Notes/E ninotes.exe	installer.exe installer.exe	Lenovo System Up tvsukernel.exe	Logi Options+ Age logioptionsplus_ag	magnify magnify.exe	Microsoft Manage mmc.exe	Microsoft Office Cl officeclicktorun.ex	Microsoft Outlook outlook.exe	Microsoft Paint mspaint.exe	*
								ADD	Ju -

Finally, to save, click on the Save changes button.

# **Analyzer / App Versions**

App Versions allows you to quickly and visually obtain information about the different versions of the same application installed on an organization's devices.

# **Graphical view**

In the upper area of the Apps Version option, you can see a selector for the number of days you want to evaluate. By moving it, you can see the different versions of the registered applications, depending on the number of days selected.



The graph below the day selector shows the number of versions per application: those with more will be at the top and those with fewer, at the bottom.

# Table view

Q Search...

		Versions >
App Name	App Executable	Total Versions
Microsoft Edge	msedge.exe	30
Google Chrome	chrome.exe	28
Microsoft Windows System Settings	systemsettings.exe	22
Microsoft Teams (work preview)	ms-teams.exe	17
Citrix Workspace	cdviewer.exe	16
Microsoft Teams	teams.exe	16
Microsoft Word	winword.exe	15
Task Manager	taskmgr.exe	14
Microsoft Edge View	msedgewebview2.exe	14
Microsoft Outlook	outlook.exe	13
		1 to 10 of 142 I< < Page 1 of 15 > >I

At the bottom, there is a table with detailed information:

- Application name
- Executable name
- Number of total versions

This data facilitates the task of unifying the different application versions.

# Analyzer / Polls

Polls allow us to get the user's sentiment or perception regarding very simple questions, trying to simplify the response mechanisms as much as possible to maximize the user response rate.

The information gathered from the polls is processed along with the data that make up the WRI (Workspace Reliability Index) to build the UXI dashboard (user experience indicator).

# **Poll Settings**

The Polls section allows you to create, modify, and delete polls for users, schedule their execution, determine which users will receive them, and more options.

### **List view**

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PO	LLS DASHBOARD									
9								CREATE 1	NEW PO	u.
2 nalyzer	Q, Search									
eers Delp	Name	Status	Туре	Start Date	Last Respo	Responses	Avg Score			
αþ		In progress	Recurrent	2023-03-06 09:	2024-07-12 15:	533	<b>\$</b> 4.04	п	/	Ĩ
		Completed	One shot	2023-06-30 14:	N/A	0	<b>\$</b> 7 0		/	Î
							1 to 2 of 2 K K	Page 1 of 1	> >	d.
Flex	xxAnalyzer 2024									

By accessing the section, you can see a list of configured polls, if any, as well as a preview of their configuration.

### **Detail view**

By accessing an already created poll to modify it or simply creating a new one using the button at the top right, you can access the settings of a poll.

rle <mark>&gt;</mark>	×ANALYZER			Ļ <sup>0</sup>	9		Section 1
ca Horra	POLLS DASHBOARD / CREATE POLL						
integrations	Name						
Settings Recordulyter Users Help	Question Choose an audience  Organization Custom Cocurrence One shot Recurrenct Recurrence pattern Weekly Monthly						
	Once Year      Ime zone      Ind date: 17/07/2024      Once Year      Select day      16/07/2024      Once Year      Select day      16/07/2024      Once Year      Select day      16/07/2024      Once Year      Select day      Select	Start Ume 09:44	Endtime		0	CANCEL	UBLISH POLL

The configuration options include:

- <u>Name</u>
- <u>Question</u>
- <u>Audience</u>
- Occurrence

#### Name

Define the name of the poll, as well as the title it will have when sent to users.

#### Question

Contains the question that will be asked to users; the response is determined on a scale from 1 to 5 stars.

#### Audience

The audience settings allow you to launch the poll to the entire organization, selected user groups, or organizational groups.

#### Occurrence

The occurrence options allow you to configure the poll to be launched to users either once or on a recurring basis. If it is recurring, the options are as follows:

- Weekly
- Monthly
- Yearly

In all cases, it is possible to select the specific day of the poll launch and its end date. It is also possible not to set an end date so that the poll runs indefinitely with the applied configuration.

### **Poll Execution**

*****	
Google Chrome	
Recycle Bin 🔤 Floru Analyzer	×
FlexxEmployee UX Experience	
CA: Com ha anat la setmana amb el PC i l'escriptori virtual?  EN: How was your experience with your computer and virtual desktop this week?	JF.
W W W W W	R
Please, click on a star to send your answer to this poll	
1 Snooze	
This question will appear again in one hour	·
Decline to answer No response will be collected for this poll	>
Answer anonymously. Off UN Your answer will be collected but it will not be linked to your username Off	
📫 H 🕐 🗮	

When the execution time arrives, the users defined in the audience settings will receive the poll. They need to respond by clicking on the number of stars (from 1 to 5), according to the rating. These data are processed together with the data that make up the WRI (Workspace Reliability Index) to build the UXI dashboard (user experience).

# **Analyzer / Users in Analyzer**

The users view provides information about all users detected by FlexxAgent on the devices. It allows you to view the application and device resources used by the users in the organization.

To get more information about users, it is possible to integrate Analyzer with Active Directory or Entra ID, which will allow obtaining data that FlexxAgent cannot capture from the session, such as email address, manager, or user department.

# List view

This view allows you to see condensed information about the total number of users and domains, as well as data for all users; these include:

- Username: username used for login in the session
- Name: user's display name
- UPN: principal user name
- Department: Department reported in Active Directory or Entra ID
- Domain: Entra ID or Active Directory domain where the device resides
- Manager: user's manager informed in Entra ID or Active Directory
- Usage days: total days the user has logged in
- Profile size: disk space occupied by the user profile
- Last report: date of the last FlexxAgent report

# **Detail view**

Accessing any user enables the detail view:

exanalyzer		ф <b>9</b> 9 — — — — — — — — — — — — — — — — — —	
S Back to Previous Page			
USERS / USER DETAILS			
• ☐ 91 →			
			Ø
Name	Username	Workspace	Profile Size
			21.8 GB
User Principal Name	Domain		
			33.9 GB
D	Email Address		31.9 GB
Department	Email Address		
			21.7 GB
-			21.7 GB

### User data in the detail view

In this view, data related to the user is collected, including:

- Total number of applications used by the user
- Username: username used for login in the session
- Name: user's display name
- UPN: principal user name
- Domain: Entra ID or Active Directory domain where the device resides
- Department: Department reported in Active Directory or Entra ID
- Email Address: user's email address

On the right side of the screen, there is a table with a row for each device on which the user worked. This table contains:

- Workspace: device name
- Profile size: disk space occupied by the user profile

At the bottom of the screen, the 'Used applications' and 'Usage history' sections are presented.

Used applications presents a table view containing all the applications used by the user. The table contains:

- Name: application name
- Workspace: device where the application was detected
- Version: discovered application version
- Last report: date of the last FlexxAgent report
- App Group: group to which the application belongs
- Category: application category

Usage history shows information about the devices used by the user. Contains:

- Workspace: device name
- Days: usage days
- Last report: date of the last FlexxAgent report

# **Analyzer / User Groups**

Users Groups allows you to create user groups using the data of the users discovered by FlexxAgent.

### **List view**

The list view presents the information of all existing groups and the button at the top right of the screen allows you to create new groups.

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tions Res	USERS GROUPS		
integrations Settings	Q Search		ADD
Settings C RecoAnalyzer Users	NAME 🛧	MEMBERS	
() Help			Ô
Help			Ô
			Ô
		1 to 3 of 3 i < < Page 1 of	1 > >1
	FlexxAnalyzer 2024		

# **Detail view**

Within the details of a user group, it is possible to remove any user using the trashcanshaped button located on the far right. It is also possible to add new users to the group with the Add button at the top right of the screen.

#### 25.4 / FXXOne Documentation / FXXOne

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NecoAnalyzer Users () Help		ō
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# Portal

Portal is the central space of the platform, from where you can access the available modules of Flexxible's products. You can create, modify or delete users and also assign them roles so they can develop and manage actions related to microservices, flows, and patch management policies.

Through Portal, you can consult license consumption data by environment; manage reporting groups, which enable device segmentation; and activate functionalities in FlexxAgent. Portal integrates with OAuth2, a framework that allows user authorization, enabling them to sign in easily using their corporate credentials.

From Home you can access the various modules that make up the solution and in Your Products to the active licenses of Flexxible's products included in your subscription.

Flexxible				<u>а</u> м	Change: Ctrl + K Iy organization Default: Ctrl + D	Organization Admin	
ப்பில் Home		Home					
Operations							
猛 Flows		D	୍	<del>ر</del> ائ	<u>80</u>		
🖩 Reports		Workspaces	Analyzer	کی Automate	Monitor		
മ്മി Tenants	$\sim$						
De Workspaces	$\sim$						
📋 Patch	$\sim$	View more (13)					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Analyzer	$\sim$	Your products					
Microservices	$\sim$						
毯 Settings	$\sim$	Environment †↓			Product type ↑↓	Action	

# Sidebar menu

This option offers several action fields.

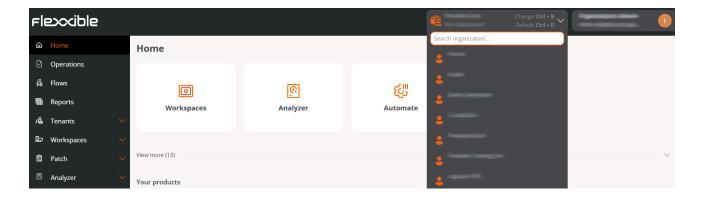
- <u>Operations</u>
- Flows
- <u>Reports</u>
- <u>Tenants</u>
- <u>Workspaces</u>
- <u>Updates</u>

- <u>Analyzer</u>
- <u>Microservices</u>
- <u>Configuration</u>

# **Organization selector**

At the top, to the right of the interface, is the organization selector. If a user has access to multiple organizations, such as in the case of managed service providers (MSP), they can easily select the organization to manage: simply expand the list of organizations and choose the desired one or type in the search box a string that matches the name of the organization you want to find, select it and press Enter.

You can also select an organization through the <u>navigation bar</u> by pressing Control + K or Cmd + K (on Mac).



To return to the default organization, you can repeat the same procedure or use the shortcut Control + D or Cmd + D (on Mac).

# **User Settings**

In the top menu, on the right, the logged-in user's name and their assigned role in Portal are displayed.

If you click on the user name you can consult and manage:

• <u>My logins</u>

• <u>Settings</u>

### My logins

Displays a table with information about the user's session connections, including IP address, name of the Flexxible application accessed, user agent, and date and time of access. The data comes directly from the authentication provider. You can view up to the last 30 days or the last 1000 login sessions at most.

### Settings

This section allows the user to set the default organization to manage, configure the platform language, set regional settings, and enable the advanced menu.

Select organization select	ed by default				
My organization					
Select default language					
English					$\sim$
Select regional settings					$\overline{}$
nable advanced menu					
Access to this system is re access/session could be r		ed personnel o	nly. Please be ir	nformed that	your

#### **Default Organization**

The default organization is the one the user will see by default when entering the Portal. This option allows selecting it from the available organizations shown in the dropdown list.

#### Language

From this option, the user can choose the language in which they want the interface to be displayed. You can choose between Spanish, Portuguese, English, Catalan, and Basque.

#### Select regional settings

This option allows defining the country, according to which the platform interface settings will be defined.

#### Advanced menu

The advanced menu expands the Portal sidebar by adding shortcuts to specific functionalities of the other modules, so, for example, you can jump to a specific section of Analyzer or Workspaces.

# **Navigation bar**

The navigation bar allows the user to go directly to specific sections and subsections of the Portal or change the <u>organization to manage</u>. For example, a user who wants to access the Microservices section can do so quickly by typing the characters of the word *microservice* in the search box; similarly, if the user wants to change organization, they should type characters that match the name of the organization they want to manage, and then press Enter.

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ŵ			Home				
Ð							
Ē	Reports		Г				<u>R</u> e
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Rê				RESULTS			
$\odot$			X I.				
Ŀ			Your products	Microsoft patch policies     Microsoft Patches	Patch Patch		
盆			Environment			e↑↓	Action
3					FX	XOne	🖾 View Detail
٢							

### Considerations about the navigation bar

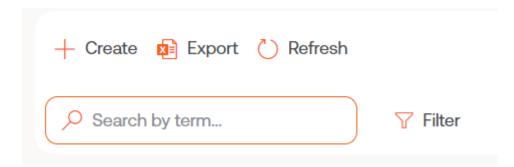
- Access to the navigation bar is done through Ctrl + K (Cmd + K on Mac).
- Allows accessing recent navigations performed by a user from an organization. The navigation history will change if the user changes the organization.
- Searches must be performed in the same language that the user has configured in Portal.

• To exit the navigation bar, press esc on the keyboard.

### **Tables**

Tables are a fundamental part of Portal because they are used to display data in all sections of the application. They are generally structured as follows:

### **Top bar**



#### New

The New button opens a form to enter the requested data. The fields to be completed depend on the section of Portal being consulted. For example, if the user is in Tenant, the form would ask to add the information to create a new tenant.

#### Export

To export the list observed in the list view, just click Export. This action will download an excel file with the data displayed in the table.

#### Reload the table

The Reload the table button is a feature option, very useful when you want to refresh the list, especially when new data has been created.

#### Search by term

The Search by term field allows for more precise searches. You can enter a word that matches the data you are looking for.

#### Filter

The Filter button is a more complete alternative for searching. Clicking on it displays a menu to choose the Field of the table where you want to search; once the field is selected, the Value option enables to enter a term you want to filter by. You can create as many filters as there are field options displayed when clicking on Filters.

#### Full screen



Considering that tables are an essential part of Portal, the full screen button expands the table size to improve data visibility and enhance the user experience.

Flexcible 🔛		My organization	(Ctrl + K) 🗸	Organization Admin	
ය Home	Designer				
Operations	+ Create 🟚 Export 💍 Refresh				2
ස් Flows preview දුදී Tenants v					
🗗 Workspaces 🗸 🗸	Name 🕕	Category ↑↓	Library ↑↓	Archived î↓ Act	tions
🛱 Patch PREVIEW 🗸	List Installed User Certificates	Certificates	Flexxible Corp	Unarchived	
🗘 Microservices 🔨	Borrar cache Teams 69	Collaboration	Flexxible Corp	Unarchived	
🖾 Enabled	Windows Update - No restart	Updates	Flexxible Corp	Unarchived	
B Marketplace	Windows update - with reboot $\ ^{\mbox{\scriptsize CP}}$	Updates	Flexxible Corp	Unarchived	
Designer	Clear Microsoft Edge Cache 🕫	Browsers	Flexxible Corp	Unarchived	
Audit log	Force Synchronization with SCCM (SP)	SCCM	Flexxible Corp	Unarchived	
	Intune - Enroll Device (SR	Intune	Flexxible Corp	Unarchived	
	< Previous Page 1 v of 1 Next > Showing 1 to 50 of 50 results			Per page:	50 ~

### Content

Table columns order the information according to fields. The first column is always Name, referring to the section where the user is at that moment; for example, if the user is in Flows, the table will display the name of the existing flows. The name of the following columns varies according to the section of Portal being consulted.

The content of the columns can be sorted in ascending or descending order, alphabetically. And the width of these can be adjusted by placing the cursor between two

#### field names.

Name ↑↓	Product ↑↓ Pollcy ↑↓	Creation date †	Action	
	FlexxClient	7/25/24	View Detail	Â
		2/28/24	☑ View Detail	
	FlexxClient	7/23/24	View Detail	
	FlexxClient	8/27/24	View Detail	
•• ••	FlexxClient	7/25/24	View Detail	
•• ••	FlexxClient	7/15/24	View Detail	
	FlexxClient	8/13/24	View Detail	
	IIII FlexxClient	7/17/24	12 View Detail	*
< Previous Page 1 V of 1	Next > Showing 1 to 9 of 9 results		Per page	: 50

### **Bottom bar**

All tables have at the bottom a navigation bar that allows you to select how many results to show per page, and also gives the possibility to choose the page number you want to go to.

# **Portal / Analyzer in Portal**

The Analyzer section of Portal allows you to check information about applications installed on an organization's devices and the licenses acquired.

Flexcible III		My organization	Change: Ctrl + K Default: Ctrl + D	۲ <u>ا</u>
ŵ Home ⊡ Operations	Installed apps			
5 Flows PREVIEW	😥 Export 💍 Refresh			2
B Workspaces <	Search by term Y Filter			
E Analyzer PREVIEW A	Product name 11 Publisher 11	Installed at †J Last report †J	os 🔃	View detail
Installed apps	Adobe Genuine Software Integrity Service	12/19/24	MacOS	View Detail
Microservices PREVIEW	Adobe Illustrator	12/19/24	MacOS	View Detail
③ Settings	Adobe Illustrator 2024 Adobe Inc.	9/16/24 12/19/24	Windows	View Detail
	Adobe Illustrator 2025 Adobe Inc.	11/6/24 12/19/24	Windows	View Detail
	Adobe InDesign 2025	12/19/24	MacOS	View Detail
	Adobe InDesign 2025 Adobe Inc.	6/9/22 12/19/24	Windows	View Detail
	Previous Page 3 v of 99 Next > Showing 41	l to 60 of 1975 results		Per page: 20 V

The information provided by Analyzer in Portal can also be accessed from the Workspaces section in the <u>Analyzer</u> module.

# **Portal / Analyzer / Installed apps**

The Installed apps list view shows detailed information about all installed applications found by the FlexxAgent on the organization's devices.

The table offers the following data:

- Product Name: name of the installed application
- Publisher: company that developed the application
- Installed at (UTC): date and time when the application was first reported on a device, in Coordinated Universal Time standard
- Last report (UTC): date and time of the last report of the application on a device, in Coordinated Universal Time standard
- OS: operating system of the device on which the application is installed
- Number of installations: number of application installations, calculated every two hours
- View detail: opens the application's detail view

# **Installed Apps Details**

To access specific information of an installed application, from the overview click on the application's name or the View Details option. The following three tabs will be displayed:

- <u>Overview</u>
- <u>Versions</u>
- <u>Workspaces</u>

### () INFO

Installed applications are reported at each FlexxAgent startup; from that moment, the information is updated every 12 hours.

### **Overview**

From here, you can see the same information as in the list view, plus the Edit button, which opens a modal window with a form to enter free text as a note about the application.

Fle	exxible	2 🔛			My organization	Change: Ctrl + K Default: Ctrl + D	User	
Ð	Home Operations		Installed apps > Microsoft Visual Studio Code Microsoft Visual Studio Code					
₽	Flows Workspaces	PREVIEW	Overview Versions Workspaces					
£	Patch Analyzer	PREVIEW ~	Product name Microsoft Visual Studio Code Publisher	OS Windows		Discovered at 12/12/24		
In ଫ	stalled apps Microservices		Microsoft Corporation			Last report		
ŝ	Settings	PREVIEW V	Notes		Edit	<sup>12:</sup> 12/19/24		
							L3	
							vg	

### Versions

The columns of this table show the following information:

- Version: version number of the application being queried
- Number of workspaces: number of devices where this version is installed
- Installed at (UTC): date of the first report of the application for that version, in Coordinated Universal Time standard
- Last report (UTC): date of the last report of the application for that version, in Coordinated Universal Time standard

If you click on the version number, you will be redirected to a detailed view to see which devices have that version of the application installed and the date of its last report.

### Workspaces

The columns of this table show the following information:

• Name: name of the device where the queried application is installed

- Version: version number of the application installed on the device
- Installation Location: location of the application file on the device
- Last report (UTC): date of the last application report on the device, in Coordinated Universal Time standard
- Installed at (UTC): date of the first report of the application on the device, in Coordinated Universal Time standard

# Portal / Analyzer / Licenses

From this section, you can access information about all the software licenses that the organization has acquired. With access to this data, the organization can study the cost generated by the installation or execution of the applications on its devices to minimize the extra costs that can result from poor license management.

# **Types of licenses**

Licenses distinguishes three types of licenses:

- Installed on the device: the charge for these licenses is based on the installation of at least one of the applications that make it up.
- **Run on the device**: the charge for these licenses is based on their use (execution) and not on the installation on the device.
- **Run on user**: similar to the licenses run on the device, the charge for these licenses is based on their use (execution) by the user.

#### () INFO

The use of a license starts being recorded from the moment it is created and linked to Installed applications

## **License list view**

Flexxible 🔛				*		Change: Ctrl + K Default: Ctrl + D	nistrador de Organiz 👔
û Inicio ⊡ Operaciones	Licencias						
5 Flujos insevnew	+ Nuevo 😥 Exportar	🕐 Recargar					2
📾 Reports necverw 🙈 Inquilinos 🗸 🗸	🔎 Buscar por término	V Fitrar					
© Monitor ✓	Nombre 11	Tipo de licencia 🏗	Licencias compradas 🛝	Usage (current month; †	Usage (last month) 13	Expira el 🏗	Acción
🗈 Workspaces 🗸 🗸	Licencia OBS (prueba)	Instalación en espacio de trabajo	24	0	0	31/10/24	View Detail
Actualizaciones PREVIEW V	Chromium	Ejecución en el espacio de trabajo	50	0	0	-	View Detail
🗵 Analyzer 🛛 PREVIEW 🔺	1Password	Instalación en espacio de trabajo	2	2	0	12/1/25	View Detail
Aplicaciones instaladas	Notepad++	Instalación en espacio de trabajo	0	63	70	-	View Detail
Licencias	7-ZIP	Instalación en espacio de trabajo	0	64	77	-	View Detail
SAM	Outlook	Ejecución en usuario	50	84	95	-	View Detail
🕀 Microservicios (PREVIEW) 🗸	Microsoft Office	Instalación en espacio de trabajo	125	94	116	3/2/25	🕑 View Detail
® Configuración ∨	< Anterior Página	1 →) de 1 Siguiente > M	ostrando 1 a 7 de 7 resultador				Por página: 60 💛

The list view shows a table with the following information:

- Name: name of the license
- Type of license: installed on the device, executed on the device, or executed by user
- Acquired licenses: number of licenses purchased
- Usage in the current month: number of licenses used in the current month
- Usage in the past month: number of licenses used in the previous month
- License expiration date: deadline for the use of the license

From the same table, you can access View details, to see specific data of the selected license through four tabs: Details, Installed apps, Running apps, and Usage history.

### **Create a License**

To create a new license, click the New button located in the list view. Next, a form will open requesting to fill in the following fields:

Create new license		×
Name *		
Name		
License type *		
Select a license type		~)
Purchased licenses		
Purchased licenses		
License cost		
License cost		€
Notes		
Notes		
		li
Expires at		
Select date		
	$\times$ Cancelar	+ Nuevo

- Name: name of the license that the device has
- Type of license: option to choose the type of license
- Purchased licenses: number of licenses acquired
- License cost: cost of the license, in euros
- Notes: additional notes about the license
- Expires on: expiration date of the license

# License detail view

The license detail view consists of a different number of tabs depending on the type of license, for all license types the following will appear:

- Details
- Installed applications
- <u>Usage history</u>

For licenses of type Run on the device or Run on the user, the following will also be enabled:

• Running applications

## Details

The Details tab shows the same information as the list view table, plus the license cost and information about issuance, update, and expiration dates.

F	excible	e III		•	Change Miorganización Default	Citrl + K Citrl + D
Ð	Inicio Operaciones Flujos	PREVIEW	Electric Com > Licenciae > Microsoft Office Microsoft Office Detailes Aplicaciones instaladas Historial de uso			
	Reports	PREVEN				
	Inquilinos Monitor		Nombre Microsoft Office	Tipo de licencia. Instalación en espacio de trabajo		Expira el 3/2/25
₽	Workspaces	Ý	Licencias compradas 125	Monthly license cost 220 €		Creado el 14/10/24
2	Actualizacione Analyzar	PREVIEW A	Usage (current month) 94	Usage (last month) 116		Actualizado el 34//25
L	plicaciones insta icencias AM	ladas	Notas -		Editar	
Ø	Microservicios	PREVIEW V				
0	Configuración	Ý				

The Edit button opens a form to fill in the missing information or update the existing data. From there, the user also has the option to add free notes with any relevant information.

### **Installed** apps

The Installed apps tab shows a table with a list of the installed applications that are part of the acquired license.

Flexxible 🔛			<b>1</b>		Change: Citrl + K Dolault: Citrl + D	rador de Organiz 🍞
බ Inicio ව Operaciones	> Lizerveise > Microsoft Office					
≴ Flujos insevnew	Detailes Aplicaciones instaladas Historial de uso					
🛱 Reports persenau 🖧 Inquilinos 🗸	🕂 Vincular 👩 Exportar 💍 Recargar					× 1
© Monitor ✓	P Buscar por término Y Filtrar					
🗈 Workspaces 🗸 🗸	Nombre 11	Editor 11	Instalado en †J	Último informe ‡	SO 11	Ver detai
Actualizaciones PREMEW V	Aplicaciones de Microsoft 365 para negocios - es-es	Microsoft Corporation	14/8/24	14/1/25	Windows	😪 Desvir
🖾 Analyzar 🛛 Paemew 🧥	Microsoft 366 Apps for enterprise - en-us	Microsoft Corporation	14/8/24	14/1/25	Windows	🔍 Desvir
Aplicaciones instaladas	Aplicaciones de Microsoft 365 para negocios - ca-es	Microsoft Corporation	12/8/21	14/1/25	Windows	R Desvir
Licencias	Aplicaciones de Microsoft 365 para empresas - ca-es	Microsoft Corporation	12/8/21	14/1/25	Windows	🕸 Desvir
ouvu ⊕ Microservicios PREMEW ∨	Aplicaciones de Microsoft 365 para empresas - es-es	Microsoft Corporation	14/8/24	14/1/25	Windows	କ୍ରୁ Desvir
<ul> <li>Configuración</li> </ul>	Microsoft 365 (Office)	Microsoft Corporation	10/1/25	14/1/25	Windows	🕸 Desvir
Configuration •	Microsoft 365 Apps for enterprise - it-it	Microsoft Corporation	11/11/21	14/1/25	Windows	ୟୁ Desvir
	Mirmonth 285 Anno nara Granviao Emmasao - nt-tv 1	Minment Commission	11/11/21	<b>WR/25</b>	Winninaso	👁 Desvir
	< Antonica Pägina 1 de 1 Siguiente >	Mostrando 1 a 34 de 34 resu	Itados		Por	página: 50 🗸

It presents information such as the application name, the company that developed it, installation and update dates, the operating system it works on, and the option unlink, to detach the application from the list. On the other hand, the Link button opens a form with options to link an application to the list of installed applications. And Refresh updates the list after making changes.

## Usage history

F	exxible	2 111						<b>R</b>	li organización	Change: Cirl + K Default: Cirl + D	Administrador d	le Organiz 👔
	Inicio Operaciones		Outlook	> <u>Licencias</u> > Outlook								
	Flujos Reports	PREVIEW	Detalles	Aplicaciones instaladas	Aplicaciones en ejecució	n Historial de uso						
	Inquilinos	~	Licens	ses used in the pa	ast 12 months							
	Monitor Workspaces		100								_	
			80									
	Analyzar Iplicaciones insta	PREVIEW 🔨	60									
	icencias AM		40									
	Microservicios		20									
0	Configuración		0	feb 2024 mar 2024	6 ahr 2024 mai	y 2024 jun 2024	jul 2024	ngo 2024	sept 2024 d	set 2024 nov 2024	die 2024	ene 2025

Allows to see the usage of the license per month in a bar chart, from the moment of its creation.

## **Running applications**

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🕞 Workspaces 🗸 🗸	Nombre 11	Exe file 11	Sistema operativo ↓	Acciones	
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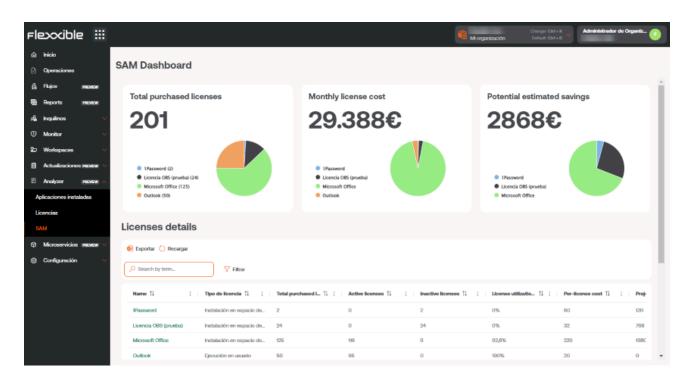
Provides information about the running applications linked to this license, that is, those applications whose execution must count a license as in use, with data such as the

name, the binary name in the filesystem, and the operating system where it was discovered.

From this view, it is also possible to link or unlink applications to the license.

# Portal / Analyzer / SAM

When at least one license has been created and properly configured, its usage can be measured in the SAM section.



This view consists of three widgets and a list view where it's possible to consume information about usage, cost, and potential savings that could be applied to save costs on the configured licenses.

### INFO

The usage of a license starts being recorded from the moment it is created and associated with Installed applications.

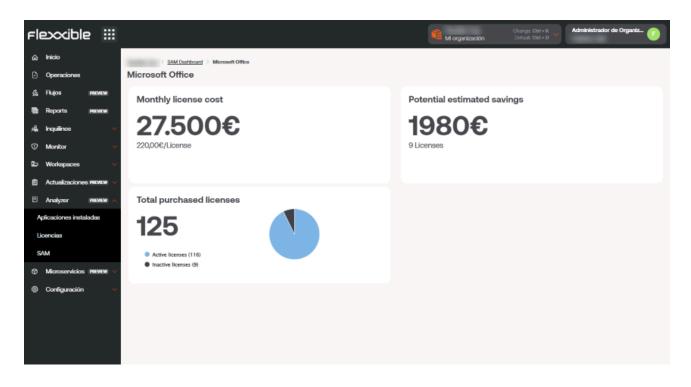
The widgets included in the dashboard contain information about:

- Total licenses purchased: the total number of licenses purchased, aggregated by license
- Total cost per month: aggregated by license
- Potential savings: provides the detail in € of the licenses that are unused and may not be renewed to optimize costs, aggregated by license.

At the bottom of the dashboard is the License Details table, which contains a list with the following information:

- License name
- License type
- Licenses purchased
- Number of licenses in use
- Number of unused licenses
- License usage percentage
- Price per license
- Potential savings
- Currency

By clicking on the name of any license in the table, we will access the savings view of the selected license:



This detailed view provides the following information:

- The total monthly cost of the license
- The potential savings that can be applied to the license, according to its usage in previous periods.

• The total number of licenses purchased, segmented into licenses in use and inactive licenses.

# Portal / Monitor in Portal

Monitor is the alerts and monitoring section of Portal. Composed of two sections: <u>Active</u> <u>Alerts</u> and <u>Alert Settings</u>, it provides real-time information about important events that can compromise device functionality through alerts, and allows the configuration of predefined alerts to be adjusted to the needs of each organization.

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orkspaces V	10000	Critical	Porcentaje bajo de espaci	Drive: D: Free space: 5 GB	2/16/25, 6:01:34 PM	2/16/25, 6:01:35 PM	Device:
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# **Portal / Monitor / Active alerts**

Alerts notify about certain events that have occurred in the devices' system, that have met a condition and exceeded a predefined threshold. Active alerts allows you to see the list of alerts generated on the organization's devices.

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		O Critical	Duración del arrangue	Boot duration 188 seconds	2/19/25, 4:08:35 PM	2/19/25, 4:08:35 PM	Device:
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	10000	Critical	Duración del arranque	Boot duration 274 seconds	2/19/25, 5:23:20 PM	2/19/25, 5:23:21 PM	Device:
	10000	Critical	Porcentaje bajo de especi	Drive: D: Free space: 14 G	2/19/25, 9:04:50 AM	2/19/25, 9:04:50 AM	Device:

The table contains the following fields:

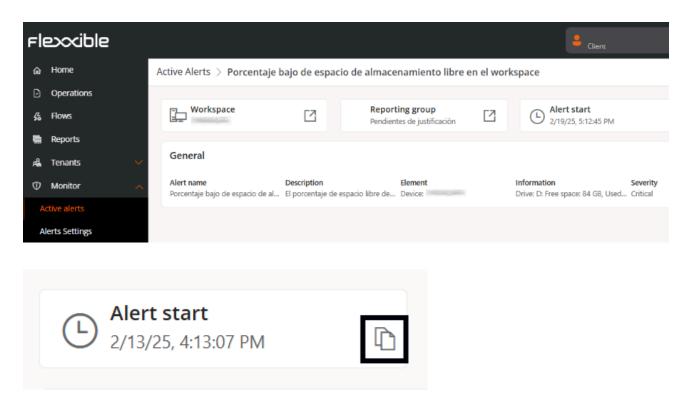
- Workspace: type of device where the alert is recorded
- Severity: alert severity level (*Informative*, *Warning*, and *Critical*). Please check <u>Alert</u> <u>severity</u> for more information.
- Alert name: name assigned to the alert
- Information: description of the alert
- Start date: day and time when the alert is recorded
- Notification date: day and time of the alert notification
- Item: name of the device where the alert is recorded

#### () INFO

From this view, client-type organizations can also view alerts generated on their suborganizations' devices.

## Alert detail view

Clicking on the alert name provides access to its specific data. The information's format allows for easy reading and offers the possibility of copying each element of the content.



# Portal / Monitor / Alert Configuration

This section allows you to view in detail the alerts that could be activated on the user's device and to know the status of said alerts in the rest of the organization. From this section, you can also create new alerts based on the events (event logs) of the system of the device in use.

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ඬ Home ⊵ Operations	🝀 Flexxible - Alert	s Settings				
율 Flows Reports 육 Tenants	+ Create <table-cell> Export 🖒 Refres</table-cell>	Category: Any	√ Filter			
D Monitor  Active alerts	Name 1 :	Severity 1↓	: Category 14	: î↓Threshold	Threshold unit $  \downarrow $	: : îl Authorized time.
Alerts Settings	Boot duration Critical event log FlexxAgent not reporting	Critical     Critical     Awarning	Performance Event Logs FlexxAgent	90	seconds	_
🗄 Patch 🗸 🗸	High CPU usage for Workspace	Warning     Warning	Performance	80	%	
	High User input delay	▲ Warning	Performance	350	milliseconds	Page Size: 50 V

The Alert Settings list view shows a table with the list of alerts that could be activated on the device. The fields of the table contain the following information:

- Name: name of the alert
- Severity: alert severity level. Refers to the impact of an event on the system. The severity levels can be consulted <u>here</u>.
- **Category**: name of the category to which the alert belongs. The categories can be consulted <u>here</u>.
- Threshold: in figures, the limit that defines the condition to trigger an alert.
- Threshold unit: unit of time, percentage, or megabytes that complements the threshold figure.
- Authorized time (minutes): maximum allowed time for a condition before a system alert is generated.
- **Repeat every (minutes)**: time that will elapse before sending a new alert if the condition persists.

• Enabled: indicates whether the alert is enabled or disabled.

# Create a new alert setting

At the top of the main Alert Settings view, the New button allows a user to create a new alert based on the information provided by the events (event logs) generated in the device's system.

Create Alert settings		×
Name *		
Enter name		
Description		
Enter description		
Severity *		
Warning		$\sim$ )
Category *		
Select category		$\sim$
Repeat every (minutes) *		
0		
Threshold *	Threshold unit *	
720	Minutes	$\sim$
Mail list		
Enter mail list		
	imes Cancel	+ Create

The form requests the following information:

- Name: name of the new alert
- **Description**: text that defines the meaning of the alert
- Severity: allows you to choose the alert severity level. The severity levels can be consulted <u>here</u>.
- **Category**: allows you to choose which category the alert belongs to. The categories can be consulted <u>here</u>.
- **Repeat every (minutes)**: time that will elapse before sending a new alert if the generating event has not been resolved
- Threshold: in figures, the limit that defines the condition to trigger an alert.
- Threshold unit: unit of time, percentage, or megabytes that complements the threshold figure.
- Email recipients list: email addresses of the users who will receive an alert notification. They must be separated by commas.
- Alert message: alert notification message that the email recipients will receive.
- Event ID: figure that identifies an event in the events (event log). An alert will be issued when an event with that ID is generated.
- Search text: text string that will trigger an alert when it appears in the device's event log.
- Source: part of the system where the event generating the alert occurs

## **Alert Severity**

The alert severity levels are divided as follows:

- Informative: the event is not critical, but system performance could be improved.
- Warning: the event could compromise system performance if not resolved soon.
- **Critical**: the event requires immediate attention as it compromises system performance.

### **Alert categories**

Alert categories indicate in which part of the devices' system events generating an alert are recorded. They are divided as follows:

- Connectivity
- FlexxAgent
- Hardware
- Performance
- Events logs
- Security
- Printing
- Storage

## **Detail view**

To see the alert details, click on the alert name in the table.

$= \   {\rm Alerts} \   {\rm Settings} \   >$	Multiple	e errors in event log Enabled			
∨ Overview	1	Disable Edit Delete			
Overview					
Notifications		Overview			
Active Alerts	0	Overview			
Microservices	0	Name	Description	Category	Severity
		Multiple errors in event log	The system reported many event lo	-	Warning
		Threshold	Authorized time (minutes)	Repeat every (minutes)	
		50	60	0	
		Notifications			
		Mail list			
		-			

This view shows the alert status at the top. If available, the word *Enabled* is shown with a green background, and if it's not, the word *Disabled* is shown with a grey background. Next, the Disable or Enable button will allow changing its status as needed.

### **Edit alert settings**

If you want to change some options of the alert you are viewing, the Edit button in the detail view opens the form that allows you to edit the alert settings.

Predefined alerts are created in each organization. However, through the following fields, some changes can be made as required by each organization:

- **Repeat every (minutes)**: time that will elapse before sending a new alert if the condition persists.
- Authorized time (minutes): maximum time allowed for a condition before a system alert is generated
- Threshold: in figures, the limit that defines the condition to trigger an alert.

From Edit, you can also add email addresses to define who will receive a notification when the system alert is generated. If entering more than one email address, they should be separated by commas.

# Sidebar menu

The detail view of each alert presents a sidebar menu on the left side of the screen to organize its information. It is divided into three tabs: *Overview, Active Alerts*, and *Microservices*.

### **Overview**

It shows alert data in a format that allows easy reading, as well as a **Notifications** tab that lists the emails of users who will be notified when an alert is activated on the device.

## **Active alerts**

It shows a table with the organization's devices that have the alert being consulted active. The table fields provide the following information:

Workspace: type of device where the alert is recorded Information: alert description Start date: date and time when the alert is recorded Notification date: date and time of alert notification Element: name of the device where the alert is recorded

## **Microservices**

There are alerts that could be resolved with the automatic execution of a microservice. The platform allows doing this by clicking the Link button. This action will open a form where you should indicate which microservice to associate the alert with and the time that will pass before running it again if the condition persists.

Link Microservice	×
Microservice	
Select a microservice	$\sim$
Repeat every (minutes) *	
1	

# **Portal / Operations**

The Operations section shows graphs of the three types of operations, regarding the microservices, that have been performed on the devices.

- Automated Support Action: these are the microservice executions performed ondemand from Workspaces by users who belong to the technical support teams.
- Flow Execution: these operations include the automatic executions of microservices in Flows, when conditions are met.
- User microservice: These are the executions of microservices performed by the user themselves, without needing help from the support team.

All actions leave an audit record in the <u>Jobs</u> section of Workspaces, allowing for temporal traceability of the users and devices involved, as well as the details of the code executed and the output generated.

Flexcible 🔛		My organization Organization
බ Home	Operations	
Operations		Last 30 days         V         Aul 8, 2024         Im         Aug 8, 2024         Im
56 Flows PREVIEW		
ഷ്ട്ര് Tenants 🗸 🗸	Operation Aggregates By Types	Total Operations
🖾 Workspaces 🗸 🗸	1000	1151
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In this view, two types of graphs are generated, with results related to the date range set in the top menu.

• **Operations by Type**: shows the number of operations performed by type and day, according to the selected date cycle.

• Total Operations: provides two pie charts. The upper one indicates how many operations were successful, failed, or had warnings, out of the total operations executed. And the lower one indicates the type of operations performed from that total.

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Microservice	35 🗸	Name †↓	Туре †↓	Status †↓	Module †↓	Started At †↓	Ended At ↓	User FQDN †↓	
Settings		New	Automated Support Operation	Success	FlexxWorkspaces	10/26/24, 2:02:45 AI	10/26/24, 2:02:45 AI	Inside Constitute	
		7600K	Automated Support Operation	Success	FlexxWorkspaces	10/25/24, 2:01:34 AM	10/25/24, 2:01:34 AM	Contract Constants	
		100m	Automated Support Operation	Success	FlexxWorkspaces	10/19/24, 2:02:44 AM	10/19/24, 2:02:44 AM	Transform - Longitude -	
		Here:	Automated Support Operation	Success	FlexxWorkspaces	10/18/24, 10:36:18 AJ	10/18/24, 10:36:18 AI	Contract Contractory	
		Terminalization -	Automated Support Operation	Success	FlexxWorkspaces	10/15/24, 11:02:44 At	10/15/24, 11:02:44 At		
		< Previous Page 1	of 1 Next > Showing 1 to 5	5 of 5 results				Per page: 50	~

Operation List displays a table with details of the executed operations, specifying the type of operation, from which module they were carried out, and the start and end times. At the bottom of the view, there is a bar that allows you to navigate between pages, to see the details of all executions.

# **Portal / Flows**

This functionality allows creating automation flows designed to detect specific situations on devices. Through the evaluation of certain conditions, the system determines whether the corresponding actions should be executed based on the obtained result.

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	Home			- Flows						
⊡ ‰	Operations Rows	PREVIEW	+ Create 🔞 Export 🕻	) Rofresh						2
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	Monitor		Name 11	Description 1	Туре 🏗	Detection only 11	Cooldown 11	Enabled 11	Action	
ъ s	Workspaces Patch	YREVEW V	100.000		Workspace	Yes	5 minutes	Enabled     Enabled	View Detail	
	Analyzar	MENEW V	10.00	and the second second	Session	No	42 minutes	Disabled	View Detail	
-	Microservices	PREVIEW ¥	-		Workspace	Yes	25 minutes 30 minutes	Enabled     Disabled	View Detail View Detail	
0	Settings				Workspace	No	10 minutes	Disabled	View Detail	
			-		Workspace	Yes	1 minute	Enabled	View Detail	
			and the second s		Workspace	Yes	1 hour	Enabled	View Detail	
			< Previous Page 1	✓ of 1 Next > 4	Showing 1 to 8 of 8 results				Per page: 60	~

Flows simplify proactive diagnostic actions, quickly solve issues when there's a focus on their detection, and provide a very efficient way to enable self-remediation mechanisms over common problems. It also allows technical teams to couple devices to configurations defined by the organization, evaluating them periodically and adapting them if necessary.

The overview of Flows shows the list of flows created within the organization. The information gathered in the table is as follows:

- Name: indicates the name of the flow.
- Description: indicates the purpose of the flow.
- **Type**: it is the execution scope of the flow, determined by the type of microservice to be executed. It can be done at the user session level, with the corresponding permissions, or at the device level, with administrative access.
- Detection only: evaluates conditions in a "sampling" mode. Detects those devices where the conditions are met but does not execute the microservice defined in the

flow.

- **Reuse time**: marks the minimum time that will pass, once the evaluated condition is met, for that evaluation to be executed again.
- Enabled: indicates whether the flow is Enabled or Disabled.
- Action: contains the View Details button, which allows customizing the behavior of the flow through the following options: <u>Overview</u>, <u>Destination</u>, <u>Flow</u>, and <u>Notification</u>.

#### () INFO

In the top right corner of the flow detail view, there is a button that allows you to enable or disable it.

## **Overview**

Fle	عكناه	2 📖			My organization	Change: Citrl + K Default: Citrl + D	Organization Admin	
Ð	Home Operations Rows	PREVIEW	Eixes >	Trains Techground				Disable
-			Overview Target Flow Notification					
	Monitor Workspaces		Description			Status • Enabled		
	Patch Analyzar	PREVIEW V	Type Session Cooldown	Version 18 Detection only		Created at 10/30/24, 6:23:26 PM		
	Microservices Settings	PREVIEW V	1 hour	Yes	Edit	Updated at 11/6/24, 6:01:28 PM		
-								

Stores general information of the flow.

- Description: indicates the purpose of the flow.
- **Type**: it is the execution scope of the flow, determined by the type of microservice to be executed. It can be done at the user session level, with the corresponding permissions, or at the device level, with administrative access.

- Version: indicates the version number of the flow; each time it is edited, the counter increases by 1.
- **Reuse time**: marks the minimum time that will pass, once the evaluated condition is met, for that evaluation to be executed again.
- **Detection only**: evaluates conditions in a "sampling" mode. Detects those devices where the conditions are met but does not execute the microservice defined in the flow.
- State: indicates whether the flow is enabled or disabled.
- Created on: shows the creation date of the flow.
- Update Date: shows the update date of the flow.

### Edit and delete a flow

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₽	Operations		Name (english) *					
络	Flows	PREVIEW					S	how languages
	Reports	PREVEW	Description (english) *					
s <b>ä</b> i	Tenants						S	how languages
Ø	Monitor		Type * Session		Cooldown *			1h
₽	Workspaces							
ė	Patch	PREVIEW V	C Detection only	48 10				
Ø	Analyzor	PREVIEW 🗸						
ø	Microservices	PREVIEW 🗸				i Delete	Cancel	🗟 Save
0	Settings	~						

Using the Edit button, you can change the name, description, and reuse time of the flow.

- The Detection Only checkbox allows you to activate or deactivate the Detection Only execution mode, in which the compliance with the conditions defined in the flow is evaluated, but the microservice is not executed.
- The Delete button allows you to delete a flow.

# Target

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Ð	Operations		Configure converts ME Tearry buckers and			Disable
络	Flows	PREVIEW	Configure conjunction and matrix subsequences			
-	Reports	PREVIEW	Overview Target + Flow Notification			
Æ	Tenants					
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2	Analyzer	PREVIEW 🗸	Workspace groups * Intune Devicep			
¢	Microservices	PREVIEW V				
\$	Settings	~				

This setting allows you to define the device groups in which the flow will be executed. It supports the following configuration options:

- All devices
- A custom selection of devices
- One or more device groups
- One or several reporting groups

## Flow

From here, you can define the conditions to evaluate, the required thresholds, and the action that will be executed if those conditions are met.

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ធ៌	Home		Over	view	Targ	et	Flo	w	No	tifica	tion																																		
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### **Flow conditions**

These conditions allow triggering actions within the flow. All the conditions described below are compatible with the Windows operating system.

#### Existence of an ongoing process

Periodically checks if there is a process running, at configurable intervals between 15 seconds and 5 minutes.

#### Detected Windows event log record identifier

Searches for specific events in the Windows Event Viewer, at intervals of 5 to 20 minutes.

Events are identified by the format:

<logName>:<source>:<id>

Example: Application:my\_app:101, where:

- Logname = Application
- Source = my\_app
- id = 101

🗢 🔿 🙍 📰 📓 🖬								
Visor de eventos (local)	Aplicación Número de	eventos: 28.970				A	cciones	
<ul> <li>Vietas personalizadas</li> <li>Vietas personalizadas</li> <li>Eventos administrativos</li> <li>Reguridad</li> <li>Instalación</li> <li>Sistema</li> <li>Eventos reenviados</li> <li>Registros de aplicaciones y s</li> <li>Suscripciones</li> </ul>		Fecha y hora 99/09/2024 18:26:28	Origen my_app		Categoría de Ninguno	×	Crear vista personalizada Importar vista personalizada Vaciar registro Filtrar registro actual Propiedades Buscar	
	Este es un error demo Nombre de registro: Origen: Id. del Nivel: Usuario: Código de operación: Más información:	Aplicación my_app 101 Error FLEXXIBLEV/zani Información Ayuda Registro de eventos	elevante pero nos hao Registrado: Categoría de tarea: Palabras clave: Equipo:	09/09/2024 18:26:28			Guardar todos los eventos como Adjuntar tarea a este registro Ver Actualizar Ayuda vento 101, my_app Propiedades de evento Adjuntar tarea a este evento Copiar Guardar eventos seleccionados Actualizar	) ) )

#### **Operating system version**

Gets the operating system version at intervals between 1 and 12 hours, using operators that allow comparing if the value is equal, starts with, ends with, or contains a specific string.

#### Operating system language

Detects the operating system language at intervals of 1 to 12 hours, using operators that allow comparing if the value is equal, starts with, ends with, or contains a specific string.

#### Operating system disk free space percentage

Evaluates the free disk space, allowing setting a target percentage. It is checked at intervals of 5 to 60 minutes.

#### **Cron Match**

Checks if the current date and time match the schedule defined graphically in the *Value* field. If there is a match, the scheduled action will be executed.

- **Check every**: specifies the frequency with which the system will evaluate whether the schedule is met. This value must be adjusted according to the indicated schedule.
- Value: allows configuring the schedule, periodicity, and recurrence that will determine when the action will be executed.

The form allows defining a *Recurrence Pattern* with the following options:

- **Daily**: indicates at what time and every how many days the action should run, as well as if it should only be performed from Monday to Friday.
- Weekly: lets you define at what time, how many weeks apart, and on which days of the week the action will run.
- Monthly: sets the time and day of the month when the action will run.
- Interval: determines every how many minutes the action will run within a day or a specific time range.
- **Custom Cron**: allows you to manually enter a string in standard cron format, useful for custom and advanced configurations.

	Cron Match	×
	Check every * 5 minutes Value * Every 25 minutes, between 08:00 AM and 07:59 PM, only on	
		Wednesday, Thursday, and Friday
Course Mattels Knowy 25 minutes, between 18100 AMI an.	Recurrence pattern Daily Weekly Monthly Interval Custom cron	Run every 25 minute(s) Run all day Run in interval of hours From To 8 19 hour(s) On the Monday V Tuesday Vednesday Thursday Friday Saturday Sunday

At the top of the form, a (text) summary of the configured schedule is displayed to confirm it is the desired one.

### () INFO

The hours are defined according to the time zone of the user editing the Cron Match, except in the case of a *Custom Cron*, where the hours are specified in standard UTC (Coordinated Universal Time).

#### Actions

Once the conditions are evaluated and according to the obtained values, one or more actions can be executed. In this section, all the microservices enabled in your subscription will be displayed to select and include them in the flow.

# Notification

Flexcible 🔡	Charps: Cirit + K Charps: Cirit + K Default: Cirit + B Organ	Ization Admin
ය Home	Etows >	
Operations	Excellence composite ME Transa background	Disable
A Rows PREMEW	condition realization and present resolutions	
Reports PROVIDE	Overview Target • Flow Notification •	
🔏 Tenants 💉		
🛈 Monitor 🕓	x	Cancel 🔄 Save
🗈 Workspaces 🕓	User notification 🗾 Active	
🖹 Patch 🛛 🛤 🔍	Initial text (english) *	
🛛 Analyzor 🛛 🛤 🗸 🗸	Configuring corporate MS Teams background	Show languages
Microservices PREVIEW	Success text (english) *	
Settings	Successfully configured corporate MS Teams background	Show languages
	Error text (english) *	
	Error to configure corporate MS Teams background	Show languages

This parameter is optional and can be disabled. Allows notifications to be sent to users at the start and end of the flow execution, using the operating system notifications. Once enabled, you can set:

- Initial message: will be sent to users when the execution begins.
- Success message: will be sent to users on successful execution.
- Error message: will be sent to users on execution with errors.

### () INFO

A configuration change in an existing flow can take up to 15 minutes to apply to all linked devices.

### 💭 ТІР

For more information on how to create a flow, please check this guide.

# **Portal / Reporting**

The report system provided by Portal allows users whose role is Organization Administrator to generate predefined reports with relevant data from their organization's device fleet to review them on screen or send them by email to other users.

# **Considerations about the reports**

- Reports are automatically generated once a week.
- Historical reports will remain available in Portal for two months.
- The automatic sharing of reports can be configured so that when the necessary email addresses are provided, the report is sent weekly.

Type: Any Y Filter		
V Inventory (3)		
Contraction of the second seco	Control Contro	Workspaces Inventory         Entire list of Workspaces         existing in your organization         and your Tenants.

# **Report inventory**

Portal offers three types of predefined reports:

- Office 365, Chrome and Adobe Workspaces Inventory
- Office 365 Versions List

• Workspaces Inventory

### **Office 365, Chrome and Adobe Workspaces Inventory**

This report shows the usage tracking, versions, and licenses of Office 365, Chrome, and Adobe on the devices. The report table offers the following information:

- Host number: device name
- Serial number: device serial number
- CPU cores: number of central processing unit cores
- RAM: total amount of RAM memory (in megabytes)
- Disk used (%): percentage of system disk usage
- Total disk capacity: total disk capacity (in gigabytes)
- Operating system: type of operating system
- Microsoft 365: installed Office version
- Google Chrome: installed version of Google Chrome
- Adobe Acrobat: installed version of Adobe Acrobat
- Last user: user of the last session detected on the device
- Created on: report execution (creation) date
- Last report date: execution (creation) date of the last report

### **Office 365 Versions List**

This report generates a list of Office 365 versions installed on the organization's devices and for each one provides the number of devices containing it.

### **Workspaces Inventory**

This report shows a list of the existing devices in the organization and those of its tenants. The table offers the following information:

- Name: device name
- Domain: Active Directory or EntralD domain to which the device belongs

- Last user: user of the last session detected on the device
- Device type: Physical or Virtual desktop
- Operating system: name of the operating system
- Motherboard manufacturer: name of the motherboard manufacturing company
- Motherboard model: name of the motherboard model
- BIOS manufacturer: company that manufactures the basic input/output system (BIOS)
- Processor: processor name
- CPU cores: number of central processing unit cores
- Compliance: policy applied to the device
- Hypervisor: type of hypervisor detected on the device
- Broker: type of broker detected on the device
- Antivirus: name of antivirus detected on the device
- Antivirus status: status of the antivirus on the device
- BIOS mode: BIOS mode
- Organization: organization the device belongs to
- Client version: version of FlexxAgent installed
- Country: country where the device is located
- Created on: date of device creation in Portal
- CrowdStrike active detections: active detections of CrowdStrike
- CrowdStrike status: Installed and running, Not installed or Unknown
- CrowdStrike version: version number of CrowdStrike installed on the device
- Subnet: subnet where the device resides
- Default gateway: default gateway
- Desktop type: for VDIs, defines the type
- EDR: type of Endpoint Detection and Response (EDR) detected on the device
- Farm/Cluster: for VDIs, shows the farm it belongs to
- Delivery group: for VDIs, shows the delivery group it belongs to
- Fast Startup: shows if the device has Fast Startup enabled
- FLXMID: device identifier
- IP address: IP address number detected on the device

- Intel AMT compatible: indicates if the device is compatible with Intel AMT
- Is portable: indicates if the device is portable
- Total RAM (GB): total amount of RAM (in gigabytes)
- Number of days since last Windows update: indicates the number of days since the last Windows update
- Number of pending updates: indicates the number of pending updates
- OS Build: operating system build number
- Operating system manufacturer: name of the operating system manufacturer
- Operating system version: operating system version number
- OU: organizational unit of the domain where the computer account resides
- Platform type: Windows, Linux, Mac, etc.
- Windows type: Workstation or Server
- Encryption: indicates if BitLocker disk encryption is active
- Pending restart: indicates if the device has a pending restart due to updates
- IoT Hub configuration sync: Synchronized or Not synchronized
- Custom field 01: shows the content of the first custom field
- Custom field 02: shows the content of the second custom field
- Last reboot: date of the device's last reboot
- Last Windows update: date the last Windows update was applied
- Report group: report group to which the device belongs

## Generate a report

Reports are automatically generated once a week, but if the user needs a current one, they should select the desired report from the inventory and click the Generate new report option.

Next, in organizations with dependent tenants, a modal window will open asking you to select the tenant for which the report is needed. Once chosen, click Generate.

The table with the list of reports will show the details of the newly generated report with the following information:

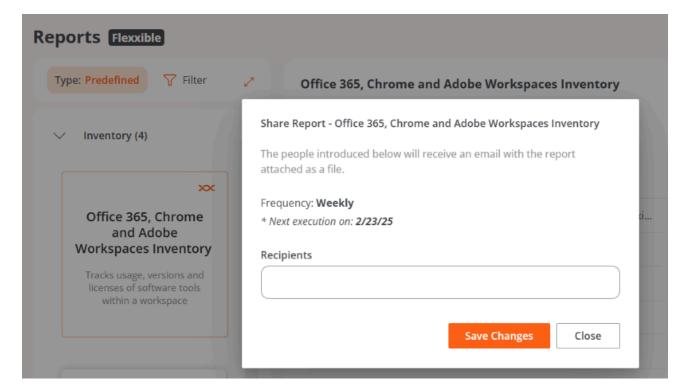
- **Created on**: Date and time when the report was generated. By clicking this option, the user can access a table with the report content.
- Author: User who generated the report.
- Expires on: Date and time when the report expires.
- Status: Report status (Available, Generating, or Expired).
- Actions: Access to an actions menu for the reports.
  - View details: Displays a table with the report content.
  - Download Excel: Downloads the report in Excel format.
  - Download CSV: Downloads the report in CSV format.
  - Delete report: Deletes the report.

			🐞 My orga			zation Admin	
Reports Flexible							
Type: Predefined V Filter	Sections and wave tools						
V Inventory (4)	T.	+ Generate new report	🖁 Share 🙁 Refresh				
×	н.	Created at	Author	Expires at	Status	Actions	
Office 365, Chrome					<ul> <li>Generating</li> </ul>		^
and Adobe Workspaces Inventory		2/16/25, 1:00:17 AM		4/17/25, 2:00:17 AM	<ul> <li>Available</li> </ul>		
Tracks usage, versions and licenses of software tools	0	2/5/25, 12:05:21 PM	the contract of the second second	4/6/25, 1:05:21 PM	<ul> <li>Available</li> </ul>		
within a workspace		12/20/24, 1:10:46 PM	Net. Then you have a financial with	2/18/25, 1:10:46 PM	<ul> <li>Available</li> </ul>		
		12/20/24, 1:10:04 PM		2/18/25, 1:10:04 PM	<ul> <li>Available</li> </ul>		
×		12/19/24, 4:13:35 PM	Net the protection in the set	2/17/25, 4:13:35 PM	<ul> <li>Available</li> </ul>		
		12/9/24, 11:13:36 AM		2/7/25, 11:13:36 AM	Expired		

Generated reports are saved and can be downloaded up to sixty days after creation.

### **Report delivery**

To share a report, select the desired one and, at the top of the table, click the Share option. The selected report can be sent to one or more users via email with a weekly frequency.



# Portal / Tenants

Through Tenants, organizations operating in the Managed Service Provider (MSP) model have the ability to establish subsidiary entities that they can support whenever they require it.

These entities are other organizations, which in Portal adopt the name of Tenants. Tenants are assigned a profile type that describes them as an organization. Therefore, all tenants belong to a type of organization.

# **Types of organizations**

Portal distinguishes three types of organizations, establishing relationships between them:

- Partner-type organizations
- <u>Client-type organizations</u>
- <u>Suborganizations</u>

### Partner-type organizations

• They have the authority to grant administrative access to client-type organizations (tenants) that depend on them.

### **Client-type organizations**

- They have the option, if they wish, to segment their organization into multiple suborganizations to facilitate delegated administration.
- They can always see their entire set of workspaces, regardless of who has been delegated the management.
- They have the option to apply a Policy for the creation of their suborganizations from a template, which will help them configure multiple users, reporting groups, and accesses.

- They can link their instance of Analyzer to their suborganizations or assign them a new one.
- They have their own configurations.
- Several client-type organizations can have the same partner as a service provider.

### **Suborganizations**

- These are subdivisions of a complex organization, management units established according to the implementation requirements.
- They are very helpful in very large environments, with wide user distribution and multiple service providers or highly segmented technical teams.
- They do not have a subscription by themselves; they use the subscription of the client-type organization that manages them.
- Each suborganization can only see its information in Workspaces. They cannot access the information of other suborganizations or of the client-type organization that manages them.
- They inherit the configuration of the client-type organization that manages them, although it can be edited. They also inherit the FlexxAgent configuration, but this is not editable.

#### () INFO

Client-type organizations can create suborganizations at a lower level. Suborganizations cannot be created from another suborganization.

## List of tenants

The list view shows a table with the list of organizations (tenants) whose administration is delegated. It includes information about the Flexxible product they have, their policy, and creation date.

The View Details button opens a form that allows you to change the name of the tenant and delete it.

Flexxible III				Ĩ	My organization	(Ctrl + K) 🗸	Organization Admin	1
	🛍 Tei	nants						
Operations		nants						
<sup>2</sup> / <sub>6</sub> Flows ■REVIEW	🕂 Create 🔞 Export 💍 Refresh							2
🔏 Tenants 🔨 🔨	Search by term	Y Filter						
Tenants								
Activation	Name †↓	Product 11	Policy †↓	Creation date 🕆	Action			
🗈 Workspaces 🗸 🗸	Contraction of the local distance of the loc	FXXOne	FxxOne estándar	4/23/24	View Detail		1	
🗐 Patch 🛛 🛤 🗸 🗸	L Mart Designer (Par Personal )	FXXOne	FxxOne estándar	3/7/24	View Detail			
🗘 Microservices 🗸 🗸	<ul> <li>Head Televise</li> </ul>	FXXOne	FxxOne estándar	3/20/24	View Detail			
Ø Settings	L Instanti	FXXOne	FxxOne estándar	5/6/24	View Detail			
	1 mm	FXXOne	FxxOne estándar	3/6/24	View Detail			
		FXXOne	FxxOne estándar	3/12/24	View Detail			
	< Previous Page 1 v of 1	Next > Showing	1 to 40 of 40 results				Per page: 50	~

The New button allows you to create a new tenant; for this, you must enter, in addition to the previous data, an email address, language, country, sector, product, and region. It also gives the option to assign a <u>Policy</u>. The Export button allows an excel file to be downloaded with the list of current tenants. And Reload gives the option to update the table after entering new data.

### **Tenant interface**

If the user clicks on the name of a tenant in the table, the Portal interface will automatically switch to the Home page of the selected tenant's Portal. This action is very useful because it speeds up the consultation of data from one organization or another.

Portal will not revert to the default organization, even if the page is refreshed. To go back, there are three options:

- Do Ctrl + D (Cmd + D on Mac).
- Do Ctrl + K + 0 (Cmd + K + 0 on Mac).
- Directly select the default organization (My organization) from the Organization Selector, located at the top of the interface.

In the Organization Selector, you can differentiate tenants from suborganizations. These are prefixed by the name of the client-type organization that manages them. For example: *Client A > Suborganization-01*.

# **Portal / Tenants / Activation**

Activation allows Managed Service Providers (MSPs) to evaluate the evolution of FlexxAgent installations or deployments in client organizations where they have delegated administration.

The list view table shows the names of the tenants. If it is a sub-organization, its name will be preceded by the name of the organization that manages it; for example: *Client A > Sub-organization-01*. This nomenclature is adopted because sub-organizations inherit the FlexxAgent configuration from the client organization that manages them.

The table also indicates the Flexxible product owned by the tenant, the type of organization it corresponds to, and time indicators that help to understand the evolution of FlexxAgent adoption in the organization.

The time indicators offered by the table are *90 days ago*, *60 days ago*, *30 days ago*, *7 days ago* and *Yesterday*. Each field specifies the number (units) of active agents at that particular moment.

Flexxible 🗰						💼 🐂	organization	(Ctrl + K)	<ul> <li>✓</li> <li>Organiz</li> </ul>	ation Admin
	Activation									
Operations	👰 Export 🕐 Refresh									1
යි Flows PREVIEW	Search by term		₽ Filter							
Tenants	Neme †↓	Product 11	Туре ↑↓	Status 11	90 days a <u>c</u> †↓	60 days aç 🛝	30 days ag 🏗	7 days age 🕄	Yesterday 치	Creation d 11 Deletio
Activation	Constant Const - Oppose	FXXOne	🚼 Partner	<ul> <li>Active</li> </ul>	0	0	0	0	0	3/12/24
🗟 Workspaces 🗸 🗸	Transport Concerning on	FXXOne	End customer	<ul> <li>Active</li> </ul>	67	62	67	70	72	3/12/24
🛱 Patch 🛛 PREVNEW 🗸	Transfer Concerningen	FXXOne	End customer	<ul> <li>Active</li> </ul>	16	15	15	15	15	3/13/24
🗘 Microservices 🗸 🗸	Statistic Cont Span.	FXXOne	End customer	<ul> <li>Active</li> </ul>	9	9	9	9	9	3/22/24
🕲 Settings 🗸 🗸	Tradition Concerning to	FXXOne	End customer	<ul> <li>Active</li> </ul>	17	17	16	18	18	3/26/24
	Constant Constanting	FXXOne	End customer	<ul> <li>Active</li> </ul>	0	0	0	0	0	5/9/24
	A second se	EVVOna	End customer	<ul> <li>Action</li> </ul>	0	0	0	R	61	40/H2/D4
	< Previous Page	1 ~ of 3	Next > Showing 1 to	50 of 125 results						Per page: 50 V

Activation also offers the option to search for tenants and the alternative to apply filters to the list of results according to different parameters, such as company name, the product they have, and the type of organization. From Export you can download the list view in excel format.

In cases where the organization is composed of suborganizations, in the activations view it will be possible to check the activations by suborganization in a simplified way. The first line of the list will show the number of agents in the Parent organization followed by the total number of agents in all suborganizations in parentheses. The information for each suborganization will be represented in the following format Parent organization > Suborganization on the following lines:

exxible									e Client			
Home	1	Activations										
Operations		🚯 Export 🕚 Refresh										
		Search by term	▼ Filter									
Tenants	~	Name †	Product 11.	Type †↓	Status 1).	90 days ago ‡	60 days ago 🟗	30 days ago †1	7 days ago 🟗	Yesterday 11	Creation date 11	Deletion date 1).
nants			FlexoClient	End customer	<ul> <li>Active</li> </ul>	28,382 (28,382)	28,656 (28,656)	27,807 (27,807)	0 (20,317)	895 (27,757)	2/28/24	
			Flexic lient	End customer	<ul> <li>Active</li> </ul>	0	0	0	676	683	12/12/24	
Monitor	~	the second second	FlexxClient	End customer	<ul> <li>Active</li> </ul>	0	0	0	56	58	12/12/24	
Workspaces	~		Rex Elect	End oustomer	<ul> <li>Active</li> </ul>	0	0	0	3,840	2,675	12/12/24	
Patch 🛤	INTRA 🗸	-	Flexiclient	2 End customer	<ul> <li>Active</li> </ul>	0	0	0	304	306	12/12/24	
Analyzer 🛤	enew) 🛩		Flexa Client	End customer	<ul> <li>Active</li> </ul>	0	0	0	0	320	12/12/24	
Microservices 🛤	enew 🗸		Flexiclient	End customer	Active	0	0	0	0	197	12/12/24	
Settings	~	-	FlexxClient	💄 End customer	<ul> <li>Active</li> </ul>	0	0	0	0	304	12/12/24	
			ReorClient	End oustomer	<ul> <li>Active</li> </ul>	0	0	0	4,053	4,084	12/12/24	
		-	FlexorClient	2 End customer	<ul> <li>Active</li> </ul>	0	0	0	594	597	12/12/24	
			FlexorClient	End oustomer	<ul> <li>Active</li> </ul>	0	0	0	0	958	12/12/24	
			FlexorClient	End customer	<ul> <li>Active</li> </ul>	0	0	0	0	703	12/12/24	
			FlexxClient	End customer	<ul> <li>Active</li> </ul>	0	0	0	240	242	12/12/24	
			B ReorClient	Lend customer	. Action	0	0	0	1053	1150	12/12/24	

### **Tenant interface**

If the user clicks on the name of a tenant in the table, the Portal interface will automatically switch to the Home page of the selected tenant's Portal. This action is very useful because it speeds up the consultation of data from one organization or another.

Portal will not revert to the default organization, even if the page is refreshed. There are two options to return:

- Do Ctrl + K + 0.
- Directly select the default organization (My organization) from the Organization Selector, located at the top of the interface.

# **Portal / Workspaces in Portal**

Workspaces allows users to have an overview of the status of each of the organization's devices. Everything that happens with the devices in the Workspaces module can be accessed from this section.

The general view of Workspaces in Portal shows a table listing the organization's devices, along with the following information:

- Name: device name
- FQDN: domain name associated with the device
- IP Address: IP address of the device
- Operating System: the device's operating system
- CPU Cores: number of CPU cores the device has
- RAM: amount of RAM the device has, in megabytes (MB)
- Type: type of device (Physical or Virtual)
- Last User: name of the last user who used the device

### **Device detail view**

To access specific data about a device, click on its name. Next, at the top of the view, you will see the current status: *Online* (green background) or *Offline* (gray background).



Online

The detail view is divided into the following tabs:

- Overview
- Installed applications
- Current active alerts
- <u>Operations</u>
- <u>Sessions</u>

- Windows Services
- <u>Disks</u>
- <u>All reporting groups</u>
- PnP Events
- PnP Errors
- Group Policy (GPO)
- Boot history
- Installed updates
- Pending updates

#### **Overview**

At the top of this view, a group of cards provides easy access to specific data about the selected device: *Status, Operating System (OS), Type, User, Connection, IP Address, FlexxAgent version* and *FlexxAgent last report.* 

					Change: Ctrl + K Organization Admin Default: Ctrl + D
Workspaces >	-	Online			
Overview		Power actions 🗸 Notification a	ctions 🗸		
General					
Device		Status		OS	Туре
Resources		Online		Vicrosoft Windows 11 Pro 24H2	Physical device
Connectivity					
Security			ntel vPro Enterprise	Connection	
Patching		<u></u>	intel	Not Supported	Wifi
OS				-	
FlexxAgent		IP Address		FlexxAgent Version 25.1.2.1	FlexxAgent Last report 2/7/25, 11:54:58 AM
Extended					L(1)L) (101007111
installed Apps	105	General			
Active Alerts	0				
Operations	0	Name	Domain	OU	Connection Time
Sessions	1	Last User	flexxible.com	RAM	2/7/25, 8:42:59 AM Code
Windows Services	287	Last User	17 %	RAM 14.09 GB (45%)	- Code
Disks	3	Description	Uptime	Idle Time	Last Restart
Reporting Group History	0		4d 2h 48m 37s	-	2/3/25, 9:53:11 AM

Next, ten sections offer detailed information:

- 1. General: device identification, usage, and connection
- 2. Device: hardware description of the device

- 3. Resources: space resources in use on the device
- 4. Connectivity: type of connectivity and addresses associated with the device
- 5. Security: data about the device's security solutions
- 6. Update: update status of the operating system and the target
- 7. OS: type, version, and location of the operating system
- 8. FlexxAgent: general status of FlexxAgent on the device and information about its reporting group
- 9. **Expanded**: data about the motherboard and the device's Basic Input Output System (BIOS)
- 10. Virtualization: hypervisor, broker, and more data about the virtual device, if applicable

From Overview, the user can copy the desired information by hovering over the element.

Resources				
CPU Cores	Total RAM 31.67 GB	Page File Space 2 GB	<b>Page File</b> C:\pagefile.sys	
System Disk Usage 71 %	<b>Total Hard Disk Size</b> 138.2 GB free of 476.9 GB			

### **Installed** apps

This tab shows a table with the list of applications installed that FlexxAgent has found on the device being consulted.

		My organization       Change: Ctrl + K Unit of Change: Ctrl + K Unit of Change: Ctrl + D Unit of Ctrl + D Unit of Change: Ctrl + D Unit of Ctrl + D Unit	
Workspaces >	-	Online	
> Overview		Power actions $$	
Installed Apps	105		
Active Alerts	0		
Operations	0	📵 Export 💛 Refresh	
Sessions	1		
Windows Services	287	Search by term <b>Filter</b>	
Disks	3		
Reporting Group History	0	Name Î ː Publisher Î↓ ː Version Î↓ ː Installed at Î↓ ː Install location Î↓ ː Last m	ер
		Adobe Acrobat (64-bit)         Adobe         24.005.20399         2/3/25         C:\Program Files\Adobe\A         2/7/25	^
		Aplicaciones de Microso Microsoft Corpora 16.0.18227.20222 4/12/24 C:\Program Files\Microsof 2/7/25	
		Aplicaciones de Microso Microsoft Corpora 16.0.18227.20222 4/12/24 C:\Program Files\Microsof 2/7/25	
		Aplicaciones de Microso Microsoft Corpora 16.0.18227.20222 12/30/22 C.\Program Files\Microsof 2/7/25	
		Asistencia rápida Microsoft Corp. 2.0.0 9/13/24 C:\Program Files\Window 2/7/25	
			*
		K < Page 1 of 3 → X 1 to 50 of 105 results Page Size: 50 ▼	

#### The information includes:

- Name: name of the application installed on the device
- Publisher: company that developed the application
- Version: version of the application
- Installed On: date it was first reported on the device
- Installation location: folder where the application is located
- Last Report: date it was last reported on the device

#### **Active alerts**

This section displays a table with the list of active alerts found on the device being queried.

	My organization       Change: Ctrl + K       Organization Admin         Default: Ctrl + D       Default: Ctrl + D
Workspaces >	Online
> Overview	Power actions $\checkmark$ Notification actions $$
Installed Apps 113	
Active Alerts 3	
Operations 0	😢 Export 🖒 Refresh
Sessions 0	Search by term
Windows Services 274	Y Hiter
Disks 5 Reporting Group History 0	Severity ↑ ː Alert name ↑↓ ː Information ↑↓ ː Alert start ↑↓ ː Date notified ↑
Reporting Group History	O Critical Low storage free space % Drive: C: Free space: 28 G 2/2/25, 6:44:27 PM 2/2/25, 6:44:27 P
	O Critical         Boot duration         Boot duration 151 seconds         2/7/25, 12:14:07 PM         2/7/25, 12:14:08
	▲ Warning Workspace with Plug and Workspace with 1 Plug an 12/17/24, 5:13:11 AM 12/17/24, 5:13:12
	I< < Page 1 of 1 ⇒ ⇒I 1 to 3 of 3 results Page Size: 50 ▼

The information includes:

- Severity: severity level (Critical, Warning or Informative)
- Alert name: name that identifies the alert. You can click on it for more details.

Workspace		Reporting group FlexxClient		L Alert start 2/2/25, 6:44:27 PM	
General					
Alert name Low storage free space % for Wo	Description		nent	Information Drive: C: Free space: 28 GB, Used F	Severity

- Information: description of the alert
- Start date: day and time when the alert is recorded
- Notification date: day and time of the alert notification
- Item: name of the device where the alert is recorded

### Operations

This section displays a table with the list of Operations registered on the device being queried. The information includes:

- Operation name: type of operation performed on the device
- Status: status of the operation (Successful or Failed)
- Created on: date and time the operation was created
- Start date: date and time the operation started
- End date: date and time the operation ended
- Owner: email of the user who performed the operation

### Sessions

This section displays a table with the list of sessions registered on the device being queried. The information includes:

- User: name of the user who has logged into the device
- Session type: type of session started (*Device* or *Application*, for virtualized application sessions)
- Windows session ID: Windows session identifier
- Connection status: session connection status (Disconnected or Active)
- Start date: session start date and time
- **CPU usage**: percentage of processor usage by the session, excluding resources used by other sessions or system processes
- **RAM usage**: amount of temporary memory used by the activities and applications of a specific user during a session
- **RTT usage**: time it takes for a data packet to travel from the user's device to a remote server or destination and back to the user

### Windows services

This section displays a table with the list of Windows services registered on the device being queried. The information includes:

• Display name: name of the programs running in the background

- Status: status of the Windows services (Running or Stopped)
- Startup type: how the service has been activated (Automatic, Manual or Disabled)
- Log on as: log-on mode
- Accept stop: whether the Windows services accept to stop or not (*Yes* or *No*)

### Disks

This section displays a table with the list of disk partitions registered on the device being queried. The information includes:

- Device ID: device name
- Name: name of the main disk partition
- Encryption: indicates whether the device is encrypted or not, or if no value is available (N/A)
- Encryption method: indicates the encryption method
- Volume label: name assigned to the disk
- Total size: in megabytes, total disk space
- Used size: in megabytes, used disk space
- Percentage used: in percentage, used disk space
- OS unit: unit possession (Yes or No)
- Location: disk location path
- Partition: indicates the number of storage divisions the disk has

### **Reporting groups history**

This section shows a table with a list of **Reporting Groups** to which the device currently belongs or has belonged. The information includes:

- Source: reporting group from which the device originates
- Destination: reporting group to which the device is entering
- Assignment type: Manual or Automatic assignment
- Requested date: date and time of the device's reporting group change

### Plug and Play (PnP) events

This section shows a table with a list of the PnP events that have been logged on the device that is being queried. The information includes:

- Action: state of the hardware component (printer, mouse, etc.) in relation to the device (Plugged in or Unplugged)
- Date: last PnP update recorded by FlexxAgent
- User: user currently using the device
- Description: hardware component connected to the device
- Device ID: identification code of the hardware component connected to the device

### Plug and Play (PnP) errors

This section shows a table with a list of the PnP errors that have been logged on the device that is being queried. The information includes:

- Name: name of the hardware component connected to the device
- Update date: last PnP update recorded by FlexxAgent
- Class: type of hardware component connected to the device
- Device ID: identification code of the hardware component connected to the device

## Group Policy (GPO)

This section shows a table with a list of GPOs that have been logged on the device that is being queried. The information includes:

- Display name: name assigned to the policy
- Last application time: date and time of the last policy application

### **Boot history**

Through a chart, this section shows the boot time log of the device that is being queried.



### **Installed updates**

This section displays a table listing the installed updates on the device that is being checked. The information includes:

- Installation date: date when the update was installed on the device.
- KB: unique identifier of the Microsoft update package
- **Product**: name of the product to which the update is applied
- Severity: level of urgency detected for executing the update (*Critical, Important, Moderate, Low, Unspecified*)
- Arrival date: release date of the update
- Category: category assigned to the update

### **Pending updates**

This section displays a table listing the pending updates on the device that is being checked. The information includes:

- KB: unique identifier of the Microsoft update package
- Product: name of the product to which the update is applied
- Severity: level of urgency detected for executing the update (*Critical, Important, Moderate, Low, Unspecified*)
- Arrival date: release date of the update
- Category: category assigned to the update

#### () INFO

The Workspaces section in the Portal is informative. Actions on the devices must be performed from the <u>Workspaces</u> module.

# **Portal / Workspaces / Workspace Groups**

Home		8 West				
Operations		🛍 - Work	space Groups			
Flows	PREVIEW	🕂 Create 🔞 Export 🕐 Refresh				
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The Workspaces Groups make the device management process easier for organizations, allowing them to group devices according to shared characteristics or specific criteria to monitor statistics more thoroughly and execute effective actions.

There are three types of groups:

- <u>Static</u>
- <u>Dynamic</u>
- Entra ID

## **Static Workspaces Group**

It is a group created manually, with free criteria. It can be created and managed from Portal and from the Workspaces module, by filtering the Workspaces list option.

## **Dynamic Workspaces Group**

It is a group in which some condition is periodically evaluated; for example: "devices with more than 85% memory usage", so its members can change in real-time. It is very useful when you want to apply specific actions on them, such as microservices to solve a specific problem. They are created from the Workspaces module, by filtering the list of Workspaces.

#### () INFO

Dynamic Workspaces Groups evaluate the compliance of a defined condition every 60 minutes, due to this, they are not recommended as a user session detection mechanism.

## **Entra ID Workspace Group**

It is a group that can pull members from an existing group or organizational unit in the Entra ID domain in use. The creation of this type of group requires at least one active integration with the Entra ID domain, within Settings->Integrations, in Portal.

### **Group management**

The list view of Workspaces Groups contains information about the group's name, type, Entra ID characteristic, and the number of devices they contain. View details shows the detail view of the selected group.

In the details view of a group, at the top, there are five tabs to access more information:

- Details
- <u>Workspaces</u>
- <u>History</u>
- Location
- <u>Schedule</u>
- <u>Synchronizations</u>

### **Details**

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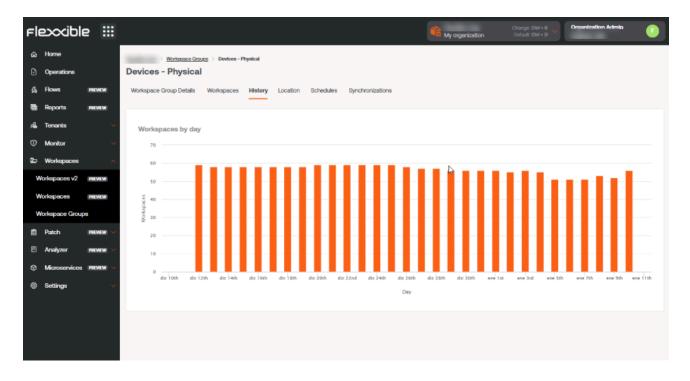
Shows the same data as the list view, as well as the group's creation date and the user who created it. The Edit button allows changing the workspace name, adding a description, or even deleting it.

#### Workspaces

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3 Home	> Workspace Gro								
Operations	Ballon Physics								
Flows PREVIEW	Workspace Group Details	Workspaces Hist	tory Location Sci	hedules Synchronizations	8				
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				Microsoft Windows	8	7915	Physical device		
	4								÷
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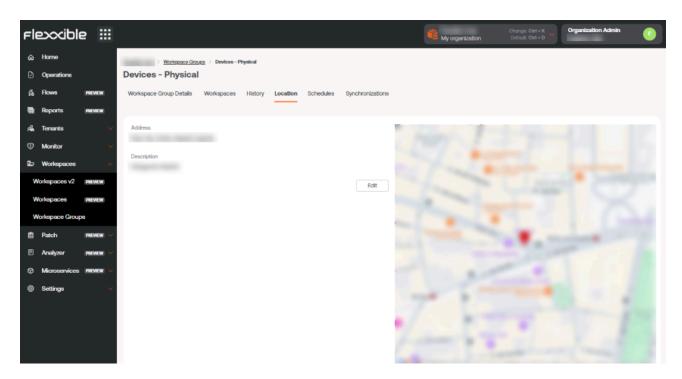
Shows a table with a list of the workspaces that make up that group. Provides information about the Fully Qualified Domain Name (FQDN) of the device, IP address, operating system, CPU cores, Random Access Memory (RAM), type (physical or virtual), and the last user. The options Import Workspaces and Edit are only available for static workspace groups.

### History



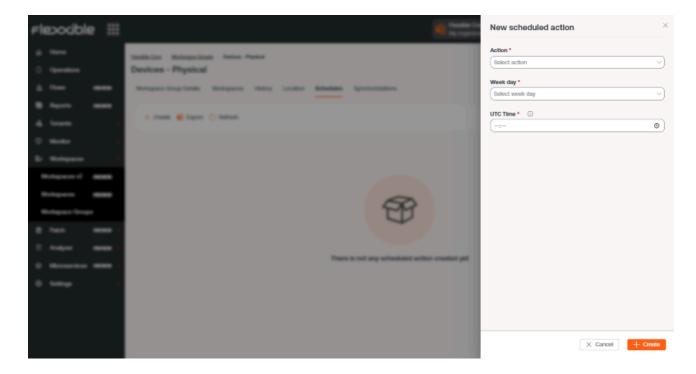
Displays a bar chart with the daily amount of workspaces that have made up the group over the last month. You can zoom in on the chart for better reading by selecting the bars you want to enlarge with the mouse. Using Reset zoom, the information returns to its original state.

### Location



Allows associating GPS coordinates with the workspace group to relate it to a point on the map. This value is just a reference, it does not update if users change location.

### Schedule



From this tab, you can schedule the power on (Wake on LAN) or the automatic shutdown of a group of workspaces. If the user wants to schedule one of these actions, they must

click on the New button and fill in the form fields for Action, Day of the week, and Time UTC.

- Action: allows you to choose between Wake on LAN or Shutdown.
- Day of the week: allows choosing which day of the week the action will be performed.
- UTC Time: allows you to specify the exact time to start the action, using the Coordinated Universal Time standard. The created action will then be displayed in a table, with columns showing the information entered in the form, as well as which user created the action and who updated the schedule and when. From View details you can edit and delete the scheduled action.

Date 11	Entra ID workspace 🗓	Workspaces added 11	Workspaces removi 🏗	Existing workspace $\uparrow\downarrow$	Workspaces not for $\uparrow\downarrow$	Duplicated workspa 11	Execution time 11	Action
	118	0	0	57	61	7	0.901 s	View Detail
	118	0	0	57	61	7	0.374 s	View Detail
	118	0	0	57	61	7	0.631 s	View Detail
	118	0	0	57	61	7	1286 s	View Detail
	118	0	0	57	61	7	0.975 s	View Detail
	118	0	0	57	61	7	0.726 s	View Detail
	118	0	0	67	61	7	0.441 s	View Detail
	118	0	0	57	61	7	0.296 s	View Detail
	118	0	0	67	61	7	0.763 s	View Detail
	118	0	0	57	61	7	0.414 s	View Detail
	118	0	0	67	61	7	0.694 s	View Detail
	118	0	0	57	61	7	0.748 s	View Detail
	118	0	0	57	61	7	0.758 s	View Detail

#### Sync

This tab is only visible when the group type is Entra ID. Displays a table with details of the synchronizations performed with information about:

- Date and time of the sync.
- Entra ID Workspaces: total number of elements in the Entra ID group or organizational unit.
- Added Workspaces: number of workspaces added to the group.

- Deleted Workspaces: number of workspaces deleted from the group.
- Existing Workspaces: number of workspaces already in the group.
- Not Found Workspaces: number of workspaces not found in the group; that is, workspaces that, although they are part of the Entra ID group or organizational unit, cannot be added to the group because FlexxAgent is not installed.
- Duplicate Workspaces: number of duplicate workspaces in the group, if any.
- Execution Time: the time required for synchronization.
- Action: allows viewing a table with synchronization information for each device in the group.

### **Create groups**

They can be created from Portal and from Workspaces.

#### **Create a static Group of Workspaces from Portal**

At the top of the list view of Workspaces Groups, click on New. A form will open where you will be asked to add a name and a description for the new group.

Create workspace group	>
Name *	
Please enter text here	
	)
Description	
(	

There are two ways to add devices to a static workspace group from Portal:

1. In the groups table, click on Detail View of the desired group -> Workspaces -> Import devices. A form opens that allows importing up to 20,000 workspaces.

Flexooble III		Import Workspaces
A men C Constant A Team men A Team M	Andream Annual A	Workspace,1 workspace,2 workspace,3
Maringan Materia Maringan Inger		1/20000
		X Cancel + Import

2. In the groups table, click on Detail View of the desired group -> Workspaces -> Edit. Next, select the devices you want to add. Those marked with an orange dot are added to the group and those not marked are removed. In both cases, click on Save to keep the changes.

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### **Creating a Static Workspaces Group from Workspaces**

In the side menu of the Workspaces module, go to the Workspaces option. Select the desired devices in the list view and save them in a new group by clicking on My filters -

> Workspace group -> Save as workspace group.

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Level 2 >				(manhinese)	Not reporting	-		0 %	0 %	~	

#### **Creating a Dynamic Workspaces Group**

From the list view of Workspaces, in the Workspaces module, right-click any field in the table to access <u>Filter builder</u> and choose the necessary filters to get a list with the devices that will form the new group. You can also choose filters from My filters -> Default filters or from any filtering option offered by the Workspaces view.

Flex	WORKSPACES						1	odos los tenants 🔹 🖓		Cerrar sesión
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With the device list ready, go to My filters -> Workspace group -> Save as dynamic workspace group. Workspaces will not allow creating a group if the filters for the devices are not specified first.

Workspaces will create a Job with the new group. If you want to check that it has been correctly formed, you can do so from the list view of Workspaces Groups, in Portal.

### **Creating an Entra ID Workspaces Group**

Entra ID groups are created from Portal. In the side menu, go to Workspaces Groups. Click on the New button located at the top of the list view. A form will open where you must add a name, a description for the group, and activate the Entra ID button. Next, select the type of group to be created: Entra ID Group or Entra ID Administration Unit.

Flexocible III				Create workspace group $\qquad \qquad \qquad$		
:	C Timelin Work	npace Groups		Name * Please enter text here		
4	+ Crash @ Super () Saltan		Description Please enter text here			
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E Austo annual II E Austo annual II	A* 381	-	1	Entra ID group		
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	Sector Sector	tens				
				× Cancel + Create		

Entra ID groups require an API connection, which can be configured from Portal -> Settings -> Integrations. Only from there can the created Entra ID Group and Entra ID Administration Unit be consulted and therefore operations can be carried out on them from the Workspaces module.

## **Group editing**

Depending on their typology, group editing is detailed in the following points.

### **Editing a Dynamic Workspaces Group**

To change the filters of a dynamic workspace group, and therefore the members of that group, the following steps must be followed:

- 1. Search for the group name in the Filter by workspace group search box located in the Workspaces list view.
- 2. Right-click on any field in the table with the list of workspaces to access the <u>Filter</u> <u>builder</u>. From there you can choose the new filters for the group. Please note that Workspaces will overwrite the original filters; that is, it will remove all old filters and replace them with the new ones. Press OK.
- 3. With the new device list, go to My filters -> Workspace Groups -> Save as dynamic workspace group. It is important to save the group with the same name it had before so a new group is not created.

### **Deleting a Workspaces Group**

In the list view of Workspaces Groups, in Portal, click on Detail View of the desired group. In the Group Details tab -> Edit, a form will open with the Delete option.

#### () INFO

For more information on how to create or manage Workspace Groups, please refer to this guide.

# **Portal / Microservices**

Microservices allow you to create, package, and publish scripts so the technical teams in the organization can easily execute them. This also allows initial support levels to delegate their execution, so that user requests can be efficiently handled and the most frequent problems solved.

The created microservices can be executed on the devices themselves, with local administrator permissions or with user session permissions.

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Þ	Workspaces							<b>^</b>
齟	Patch	PREVIEW V		1	•			- 1
Ŷ	Microservices	•		List Installed User	40	Windows Update - No	Windows update - with	
8	Settings			Certificates This script lists the certificates installed in the user's local trunk and displays their name, certificates. Certificates	Borrar cache Teams This script cleans Teams caches. Collaboration	restart This script applies realiable Windows updates without rebooting the system. Updates	reboot This script applies available Windows updates by rebooting the system. Updates	
_								*
			< Previous	Page 1 V of 1 Next >	Showing 1 to 46 of 46 results		Per page:	50 ~

They can also be scheduled to run at the most opportune time. They even support event or alert triggers, which can be used as a self-remediation mechanism when a problem is detected.

## **Microservices management**

Microservices have several configuration options that modify their behavior; for instance, it can change depending on whether the script runs from the user session or from the local administrator.

### **Activation in Portal**

To activate a microservice and have it available for execution in Workspaces, go to Marketplace in Microservices of Portal. From there, after exploring and finding the microservice of interest, it can be enabled with the button located in the top right corner of the interface.

After a few seconds, the microservice will be visible in <u>Workspaces</u> and can be executed on the devices.

### **Microservice creation**

To create a new microservice, go to the Designer section and click on New. The wizard will open, asking to enter the following information:

- Microservice name
- Icon color
- Microservice icon
- Brief description of what the microservice does
- The language it is developed in
- Version number
- Scope of execution, you can select at system level (administrative access) or session level (with user identity)
- Operating system it is designed for
- Category: directory or group of microservices accessible from Workspaces where this microservice will be hosted
- Time efficiency achieved with each execution

#### () INFO

The microservice name should not contain special characters (like \ / : \* ? " < > and other language-specific characters for certain keyboard distributions) if the microservice will be used as an end-user microservice.

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ŵ	Home		Create new microservice (1/4)				
۵	Operations		Name (english)		Library *		
窈	Flows	PREVIEW	Enter the name of the microservice (english)	Show languages	Fleedble Corp		
唏	Tenants		Colour		leon		
ь	Workspaces		Select the color of the microservice icon	~	Select the icon of the microservice	~	0
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	Audit log						1
			Operating system * Enter the operating system of the microservice	<u></u>	Category (english) Enter the category of the microservice (english)	Show languages	
			Efficiency *		(		
			Enter the number of minutes that the microservice saves				

### States of the microservices

Microservices have three states:

- Enabled
- Disabled
- Archived

#### Considerations about the code to use

Although microservices allow the execution of any CMD or PowerShell command on Windows devices, the sent commands will be executed from the local administrator or the user session, depending on the assigned scope. This can mean that some cmdlets do not have the expected output in relation to the execution performed; therefore, if a script is being made in PowerShell, a series of considerations should be taken into account:

- It is recommended that the installed version of PowerShell on the devices is the same as the one used to develop the microservices.
- The microservices can be executed under the user session identity or from the local administrator.

- Execution from the local administrator: in Scope you can configure Applies to Workspaces or Applies to servers, which makes it much easier to interact with processes, services, and act with administrative permissions on the device, but it can complicate accessing specific user or session information.
- Execution from user session: in Scope you can configure Applies to user sessions, which is very useful for accessing user information such as the registry, information contained in the profile, etc. It should be noted that the script will be executed with the permission level that the user has, so if the user is not a local administrator, there will be certain limitations when acting at the system level.
- When we want to display a message in the microservice output, it is recommended to use the cmdlet "Write-Output" instead of "Write-Host".
- The output of the execution can be consulted in the details of the <u>Job</u> generated in the execution.

### Ways to consume microservices

Microservices can be created and enabled in Portal, and from there be configured to be executed by the end-user, launched through a Flow or to be executed with automated or support actions from Workspaces.

### **End-user execution**

In Portal -> Enabled by clicking on a microservice you access its characteristics. In the Recipients tab -> Execution from Workspaces the execution permissions of the microservice in Workspaces are shown. Next, in End-user execution, you can see if the microservice has the option enabled to be run by the end user. If so, it shows the user's name and the number of devices where it's available.

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ŵ	Home		Overview Script	Targets Settings	License				
₽	Operations								
绤	Flows PRM		FlexxWorks	paces execution					
煸	Tenants								
Ŀ	Workspaces			Allow to execute	Allow to execute (individually)				
Ô	Patch Pieve	ew ~	L3	~	~				
Ø	Microservices	^	L2	~	~				
5	Enabled		ы	~	~			Edi	_
G	Marketplace							Eu	-
M	Designer		End-user ex	ecution					
R	Audit log			Coulon					
			End-user execution	m					
			Lisabled						_
								Edi	t

If the option Execution by the end user is activated, the microservice will add a button on the user's device home screen, so that it can be executed in a quicker and more direct way.

#### () INFO

For more information on how to enable a microservice for the end user, please refer to <u>this guide</u>.

The microservice name should not contain special characters (like \ / : \* ? " < > and other language-specific characters for certain keyboard distributions) if the microservice will be used as an end-user microservice.

ſ'		
	Q Buscar aplicaciones, configuraciones y documentos	
	Todos	Imacenadas
	F	
	- Fienible	Licencia
	Borrar Cache Google Chrome	Icono
	🐱 Desinstalar AnyDesk	
	🐱 Limpiar disco (incluye caches de Spotify)	Versión
		1
		Contexto
		Sesión
		Categoria
		Red (57)
		O
	i 📮 🍳 💐 📴 💶 🖨 👰 🚺	

A configuration change to an existing end-user microservice can take up to 15 minutes to apply to all linked devices.

### **Execution through a flow**

Flows is a feature that can be configured in Portal. It allows creating automation flows and executing a microservice automatically when certain conditions are met on the device.

Its main feature is that, through the execution of a microservice, it simplifies proactive diagnostic actions and quickly solves problems when there is a focus on their detection. In the <u>Flows</u> section, you can get more information about its features and configuration.

### **Execution from Workspaces**

From the <u>Workspaces</u> module, any microservice that has been previously enabled in Portal can be executed. To do this, the user must go to the <u>Workspaces</u> or <u>Sessions</u> tab and

select the devices they want to apply the microservice to.

Microservices will be available from the Workspaces tab when they have been previously configured to run at the system level. And from Sessions when in their configuration the option to run at session level has been selected.

The ability to execute certain microservices will depend on the role or permissions the user has on the platform.

Flex							$\Diamond$		Log Off
Level 1 V	Workspace				(	0	AVD Of	erations •	$\langle \rangle$
Workspeces	Active alerts: - [Warning] Workspace w	vith Plug and Play errors: Worksp	pace with 2 Plug and play errors				Browsers Certificates	•	
Sessions	General						Cleaning	•	
Connection Logis	Name	Summary status On	Power state On	FlexxAgent version 24.9.1.3	RexxAgent status	Fle 07.	Connectivity CustomFields	•	
D jobs	Connection	Subnet	MAC address	Network changed			Intune Java	Delete Java	Caches
L. Akens	🖗 Ethernet						Mail	Delete Java Ca	ches
	Sessions 1	Last user	Connected from	Connection time 30/10/2024 12:05	Domain		Office	,	
	Code ①						Printers SCCM		
Level 2 >	code (i)						System		

# **Portal / Microservices / Enabled**

Enabled shows a list of the microservices that are activated for the selected organization, they can be viewed in block form or table form.

Flexxible 🔢		My organization	(Ctrl + K) V Organization Admin
ය Home	Enabled microservices		
Operations	(b) Export (1) Refresh (1) Blocks		2
S Flows PREVIEW	Ø Search by term		
ස් Tenants 🗸 🗸			
🗈 Workspaces 🗸 🗸			i i
🛱 Patch 🛛 PREVIEW 🗸	1		
Ø Microservices ^	List Installed User	Windows Update - No	Windows update - with
🗳 Enabled	Certificates Borrar cache Teams This script lists the certificates This script clases Teams caches.	restart This script applies available Windows	reboot This script applies available Windows
Marketplace	instaled in the user's local truck and displays their name, certificate. Certificates	updates without rebooting the system. Updates	updates by rebooting the system. Updates
Designer			
🖹 Audit log			
	< Previous Page 9 of 1 Next > Showing 1 to 46 of 46 results		Par page: 60 V

By clicking on the name of the microservice you can see specific information about it, such as the author, creation date, type of license and efficiency, which is the estimated time the user will save when running the script. It is also possible to access the code, with the possibility to clone it and even edit it.

Fle	excible III			My organization	(Ctrl + K) V Organization Admin
ŵ	Home	Enabled microservices > Clear Google Chrome's Cache			
Ð	Operations	Clear Google Chrome's Cache			
绍	Flows PREVIEW				
扁	Tenants 🗸 🗸	Overview Script Targets Settings License			Go to designer Clone Disable
Þ	Workspaces 🗸 🗸				
â	Patch PREVIEW V	Description This script clears Chrome's history, caches, and cookies.	G	0	Author
Φ	Microservices ^		9		
ය	Enabled	Language PowerShell	Version 6	E	Published 3/6/24
<b>P</b>	Marketplace		Context		010121
M	Designer	Scope Workspace	Session		License MIT License
	Audit log	Operating system	Category		MIT License
		Windows	Browsers (57)	c	Category Browsers

Another way to access the list of enabled microservices is from the <u>Marketplace</u> section (in block view), where each microservice will show its status: a green dot if it is

enabled and a grey one if it is not.

Enabling a microservice makes it visible and opens the possibility for it to be executed from the Workspaces module, either from the Workspaces tab (system context) or from the Sessions tab (session context), depending on how the microservice has been configured in Portal.

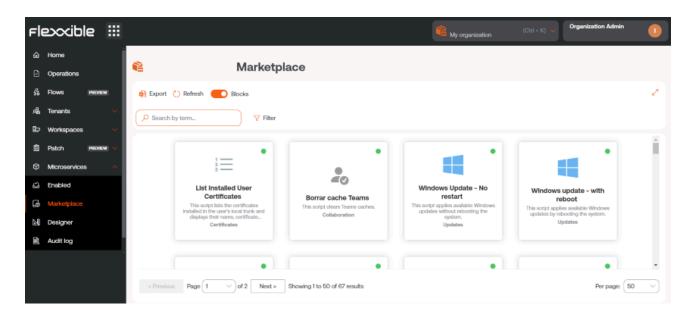
#### **End-user execution**

When a microservice is enabled, the user has the option to add a button for that microservice on their device's Home screen. To do this, you have to enable the End user execution option from Recipients, once you have selected the microservice you want to manage.

# **Portal / Microservices / Marketplace**

Marketplace offers a great number of microservices that can be used without deep computer knowledge, as they are ready to be enabled and executed instantly.

The overview of Marketplace shows microservices in block or table format. In both cases, a green or gray dot is shown next to the microservices. If it's green, it means the microservice is enabled and can be run directly from the <u>Workspaces</u> module. And if it is gray, it means it is pending activation.



To enable a microservice, just select the desired microservice and click the Enable button.

To run a Marketplace microservice, it must be done from the Workspaces module.

#### 25.4 / FXXOne Documentation / FXXOne

Flex	×w	ORKSPACES							Flex	xible Team	- 0	) fzani@flexxib	le.com Cerrar sesión
Nivel 1 ~ Panel de control de experiencia de usuario	Work	spaces			<u>□</u> � <b>()</b>			· 📀			Mis filtros		earch $\wp$ Operaciones •
_		Plataformas	Máquina †	Tenant del GR	Estado	Último usuario	Sesiones	CPU	% de RAM	Tiempo activo	Código	Estado	Conexión
Sesiones			DESKTOP-NCLOVHL	Flexxible Team	Sin reportar	DESKTOP-NCLOVHL\EXO	0	0 %	0 %		Bigote		
Registros de conexión			DESKTOP-OM7GPTN	Flexxible Team	Sin reportar	DESKTOP- OM7GPTN\Mabel	0	0 %	0 %				
Trabajos		<b></b>	FLX-02-001- 037.ad.flexxible.com	Flexxible Team	Encendido	FLEXXIBLE\fzani	1	4 %	52 %	7h 42m		$\oslash$	Ŷ
! Alertas			🕛 ideapad	Flexxible Team	Sin reportar	IDEAPAD\luzma	0	0 %	0 %				
Almacenamiento			! Raven	Flexxible Team	Sin reportar	RAVEN\Fede	0	0 %	0 %				
de perfiles			v15g2	Flexxible Team	Sin reportar	V15G2\yami	0	0 %	0 %				
Nivel 3 >	< ,	Count=6				ß						Page size	20 -

# **Portal / Microservices / Designer**

Designer allows access to all information related to existing microservices, such as the author, script, execution dates, problem it solves, or type of license; but above all, it allows creating new microservices.

### **Microservice creation**

To create a new microservice, from the overview view, click on New. The wizard will open, asking to enter the following information:

Fle	اطنححه	e III			My organization (Ctrl + K) 🗸	Organization Admin
ŵ	Home		Create new microservice (1/4)			
Ø	Operations		Name (english)		Library *	
56	Flows	PREVIEW	Enter the name of the microservice (english)	Show languages	Flexible Corp	~
rê.	Tenants		Colour		Icon	
₽	Workspaces		Select the color of the microservice icon		Select the icon of the microservice	~
â	Patch	PREVIEW 🗸	Description (english)			
Ø	Microservices		Enter the description of the microservice (english)			Show languages
4	Enabled		Enguage *		Version	
G,	Marketplace		Enter the language of the microservice		[1	
	Designer		Scope *		Context (for Workspace scope)	~
	Audit log					
			Operating system * Enter the operating system of the microservice	~	Category (english) Enter the category of the microservice (english)	Show languages
			Efficiency *			
			Enter the number of minutes that the microservice saves			

- Microservice name
- Icon color
- Microservice icon
- Brief description of what the microservice does
- The language it is developed in
- Version number
- Scope of execution, you can select at system level (administrative access) or session level (with user identity)
- Operating system for which it is designed.

- Category: directory or group of microservices accessible from Workspaces where this microservice will be hosted
- Time efficiency achieved with each execution

Microservices are created in four steps. Once the above fields are filled in, the application will request, as the second step, to specify the type of license it will have.

Fle	exxible	2 111		(	My organization	(Ctrl + K) 🗸	Organization Admin	
ŵ	Home		Create new microservice (2/4)	- License				
Ð	Operations							
弱	Flows	PREVIEW	License *				N Annel	⊳∣ Next
扁	Tenants		INT LOBIES	`			× Cancel	D Next
æ	Workspaces		A short and simple permissive license with cond different terms and without source code.	itions only requiring preservation of copyright and license notices.	Licensed works, modifications	and larger works m	nay be distributed und	der
â	Patch	PREVIEW	Permissions	Limitations	Co	nditions		
Ø	Microservices		<ul> <li>Commercial use</li> <li>Modification</li> </ul>	× Liability × Warranty	() I	icense and copyrig	ht notice	
۲	Settings		✓ Distribution ✓ Private use	( control of				
			HIT License Copyright (c) 2024 [Organization name] Permission is hereby granted, free of c of this software and associated documen in the Software without restriction, in to use, copy, modify, merge, publish, d copies of the Software, and to permit p furnished to do so, subject to the foll The above copyright notice and this per copies or substantial portions of the S	tation files (the "software"), to deal cluding without limitation the rights istribute, sublicense, and/or sell ersons to whom the Software is working conditions: mission notice shall be included in all				

As the third step, the application will ask to insert a description of the microservice, which accepts <u>Markdown</u> for text formatting.

#### () INFO

To set a title with Markdown, simply start the line with **# Title**. Below are some examples of Markdown syntax:

ltem	Markdown syntax	Preview
Bold	**bold**	bold
Italic	*italic*	italic
List	- List item	- List item
Link	[text](url)	text
Image	![alt](url)	ford
Code	`code`	code

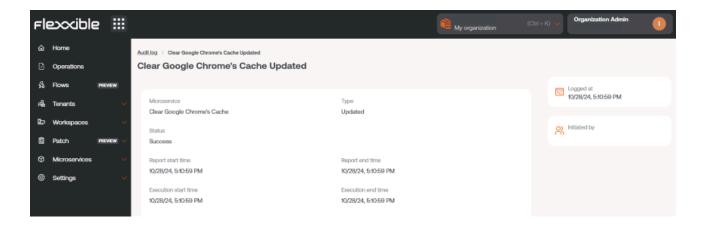
And, finally, insert the script.

#### () INFO

For running PowerShell code, make sure to consider the code considerations.

# **Portal / Microservices / Audit Log**

The audit log allows tracking the use of microservices, showing the most recent log of the start and end times of the selected microservice execution.



From the overview, you can also consult the rest of the information related to the microservice, such as its status, the script author, and the creation date.

Flexcible III			<b>i</b>	Ay organization	(Ctrl + K) 🗸 Organ	nization Admin	
බ Home	Audit log						
Departions	🟚 Export 🕐 Refresh						1
缘 Flows PREVIEW 格 Tenants · ·							
🖾 Workspaces 🗸 🗸	Microservice 11	Туре ↑↓	Status ᡝ	Initiated by $\uparrow \downarrow$	Logged at †↓	Actions	
🛱 Patch 🛛 PREVIEW 🗸	Listar redes Wifi available 👳	Activated	Success		11/3/24, 12:58:41 PM	🕑 View Detail	1
Microservices	Flush & register DNS 🕫	Activated	Success		11/3/24, 12:58:11 PM	🖸 View Detail	
ස් Enabled	List Installed User Certificates (3 <sup>50</sup>	Activated	Success		11/3/24, 12:57:45 PM	🖸 View Detail	
Marketplace	Windows Update - No restart (99	Activated	Success		10/31/24, 12:42:14 PM	View Detail	
🕅 Designer	Clean Disk <sup>양한</sup>	Activated	Success		10/31/24, 10:55:53 A	View Detail	
Audit log	Get Sessions	Archived	Success		10/30/24, 1:11:46 PM	View Detail	
	Get Sessions	Deactivated	Success		10/30/24, 1:10:53 PM	View Detail	-
	< Previous Page 1 v of 7 Next > Showing 1 to 50	of 301 results				Per page: 50	~

# **Portal / Updates**

Through Updates, a user will be able to manage how, which, and when updates will be applied on the devices of the report groups of their organization.

Flexxible		Client Change: Ctrl + K Crganization Admin
යි Home	Summary	
Operations	Targets	Workspaces
ය Flows	▲ Alerts (1) ✓	① Information (1)
🔏 Tenants 🛛 🗸 🗸	Aler to (T)     Some targets have missing schedules.     Please ensure all targets have a schedule assigned. Without scheduling, the workspaces will not receive	Excellent work! All workspaces have a reporting group assigned
🖨 Workspaces 🗸 🗸	patches.	Every workspace is assigned to a reporting group.
🗯 Patch 🗸 🗸	$\odot$ Information (1) $\checkmark$	0 ~
🍄 Microservices 🗸 🗸	Excellent work! All reporting groups are currently under control. All reporting groups have a patch policy assigned.	22 total workspaces
Settings	0 % ✓ 75 % O reporting groups without a patch policy Fix	Workspaces without Reporting Group

### **Patching management features**

- They are essential to keep systems updated and secure because they significantly reduce the chance of a cyberattack.
- They solve known vulnerabilities, which minimizes the risk of security breaches that could compromise sensitive data and technological integrity.
- They ensure the stability and optimal performance of operating systems and applications.
- They fix errors, resulting in a smoother and more productive work environment. This translates to fewer interruptions and an overall increase in organizational efficiency.
- Many regulations require organizations to keep their systems updated to protect against threats; in this sense, patch management facilitates regulatory compliance and contributes to business continuity.

### Patching management considerations in Portal

- Allows scheduling time windows for performing update processes.
- It is available for devices with Windows operating systems. Includes Windows 10, Windows 11, Office 365, Office 2019, Microsoft Edge, Microsoft Defender, Drivers, etc. Does not include patching Windows server roles.
- Allows managing updates of Microsoft components. Optionally allows selecting which ones to install on the device.
- The functionality is aimed at environments where there is no prior patch management system.
- Allows auditing update processes to manage exceptions and errors.

#### () INFO

Activating patch functionality in an environment that already has an update system running could create conflicts or unexpected behaviors. It is recommended to maintain a single active patch system.

#### FlexxAgent behavior in patch management

FlexxAgent is responsible for executing the update process and validating which patches should be installed and which should not according to the policy configured by the user in Portal. If FlexxAgent does not detect any directive for the application of updates, it will execute patches as they become available, according to the device's own configuration.

If a user decides to deny the installation of a patch, but FlexxAgent finds that update on the device, in the next update process FlexxAgent will try to uninstall it, although it should be noted that there are patches that the operating system does not allow to uninstall due to their nature.

#### () INFO

If the device has a system proxy, it must allow communication with Windows Updates.

# **Portal / Updates / Summary**

Summary shows a panel that describes the status of patch application on the organization's devices. From this view, you can get quantitative information about two aspects:

- <u>Recipients (Targets)</u>
- <u>Workspaces</u>

### Targets

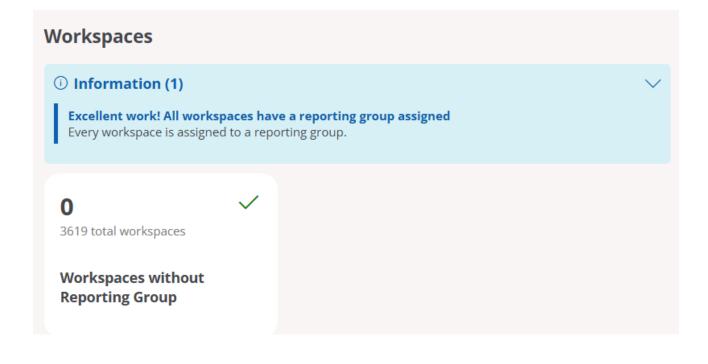
This panel shows the percentage of reporting groups in the organization without a defined patch policy, as well as the percentage of targets without a configured schedule.

When it is detected that there are report groups without an associated patch policy or targets without a configured schedule, an alert warning is displayed (in orange); and when the cause of the warning is resolved, an informative alert is displayed (in blue).

Targets							
🛆 Alerts (2)	$\sim$						
	<b>Reporting groups without a patch policy assigned</b> Please assign a patch policy to all reporting groups.						
Some targets have missing schedule Please ensure all targets have a schedu patches.	<b>is.</b> ule assigned. Without scheduling, the workspaces will not receive						
50 %	75 %						
5 reporting groups	3 targets						
Reporting groups without a patch policy	Targets without a schedule						
Fix	Fix						

#### Workspaces

This panel informs about the organization's devices without an assigned reporting group. When FlexxAgent detects this type of devices, a warning notice (in orange) is shown; when all devices have an assigned reporting group, it is indicated through an informational notice (in blue).



# Portal / Updates / Reporting groups in patch management

Reporting groups classify devices according to their functions, departments, or locations. When they are assigned a target to configure their patch policy, an organization ensures coverage of its entire computer network.

At the top of this section, you can see an information panel showing the total number of devices that are part of the organization, divided according to their operating system.

<b>317</b> î	Þ	<b>306</b> <sup>()</sup>	4	<b>11</b> <sup>(i)</sup>	۵
Total workspaces		Windows workspa	ces	Linux workspaces	

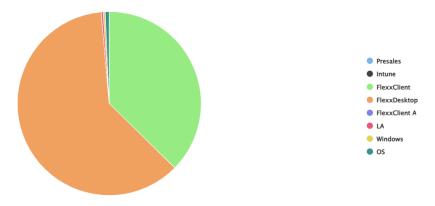
#### () INFO

A reporting group can only have one target, but a target can be applied to more than one reporting group.

### Total devices per reporting group

At the bottom of this section, this panel indicates the distribution of devices in an organization according to the reporting groups that FlexxAgent has identified.

Total workspaces by reporting group  $\odot$ 



# **Portal / Updates / Targets**

Through Targets, you define when, to whom, and how updates are applied. Allows creating, configuring, and deleting patch policies on devices that are part of specific report groups within an organization.

Flexxible		Ĩ	My organization	Change: <b>Ctrl + K</b> Default: <b>Ctrl + D</b>	Organization Admin	
Operations	Targets					
S Flows preview	🕂 Create 🙍 Export 🙁 Refresh					2
🖬 Reports	Search by term					
🔏 Tenants 🛛 🗸						
🗈 Workspaces 🗸 🗸	Name ᡝ	Reporting Groups $\uparrow\downarrow$		Has Schedule set $\uparrow \downarrow$	Actions	
🛱 Patch 🔨	Patch	Presales		$\checkmark$	🖸 View Detail	
Summary	Patch validation	OS Patch		×	View Detail	
Reporting Groups						

The overview of this section shows a table with the list of created targets, along with the following information:

- Name: name assigned to the target.
- **Report Groups**: name of the report group (it can be more than one) that will be subject to the target's patch policy.
- Has scheduled time: indicates whether the target has scheduling enabled for applying patches.
- Actions: shows the View details link, which opens a window with the <u>target details</u> and its configuration options.

### Create a new target

To create a new target and define its patch policy, click on New at the top of the table. Next, a modal window will open with a form where you must assign a name to the new target, the report groups to which its patch policy will apply (can be one or more report groups), and optionally, its linkage to a Microsoft update policy.

Patch policies are applied to report groups; it's not possible to apply a patch policy to an individual device from Portal. To force the update of a specific device, it must be done from

the Workspaces module: Workspaces -> Operations -> OS patching -> Patch OS now.

#### 💭 ТІР

For more information on how to create a new patch policy in Portal, please refer to <u>this guide</u>.

### **Target details**

From this view, you can configure the target's patch policy in two areas:

- Details
- <u>Schedule</u>

### **Details**

This tab shows the following information about the policy being reviewed:

- Name: name assigned to the target.
- **Restart after applying updates**: indicates whether the device will automatically restart when patch installation is complete.
- Wake on LAN (WoL): allows patches to be applied even when devices are suspended or turned off.
- Microsoft Update Policy: name of the Microsoft update policy that is being applied to the target.
- **Report groups**: shows the report groups assigned the patch policy.

#### () INFO

A reporting group can only have one target, but a target can be applied to more than one reporting group.

The Edit button opens a modal window that allows configuring the aforementioned aspects.

Edit patch policy target		×
Name		
Target-Docs		
Reporting Groups *		
RT RP Training ×		
Microsoft patch policy		
Select Microsoft patch policy		$\sim$
Restart after patching i		
Wake on LAN 🛈		
🖻 Delete	$\times$ Cancel	🔒 Save

The Delete button discards the target's patch policy.

Details also provides information about the creation date of the target's patch policy and the user who created it.

#### Schedule

From this section, you can schedule when updates will be applied to devices that are part of a report group. And also the established scheduling calendar.

The Edit button allows configuring the time zone and the patching time frequency, which can be limited by weeks of the month, days, and hours.

																	Edit
ecurrence								Ti	me zone								
eek 1								(U	TC) Coordi	nated Unive	ersal Time						
	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	1
Sunday																	
Monday																	
Fuesday																	
Nednesday																	
Thursday																	

#### () INFO

Automatic patch updates from Windows Update will be disabled on all devices belonging to a report group that is part of a target.

### **Update process**

The details of the update processes launched to each device can be reviewed in the <u>Jobs</u> section of the Workspaces module.

### **Portal / Updates / Microsoft patches**

This section allows you to check the available Microsoft update catalog. The table fields provide the following information:

F	exxible						My organization	Change: <b>Ct</b> Default: <b>Ct</b>	rl + K $rl + D$ $\checkmark$	Organization Admin	1
ଜ	Home	м	icrosoft	Patches							
Ð	Operations	м	icrosoft patch	list							
弦	Flows preview	-									
ഷ്ടി	Tenants 🗸 🗸		ssifications	ions	Products Select products		$\sim$	Severity Severity			$\overline{}$
Ŀ	Workspaces 🗸 🗸	L Se	ect classificat		Select products			Severity			
盦	Patch 🔨		ease Date								
		Re	elease Date	)							
S	ummary										
R	eporting Groups		КВ	Patch description		Classification	Product		Severity	Release Date	
N	licrosoft Patches		2267602	Security Intelligence Update for Microsoft Defen	der Antivirus - KB2267602 (	Definition Updates	Microsoft Defer	der Antivirus	-	3/18/25	
N	licrosoft patch policies			Intel(R) Corporation - System - 10.29.0.11750		Drivers	Windows 11 Clie	ent, version 22	-	3/18/25	
т	argets			Intel(R) Corporation - System - 10.29.0.11750		Drivers	Windows 11 Clie	ent, version 24	-	3/18/25	
	-			Intel(R) Corporation - MEDIA - 10.29.0.11750		Drivers	Windows 11 Clie	ent, version 22	-	3/18/25	
				Intel(R) Corporation - MEDIA - 10.29.0.11750		Drivers	Windows 11 Clie	ent, version 24	-	3/18/25	
				Page 1 v of 19718 Next >						Per page: 20	~

- **KB (Knowledge Base)**: is the unique identifier assigned to the Microsoft update package. Some drivers or firmware do not have an assigned KB.
- Review Description: link that leads to detailed information about the Microsoft update.
- Classification: shows the category that corresponds to the patch.
- Product: name of the Microsoft product to which the update applies.
- Severity: level of urgency detected for executing the patch.
- Release Date: date from which the patch is available.

At the top of the table, you can filter the list by Classification, Product, Severity and Release date.

## **Portal / Updates / Microsoft patch policies**

If from <u>Targets</u> you can define when, how, and to whom updates are applied, from Microsoft patch policies you can define what gets updated; that is, you can manage the approval or denial of the installation of one or more updates from the Microsoft catalog on an organization's devices.

### Create a new update policy

To define a new policy, you must click New at the top right of the table. A modal window will open with a form prompting you to assign a name to the new policy being created.

After clicking on Save, the name of the policy just created will appear in the table.

### Microsoft update policies table

Flexxible			Change: Ctrl + K nt Default: Ctrl + D	ation Admin
命 Home	Microsoft patch policies			
Operations				
る Flows preview	Search for a windows patch policy			+ Create
ස් Tenants 🗸 🗸	Name	Target policy ta	rgets Automatic appr	ov Actions
🖾 Workspaces 🗸 🗸	Directiva de parches		Disabled	View Detail
🛱 Patch 🔨	Docs-policy		Enabled	🖸 View Detail
Summary				

The table fields provide the following information:

- Name: name of the Microsoft update policy
- Target policy targets: targets configured with a Microsoft update policy.
- Automatic approvals: indicates whether the automatic approval settings are *Enabled* or *Disabled*.
- Actions: displays the link View Details, which opens a window with the detailed view of the Microsoft Updates Policy.

### **Detail view**

From this view, you can configure the Microsoft update policy in three areas:

- <u>Details</u>
- <u>Microsoft patches</u>
- <u>Automatic approvals</u>

### Details

This tab displays precise information about the policy being consulted:

- Name: name of the Microsoft update policy being consulted.
- Targets: list of targets linked to the Microsoft update policy being consulted.
- Creation date: creation date of the Microsoft update policy being consulted.
- Created by: user who created the Microsoft update policy being consulted.

The Edit button opens a modal window allowing you to change the name of the policy and the Delete button discards it.

### **Microsoft patches**

This tab displays a table listing the Microsoft updates available for the linked target. At the top, there are many filtering options to list available patches by Classifications, Products, Superseded, or Release Date. You can also search by character strings or by their status of Pending Approval, Approved, or Rejected.

fications	Products	Su	perseded	Re	lease date	
ct classifications	Select products		elect superseded		🛗 Mar 19, 2024	
Search patches			All Pending approval Appro-	oved Decl	ined 🗸 Approv	re X Decline
					Last updated at	3/18/25, 1:16:05 PM
КВ	Patch description	Status	Product	Severity	Release Date	Classification
2267602	Security Intelligence Update for Microsoft Defender Antivirus	<ul> <li>Approved</li> </ul>	d Microsoft Defender Antivirus	-	3/18/25	Definition Upd
0	Intel(R) Corporation - System - 10.29.0.11750	Pending	Windows 11 Client, version 22	-	3/18/25	Drivers
0	Intel(R) Corporation - System - 10.29.0.11750	Pending	Windows 11 Client, version 24	-	3/18/25	Drivers
	Intel(R) Corporation - MEDIA - 10.29.0.11750	Pending	Windows 11 Client, version 22	-	3/18/25	Drivers
	Intel(R) Corporation - MEDIA - 10.29.0.11750	Pending	Windows 11 Client, version 24	-	3/18/25	Drivers

The user can select each available update one by one and indicate whether they want to approve or reject that patch.

#### () INFO

If a user defines a Microsoft update policy, but does not manually or automatically approve or deny an update package, no patching activity (installation or uninstallation) will be generated on the devices.

### **Automatic Approvals**

Automatic approval rules can be configured for patching, even more than one within the same update policy.

To create a new rule, click on New. Next, a modal window will open asking to define the following information:

- **Classifications**: distinguishes patches according to their category (*Security updates*, *Feature packs*, *Updates*, *Critical updates*, *Drivers*, *Upgrades* and *Definition updates*).
- Products: allows selecting the Microsoft product the update applies to.
- **Days after release**: allows specifying how many days after the patch release date it will be automatically approved.

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Upgra	ades	$\searrow$
roduc	ts	
Select	products	
W	Windows 10 Creators Update and Later Servicing Drivers	Î
W	Windows 10 and later drivers	
M	Microsoft 365 Apps/Office 2019/Office LTSC	
W	Windows 10 S and Later Servicing Drivers	
WL	Windows 10 LTSB	
W	Windows 10 and later upgrade & servicing drivers	
11/1	Windows 10	

#### () INFO

Flexxible recommends setting up automatic patch approval rules whenever a new update policy is created, and not applying the new policy to the desired target until the updates intended as a starting point are approved. In this way, you can start from a scenario where all previous updates are approved for user devices.

# **Portal / Settings**

From Settings, you can access different configuration elements of the selected organization.

From there, you can manage:

- Information
- <u>Users</u>
- Products
- <u>Modules</u>
- Integrations
- <u>Reporting Groups</u>

### Information

It allows you to see the general information of the selected organization: the number of members it comprises, the contracted products, email, the type of company, and more corporate data.

### Users

From there, you can manage the users of an organization and, if applicable, those who depend on it. With the necessary permissions, you can create and modify users, assign them roles, and access levels to Flexxible modules.

More information about user management in User Management.

### **Products**

From the **Products** option, you can check the license consumption details by environment.



This section provides information about the contracted products and their associated license keys.

#### **Modules**

In Modules, the active modules in Portal are displayed, and shortcuts can be created to other tools easily; this way, the work of the support technicians is facilitated.

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ළේ Tenants	Flexxible - Modules			
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Products	≑ 🔇 Analyzer		https://west-eu-01.one.analyzer.flexxible.com/	Featured 🖸 View Detail
Modules				
Integrations		v3		
Reporting groups				
Eligible products				
Policies				

#### Integrations

You can view the integrations made through the Portal API.

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ඛ Home ශී Tenants	Flexx	ible - Integratior	າຣ				
Microservices	Api Keys					All Active	Inactive + Create
Information	Status	Key ID	Role permissions	Created by	Creation date	Last use date	Expiration date
Users	Inactive	66337524d46eb431c4ae8121	User	Fede Zani	5/2/24		5/2/25
Products	<ul> <li>Active</li> </ul>	6614028101d62119365ba10a	Organization Admin	Sebastian Prat	4/8/24	5/2/24	4/8/25
Modules	Active	65e82bf56fa0cbc58cd3a552	Organization Admin	Sebastian Prat	3/6/24	4/23/24	3/6/25
Integrations	<ul> <li>Active</li> </ul>	65e738211c5a051fd2ff5f24		PLATFORM User	3/5/24	5/2/24	3/5/25
Reporting groups	Active	65e72d213efbda168c1c451f	Organization Admin	Jesús Sánchez	3/5/24	4/8/24	3/5/25
Eligible products	Inactive	65e72d083efbda168c1c451e	Organization Admin	Jesús Sánchez	3/5/24		3/5/25
Policies	•						•
	Entra ID						
https://one.flexxible.com/organization/6439	Client ID _ 4bee52fc0c0051f17862	Vintegrations	Client Secre				

And it's possible to create new keys for the integration.

Remember that the key will only be visible during the creation of keys.

From here, you can also revoke active API accesses.

### **Reporting Groups**

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۲	Settings	^					
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U	suarios		Oficina Barcelona	Interactiva y desaten		Ve	er detalle 🛛 🗘 Descargar agente
P	roductos						
м	lódulos						
In	tegraciones						
G	rupos de reporte						

In Report Groups it's possible to preconfigure FlexxAgent groups, so they can contain devices from different locations, user groups, or other criteria. It also allows you to enable remote assistance features, as well as set permissions for users to view and manage devices in <u>Workspaces</u>.

# **Portal / Settings / Information**

This section provides specific data about the organization, such as name, reference email address, industry they belong to, and a description of the company. Additionally, on the right side of the screen, more quantitative data can be observed, such as the number of members composing it and the number of products they have contracted.

The Edit button allows you to modify the information of the organization and even its type.

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Chapter de reporte			Estado 🛑 Activo 🛛 Prueba 🕘
Production shaddless			
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Fields that can be modified:

- Organization name
- Email Address associated with this
- Type: defines the type of organization. It allows, for example, to establish the belonging of multiple Client type organizations to a Partner type organization (service provider).
- Language: allows configuring a language from the available options.

- Spanish
- Catalan
- Basque
- English
- Brazilian Portuguese
- Country: allows defining the organization's country.
- Industry: allows defining the organization's industry.
- Partner: for Client type organizations, it allows defining or modifying the partner.
- Description: allows including a descriptive text.
- Policy: allows applying a policy.
- Status: allows activating or deactivating the organization.
- Trial: allows including the organization's subscription in the trial period.

# **Portal / Settings / Users**

From the side menu, in Settings -> Users, users of an organization can be managed. This section allows you to view, modify, or create users, as well as assign them a role and set a language for their console use.

The list view presents a table with all users created for an organization. Each row shows the following data:

- Full name: user's first and last name
- Email: user's email address
- Department: department to which the user belongs within their organization
- Role: role type assigned to the user
- Email login: indicates if the user has *Enabled* or *Disabled* login to Flexxible consoles via email and password.
- Created by: name of the user who created the user whose data is being queried.
- Updated by: name and email address of the last user who updated the user information in Portal.
- View details: opens a form to edit the user's data and possibly delete it, depending on the assigned role in Portal.

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la Patch ~	Flexxible - U	sers							
<ul> <li>♥ Microservices</li> <li>♥ Settings</li> </ul>	+ Create T Import users		-mail login actions $ \smallsetminus $	💍 Refresh					2
Information Users	✓ Search by term Full name ↑↓	Filter E-mail ↑↓	Department ᡝ	Role ↑↓	E-mail login ↑↓	Created by ↑↓	Updated by ↑↓	Action	
Roles					Disabled			View Detail	Î
Products Modules	No. Color	and the second second		ingener	<ul><li>Disabled</li><li>Disabled</li></ul>			<ul><li>View Detail</li><li>View Detail</li></ul>	
Integrations	-				<ul> <li>Disabled</li> <li>Disabled</li> </ul>			View Detail	
Reporting groups	. Non-Statement State			Portal Admin	• Enabled			View Detail	v
Fleview	< Previous Page 1	✓ of 1 Next >	Showing 1 to 39 o	f 39 results				Per page: 50	~

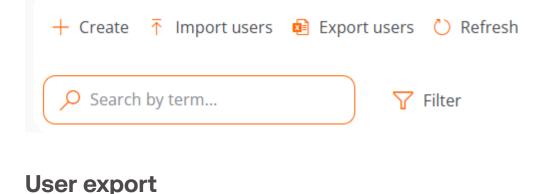
### Create an individual user

In the list view, the New button will open a window with a form to fill in the fields with the information of a new user. In addition to the name, surname, and email, you must assign a <u>user role</u> with which they can access the Portal; as well as the language they will use the console in and the department they belong to within the organization.

Flexocible						Create user	×		
8 mai	Flexxible					Name * Please enter text here			
O Monarrian V	+ Control States	e 🗮 lagartusere 🜔 Aut	Surname * Please enter text here						
0 temp - A.	p tart ty are.			E-mail *           Please enter text here					
teres and teres	And some 1	E mail 1	Department 1	Real S	Constitution	User role *	~		
Products	Aler Fadile Min Lawrence Proceeding					Language * Select language	<u> </u>		
Integrations	Also Services					Department Please enter text here			
Appending groups	Alexandra Cardella					Enable email/password login			
	-	-	Doning 1 to 20 of 20 or				× Cancel + Create		

### **Batch creation of users**

If you want to add multiple users at once, then you should click Import users. This action allows you to select a file from the device. If you want to do a bulk import, Flexxible recommends performing an <u>export</u> first to obtain the Excel file with the proper format. From there you only need to complete it with the required changes, and finally import it.



To export the user list seen in the list view, just press Export users. This action will download an Excel file with the list of organization users and their respective data.

### **User Blocking**

If an Organization Administrator wishes to block a user from accessing Flexxible consoles, they can do so from the user detail view.

In the main table, you must click on a user's name. A modal window will then open with a form that allows you to edit the user's details, displaying a Block button. Pressing it will open a pop-up asking you to confirm the user's block.

If you want to unblock a user, simply repeat the process and click on the Unblock button.

### **Additional options**

The options menu in the list view also allows Reload table, a performance-enhancing option that is very useful when you want to update the user list, especially when new ones have been created or imported from an Excel file.

The Search by term field allows more precise searches, just enter words corresponding to any user data to quickly access them.

Filter is a more complete alternative to access specific users according to the fields that correspond to their data: full name, email, department, or role.

# **Portal / Settings / Roles**

Roles allow segmenting access to organizational information or different platform functionalities according to the user who has logged in and the role they have applied. Within the same role, multiple levels of permissions can be assigned in different organizations.

Flexxible 🔛				•	My organization	Change: Ctrl + K Default: Ctrl + D	Organization Admin	C
☆ Home		Roles						
Operations     Flows PREVIEW	+ Create 👰 Export 🕐 Refre	sh						2
A Tenants 🗸	Search by term	√ Filter						
🗈 Workspaces 🗸	Name 14 Assigned	users 江 Assigned t	enani†↓ Created by †↓	Updated by †↓	Created at $\uparrow\downarrow$	Updated at $\uparrow\downarrow$	Action	
🗘 Microservices 🗸 🗸	Organization Ad	1	1 PLATFORM User	(manuface)	9/9/24	9/9/24	🖸 View Detai 🔑 Permissi 🗡	<u>^</u>
🛞 Settings 🔷 🔨	Level 3 Read Only	0	1 PLATFORM User	PLATFORM User	9/9/24	9/9/24	🖸 View Detai 🔑 Permissi 🗸	~
Information	Level 3	0	1 PLATFORM User	PLATFORM User	9/9/24	9/9/24	🖸 View Detai 🔑 Permissi 🗸	~
Users	Level 2 Read Only	0	1 PLATFORM User	PLATFORM User	9/9/24	9/9/24	🖸 View Detai 🔑 Permissi 🗸	~
Roles	Level 2	1	1 PLATFORM User	PLATFORM User	9/9/24	9/9/24	🖸 View Detai 🔑 Permissi 🗸	~
	- Level 1 Read Only	0	1 PLATFORM User	PLATFORM User	9/9/24	9/9/24	🖸 View Detai 🔑 Permissi 🗡	
ps://one.Republe.com/organization/0/8	< Provious Page 1	of 1 Next > S	howing 1 to 25 of 25 results				Per page: 50	~

### Create a new role

To create a new role, click on the New button. A form will open requesting a name for the new role. Once assigned, it will appear in the roles table.

### **Roles table**

The roles table displays the following information:

- Name: name assigned to the role
- Assigned users: users who have that role assigned
- Assigned tenants: tenants that have been assigned that role
- Created by: user who created the role
- Updated by: user who updated the role information
- Created on: date the role was created
- Updated on: date the role was updated
- Action: allows access to View detail and Permissions

### **Roles Subtable**

If you click on the arrow to the right of Permissions, a subtable will unfold from where you can access direct information about the permissions assigned to that role in Portal and in the Workspaces and Analyzer modules, as well as the tenants to which that permission has been assigned.

🕂 Create 🟚 Export 💍	Refresh								×
Search by term	∑ Filter								
Name ↑↓	Assigned users $\uparrow\downarrow$	Assigned tenants $\uparrow\downarrow$	Created by $\uparrow\downarrow$	Updated by $\uparrow \!\!\!\downarrow$	Created at $\uparrow\downarrow$	Updated at $\uparrow\downarrow$	Action		
Organization Admin	1	1	PLATFORM User	1000.000	9/9/24	9/9/24	View Detail	Permissions ^	^
Level 3 Read Only	0	1	PLATFORM User	PLATFORM User	9/9/24	9/9/24	View Detail	Permissions <	L
Level 3	0	1	PLATFORM User	PLATFORM User	9/9/24	9/9/24	View Detail	Permissions <	L
Level 2 Read Only	0	1	PLATFORM User	PLATFORM User	9/9/24	9/9/24	View Detail	Permissions <	
Level 2	1	1	PLATFORM User	PLATFORM User	9/9/24	9/9/24	View Detail	Permissions <	
Level 1 Read Only	0	1	PLATFORM User	PLATFORM User	9/9/24	9/9/24	🖸 View Detail	Permissions <	

# **Detail view**

Clicking on an item in the role table takes you to the detail view, where the following tabs will be displayed:

- Details
- Permissions
- Users

# Details

The Details tab contains additional information about the role: name, number of users and tenants assigned to that role, creation and update date, and the user who created it.

At the bottom right, the Clone button allows copying and reusing the role. Edit gives the option to change the role name.

# Permissions

Through Permissions you can view, create, or edit permissions. In this view, you can configure a unique group of permissions for each selectable organization.

The New option allows you to create a new permission with the following information:

- All Tenants
- <u>Tenant</u>
- Permissions in Portal
- <u>Permissions in Workspaces</u>
- Permissions in Analyzer
- <u>All reporting groups</u>
- <u>Reporting Groups</u>

# All tenants

It allows you to apply the permissions to all the organizations you have access to. In service provider use cases, it allows you to centrally manage permissions and replicate changes to the client organizations you manage.

When role permissions mix permissions applied at the "All tenants" level and specific configurations for an organization, which may be different, the more specific permission wins. In this way, a default configuration can be made for all organizations and overwrite those that require modifications.

## Tenant

Allows informing the organization to which permissions are being granted in the role being edited; the All tenants check allows configuring the role's permissions to apply to all organizations that can be accessed.

## **Portal Permissions**

It allows you to select access level to Portal at different levels:

- No access
- User
- L1 Support Team
- L1 Support Team Read Only.
- L2 Support Team
- L2 Support Team Read Only
- L3 Engineering Team
- L3 Engineering Team Read Only
- Organization Admin
- Organization Admin Read Only

Details of the visibility and allowed operations at each level can be found in <u>Additional</u> <u>Considerations</u>

## Workspaces permissions

In Workspaces, there are four roles with different levels of access available:

- Level 1
- Level 1 read-only
- Level 2
- Level 2 read-only

Details of the visibility and allowed operations at each level can be found in <u>Additional</u> <u>Considerations</u>

# Analyzer permissions

Gives the option to allow or deny access to Analyzer.

# All reporting groups

It allows you to apply permissions to all reporting groups you have access to. In service provider use cases, it allows you to centrally manage permissions and replicate changes to the client organizations you manage.

# **Reporting Groups**

It allows you to apply permissions to specified reporting groups; it can be more than one.

# Users

This table allows you to see the users assigned to the role and provides the option to search.

# Portal / Settings / Roles / Roles included by default

The settings of the default roles affect all report groups of **only** the current organization. If the organization is of partner type and has client-type organizations below, or is client type and has sub-organizations below, they should be included as a new record in the Permissions tab in two formats:

- All tenants: allows you to set a unified level of access and visibility for all organizations dependent on the root organization.
- Individually: allows you to set different levels of access and visibility for each organization

Default included roles:

- Level 1
- Level 1 Read Only
- Level 2
- Level 2 Read Only
- Organization admin

This role setting only affects the current organization. It is possible to assign more organizations with different permission levels in the Permissions tab of the same role in edit mode.

# Level 1

Users with the Level 1 role assigned will have the following accesses for their organization:

- Portal: User
- Workspaces: Level 1
- Analyzer: No access

This role allows the most common support actions in Workspaces, such as providing remote assistance, sending microservices, energy actions or consulting device information. It does not enable access to Analyzer and allows the user to consult information without modifying it in Portal.

# Level 1 Read Only

Users with the Level 1 Read Only role assigned will have the following accesses for their organization:

- Portal: User
- Workspaces: Level 1 Read Only
- Analyzer: No access

This role is identical to Level 1, but also restricts access to Workspaces to view-only, allowing information to be consulted in Read Only mode without the possibility of performing support or modification actions.

# Level 2

Users with the Level 2 role assigned will have the following accesses for their organization:

- Portal: User
- Workspaces: Level 2
- Analyzer: Access

This role allows access to Workspaces with Level 2, which includes all the support functionalities of Level 1 plus Level 2 functionalities, including server management, networks, locations, WiFi networks, and alert configuration. Allows access to Portal as a user and also to Analyzer to consult information about application or device inventory, as well as user experience, carbon footprint, and more.

# Level 2 Read Only

Users with the Level 2 Read Only role assigned will have the following accesses for their organization:

- Portal: User
- Workspaces: Level 2 Read Only
- Analyzer: No access

This role is identical to Level 2, but also restricts access to Workspaces to view-only, allowing information to be consulted in Read Only mode without the possibility of performing support or modification actions.

# Organization admin

Users with the Organization admin role assigned will have the following accesses for their organization:

- Portal: Organization admin
- Workspaces: Level 2
- Analyzer: Access

This level is the highest level of access that can be granted to a user. It allows full visibility in Analyzer, all Level 2 actions in Workspaces and the ability to modify organization properties in Portal, including the creation and activation of Microservices or Flows, Patch Policies and more.

# Portal / Settings / Roles / Additional considerations

Roles allow grouping different levels of access for several organizations and, at the same time, allow grouping different levels of access by module to manage them in a simplified way.

# **Multiclient environments**

The roles of an organization allow configuring access and visibility for the users of the organization, and also allow including the permissions to configure access and visibility to dependent organizations.

An organization is dependent when:

- It is client type and the roles and users are in the partner organization at a higher level.
- It is a sub-organization of a client organization.

Roles are assigned to users and contain the definition of levels of access and visibility, being able to establish different configurations for the root organization and its suborganizations in the same role. This can only be done in a descending manner; that is, from a higher-level organization, permissions can be assigned to the organization itself and the organizations that depend on it.

# Levels of access by modules

Create a new permission $\times$
All tenants
Tenant *
Select a tenant
Portal permissions *
Select portal permissions
Workspaces permissions *
Select workspaces permissions
Analyzer permissions *
Select analyzer permissions
All reporting groups
Reporting groups
Select reporting groups

The levels of access are also defined for each module of the solution:

- Portal
- Workspaces
- <u>Analyzer</u>

## Portal

- In Portal the following roles exist:
  - 0. No access
  - 1. Organization Administrator or 1 in the table below

- 2. Read-only organization administrator or 2 in the table below
- 3. User or 3 in the table below
- 4. L1 support team or 4 in the table below
- 5. L1 support team read-only or 5 in the table below
- 6. L2 support team or 6 in the table below
- 7. L2 support team read-only or 7 in the table below
- 8. L3 Engineering Team or 8 in the table below
- 9. L3 Engineering Team Read Only or 9 in the table below
- 10. Billing or 10 in the table below

To access certain functionalities, in addition to access permissions in Portal, access to Workspaces is required, depending on the functionality, with role Level 1 or Level 2.

These roles by levels allow configuring visibility and segmented accesses according to the needs of each organization, the detail of the visibility and actions available for each level of access to Portal is defined in the table below:

Section	Functionality	Action	1	2	3	4	5	6	
Home		Read							1
Operations		Read			*				
Flows		Read			*	×	×	×	•
		Create		×	**	×	×	×	•
		Refresh		×	**	×	×	×	•
		Delete		×	**	×	×	×	•
Reports	List	Read			×				1
	Detail	Read			×				1

Section	Functionality	Action	1	2	3	4	5	6
		Create		×	×	×	×	×
		Delete		×	×	×	×	×
Tenants		Create		×	×	×	×	×
		Read			×	×	×	×
		Refresh		×	×	×	×	×
		Delete		×	×	×	×	×
	Activation	Read			×	×	×	×
Monitor	Active alerts	Read						
	Alert Configuration	Create		×	×	×	×	×
		Read				×	×	×
		Refresh		×	×	×	×	×
		Delete		×	×	×	×	×
Workspaces		Read			*			
		Refresh		×			×	
	Groups	Read						
		Create		×	*	×	×	

Section	Functionality	Action	1	2	3	4	5	6
		Refresh		×	×	×	×	
		Delete		×	×	×	×	
Updates		Read			*	×	×	×
		Create		×	**	×	×	×
		Refresh		×	**	×	×	×
		Delete		×	**	×	×	×
Analyzer	Installed apps	Read				×	×	
		Refresh		×		×	×	
Analyzer	Licenses	Read			×	×	×	
		Create		×	×	×	×	
		Refresh		×	×	×	×	
		Delete		×	×	×	×	
SAM		Read			×	×	×	
Microservices		Create		×	×	×	×	
		Read				×	×	
		Refresh		×	×	×	×	

Section	Functionality	Action	1	2	3	4	5	6
	Enabled	Read				×	×	
		Refresh		×	×	×	×	
Billing		Read			×	×	×	×
		Refresh		×	×	×	×	×
Product		Read			×	×	×	×
	Report	Read				×	×	×
	Environment	Read				×	×	×
		Refresh		×	×	×	×	×
	Agent Settings	Read			×	×	×	×
		Refresh		×	×	×	×	×
Integrations		Create		×	×	×	×	×
		Read			×	×	×	×
		Refresh		×	×	×	×	×
Modules		Create		×	×	×	×	×
		Read			×	×	×	×
		Refresh		×	×	×	×	×

Section	Functionality	Action	1	2	3	4	5	6
Information		Read				×	×	×
		Refresh		×	×	×	×	×
Directives		Create		×	×	×	×	×
		Read				×	×	×
		Refresh		×	×	×	×	×
		Delete		×	×	×	×	×
Reporting Groups		Create		×	×	×	×	×
		Read			×	×	×	×
		Refresh		×	×	×	×	×
		Delete		×	×	×	×	×
	Agent Settings	Read			×	×	×	×
		Refresh		×	×	×	×	×
	Auto update settings	Refresh		×	×	×	×	×
	Magic link	Create		×	×	×	×	×
		Read			×	×	×	×

Section	Functionality	Action	1	2	3	4	5	6
		Refresh		×	×	×	×	×
Roles		Create		×	×	×	×	×
		Read			×	×	×	
		Refresh		×	×	×	×	×
		Delete		×	×	×	×	×
Users		Create		×	×	×	×	×
		Read			×	×	×	
		Refresh		×	×	×	×	×
		Delete		×	×	×	×	×

## () INFO

- 🔽 Has access.
- 🔶 Has access if additionally has L1 in Workspaces.
- 🔶 🔶 Has access if additionally has L2 in Workspaces.
- X No access.

#### Access Levels for Microservices

In microservices, the same roles are maintained as in Portal, but with specific access levels:

#### Microservices

The user's role corresponds to the organization where the microservice was created.

Action	1	2	3	4	5	6	7	8	9	10
Clone / create		×	×	×	×		×		×	×
View			/	×	×					×
Edit		×	<b>P</b>	×	×		×		×	×
Change to public or private	×	×	×	×	×	×	×	×	×	×
Edit visibility when private		×	<b>&gt;</b> 10	×	×		×		×	×

#### () INFO

- 🗹 Has access.
- *P* Access is granted if additionally has L1 read-only access in Workspaces.
- 💡 Access is granted if the author of the microservice.
- X No access.

#### **Enabled microservices**

The user's role corresponds to the organization where the microservice was enabled or disabled.

Action	1	2	3	4	5	6	7	8	9	10
Enable		×	×	×	×		×		×	×
Disable		×	×	×	×		×		×	×
Edit		×	×	×	×		×		×	×

# INFO Has access. X No access.

## Workspaces

In Workspaces, there are four roles with different levels of access available:

- Level 1 or L1 in the table below
- Level 1 read-only or L1 R0 in the table below
- Level 2 or L2 in the table below
- Level 2 read-only or L2 R0 in the table below

Available actions by each role:

Functionality	Action	ы	L1 RO	L2	L2 RO
UX Panel	View				
Workspaces	View				
Workspaces	Execute operations		×		×
Sessions	View				
Sessions	Execute operations		×		×
Connection Logs	View				
sdoL	View				
lobs	Cancel		×		×

Functionality	Action	Ц	L1 RO	L2	L2 RO
Alert	View				
Alert	Off		×		×
Profile Storage	View				
Profile Storage	Modify		×		×
Profile Storage	Delete		×		×
Alert notification profiles	View	×	×		
Alert notification profiles	Modify	×	×		×
Alert notification profiles	Delete	×	×		×
Alert Subscriptions	View	×	×		
Alert Subscriptions	Modify	×	×		×
Alert Subscriptions	Delete	×	×		×
Event Logs	View	×	×		
Event Logs	Modify	×	×		×
Event Logs	Delete	×	×		×
Locations	View	×	×		
Locations	Create	×	×		×
Locations	Modify	×	×		×

Functionality	Action	Ц	L1 RO	L2	L2 RO
Networks	View	×	×		
Networks	Modify	×	×		×
Notifications	View	×	×		
Notifications	Create	×	×		×
Notifications	Modify	×	×		×
Notifications	Delete	×	×		×
Reporting Groups	View	×	×		
Servers	View	×	×		
Servers	Execute operations	×	×		×
Wireless networks	View	×	×		
Wireless networks	Modify	×	×		×

() INFO

- 🗹 Has access.
- X No access.

## Analyzer

Since Analyzer presents information and never allows modifications to the organization or its devices, it does not segment access to the functionalities it contains, therefore access is either granted or denied to users. Therefore, the access options to Analyzer are:

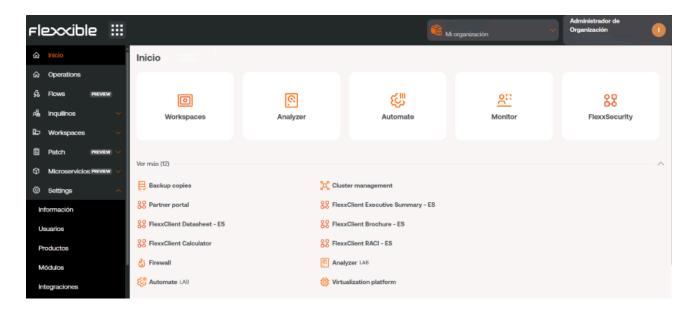
- Access
- No access

# **Portal / Settings / Modules**

This option shows a list of the available Flexxible product modules for the organization; it details their names, the corresponding URL, and their visibility status. And from the top of the overview, it is possible to perform a search to facilitate its configuration.

Fle	exxible	:::			My organization		<ul> <li>✓ Orga</li> </ul>	nization Admin
ඛ	Home			Modules				
ŵ	Operations		<b>i</b>	Modules				
ß	Flows PREVEN	•	🔎 Sea	rch for module		All	Featured	Secondary + Create
A.	Tenants					_		
₽ ¢	Workspaces		ţl	Name	URL		Visibility	Action
Ê	Patch Pieve	"	÷	Workspaces			Featured	View Detail
0	Microservices	Č	÷	Analyzer			Featured	View Detail
**	Settings							
	sers							
Pr	roducts							
м	lodules							
In	tegrations							

From View Details, you can assign a label to the chosen module and define if it is visible as featured or secondary. When it is highlighted, it appears among the top five modules of the Home section of Portal, standing out by the size of the icon, and when it is secondary it also appears in Portal but as a list, under the View more button.



# **Portal / Settings / Products**

This section provides information about the Flexxible environments and products that the organization has. The list view shows data such as the name of the environment in which the product has been deployed, the type of product available, region, creation date within the organization, and its status; the Actions field allows you to view and edit its specific data.

Flexcible					My organi	ization	(Ctrl + K) 🗸	Organization Admin	
Microservices		<b>6</b>	Products						
Settings	^	0.5							2
Information		😥 Export 🕐 Refresh							¥
Users		Search by term	√ Filter						
Roles	_ 1								
Products	_ 1	Environment 1	Product type 1	Region 1	Creation date 11	Status †↓	Action		
Modules		FxxOne	FXXOne		3/5/24	<ul> <li>Active</li> </ul>	🖸 Viev 🧯	Agent 🚨 🔨	
Integrations									
Reporting groups	_								
Eligible products									
Policies									

# Action's

In the list view table, the Actions field shows three buttons to access more precise information and edit the product's behavior: View details, FlexxAgent Configuration, and Reporting.

## **View details**

This option allows editing the data of each product that the organization has: the environment in which it has been deployed, the license key, its creation date in the organization, and also its status, which can be active or inactive.

# **FlexxAgent Settings - Proxy**

FlexxAgent consists of a Windows service called FlexxAgent Service, which manages two processes: *FlexxAgent*, which runs at the system level, and *FlexxAgent Analyzer*, which

starts for each user session.

The proxy settings for *FlexxAgent Analyzer* are not always the same as those for *FlexxAgent*, so depending on how the proxy operates in each environment, it will be necessary to set its adjustments appropriately.

In the FlexxAgent settings, a user with Organization Administrator level access can find two configuration options for the *FlexxAgent* process:

### • System proxy settings

- FlexxAgent Analyzer automatically detects and uses the proxy settings.
- Flexxible recommends this configuration for the system proxy.

### • FlexxAgent detected config

- In this case, FlexxAgent uses the credentials found in the registry if they are defined during installation.
- If not configured, FlexxAgent automatically detects the proxy settings.
- *FlexxAgent Analyzer* uses the detected settings for the Uniform Resource Identifier (URI), user, and password.

Analyzer proxy		
Proxy type		
System proxy settings		$\sim$
	$\times$ Cancel	🔒 Save

The configuration of Analyzer proxy is done from Portal -> Products -> Action -> FlexxAgent Configuration.

## **FlexxAgent Settings - Remote Assistance**

A user with Organization Administrator level access in Portal can choose what type of <u>remote assistance</u> the organization will use globally. It can be configured to be interactive, unattended, dynamic, or to have no access at all.

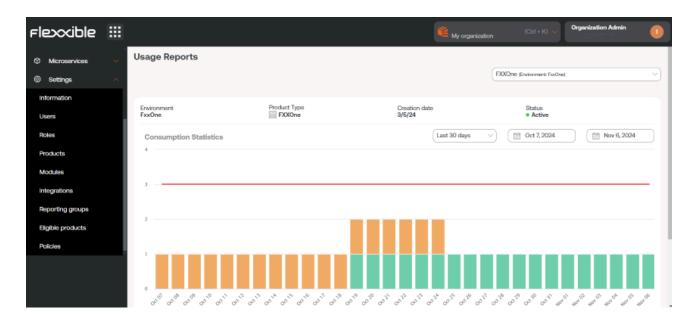
Each <u>reporting group</u> that the organization has can edit its own remote assistance configuration to suit its needs.

Invironment	
FxxOne (FXXOne)	$\sim$
Remote support	
Interactive	~

## Reporting

This section displays the product consumption statistics for the past month. By clicking on Report Explorer, you can access the product usage reports by environment over longer

periods: *Last 30 days, Current month,* and *Last 3 months*. Specific dates can also be selected using the calendar options.



# **Portal / Settings / Integrations**

From this section, it is possible to register the integration of Portal with services available to organizations on external platforms, to facilitate the management of tasks on devices, visualize unified information, or perform actions.

# Integration with Entra ID

Portal's integration with Entra ID allows treating an organization's devices as another group in Workspaces; in this way, in addition to the dynamic and static Workspaces Groups that an organization could have, Entra ID Workspaces Groups would be generated.

The integration does not imply that those groups will exist in Portal, but at the moment when an action is desired on them in Workspaces, Portal will show the list of devices that comprise them to make a decision.

## **Register a new integration with Entra ID**

- 1. To create an API connection between Portal and Entra ID, the organization must create an <u>application registration in Azure</u>.
- 2. Go to Portal -> Integrations -> Entra ID.
- 3. Click on Edit and enter the following information:
- Client ID: client identification. This can be obtained from the Azure registration panel.
- **Client Secret**: client secret (key) used for authentication. This can be obtained from the Azure registration panel.
- Tenant ID: this is the ID of the Azure tenant. You can obtain it here.
- 4. Click on Save.
- 5. Click on Check to verify that the integration has been registered correctly.

Flexocible	Ш					Edit Entra ID	×
0 mm	-1	- backs	and the second s	-	And and a	Client ID *	
(the full to be		* 5,000	800%.000%.00%.00%	Patron	-	Client Secret *	
000-g		#.5cm	READ IN COLUMN 2010	Page 1	0.000000		
6.000			1	y's to the second		Tenant ID * Please enter text here	
Products							
Weddate		Entra ID					
Augusting groups							
Digitite products Policies							
	-1						
							X Cancel Save

# Integration with Intel vPro® Enterprise

Intel vPro<sup>®</sup> is a set of hardware and firmware technologies designed to enhance the security, manageability, and productivity of business computers. The integration of Flexxible Odin with Intel vPro<sup>®</sup> Enterprise will allow you to perform useful additional manageability operations on the physical Windows workspaces that provide support to Intel AMT<sup>®</sup> technology.

From the Workspaces view in Portal, you can check information about the hardware and status of devices, and additional operations including out-of-band actions will be made available.

## Requirements

To benefit from the Intel vPro<sup>®</sup> Enterprise integration, devices must meet the following requirements:

#### Supported operating systems

Devices must have Windows 10 and Windows 11, 64-bit, installed.

#### Compatibility with Intel® AMT

Enabling the integration will perform automated operations in all the physical workspaces in your organization to check for Intel<sup>®</sup> AMT support. This process includes the unattended install and uninstall of the <u>Intel<sup>®</sup> EMA Configuration Tool</u> on all devices in your environment.

After this process is completed, you will see the results for each workspace in the Intel vPro Enterprise column in the Workspaces section (Portal), and also in the details of each workspace.

The possible values for this field are:

- Not supported: the workspace does not support Intel® AMT, therefore it will not benefit from the Intel vPro® Enterprise integration.
- Requires attention: the workspace supports Intel<sup>®</sup> AMT technology, but the Intel<sup>®</sup> EMA Agent has not been installed. Please check the <u>Intel EMA Agent</u> section below to see how to proceed.
- **Ready**: the workspace supports Intel<sup>®</sup> AMT technology, and the Intel EMA Agent has been installed and configured correctly.

😥 Export 💍 Refresh							
Search by term	Intel vPro: Any	Status: Any	r				
Name 11	: Intel vPro		IP Address 11	Operating System 1 :	CPU Cores 11 :	RAM 1.	
	Any		192.168.1.107	Microsoft Windows 11 Pro.,	12	15812	
	Ready		1921681108	Microsoft Windows fl Pro	6	32565	
	Not supported		19216810131	Microsoft Windows 10 Pr.,	4	8076	
	Requires attention		19216815.6	Microsoft Windows ti Pro	8	7915	
		Update filter	192.168.1.39	Microsoft Windows 11 Pro	12	15812	
	Online	Requires Attention	1921681.40	Microsoft Windows fl Pro	t2	15812	
	Online	Requires Attention	192168.0100	Microsoft Windows ti Pro	12	15812	
	Offline	Requires Attention	192.168.1.77	Microsoft Windows 11 Pro	8	0	
	Online	Ready	192.168.100.20	Microsoft Windows 11 Pro	20	16059	
	Online	Ready	192.168.100.12	Microsoft Windows 11 Pro	20	16054	
	Online	Ready	192168.254.109	Microsoft Windows fl Pro	12	15812	
	Offline	Not Supported	192.168.1.37	Microsoft Windows 11 Pro	8	7927	1
	Online	Not Supported	172.30.112.45	Microsoft Windows 10 Pr.,	4	0	
	Offline	Not Supported	172.30.126.19	Microsoft Windows Serve	4	16383	

Intel EMA Agent

Intel EMA Agent is an Intel software which is required in the workspace to allow the remote management operations included in the integration.

For the integration to work correctly, the installation and configuration of the Intel EMA Agent on the workspaces will be performed by Flexxible Odin. Do not attempt to install or configure the agent manually or by other means.

Additional requirements may apply for this agent to run properly. Please check the <u>Intel®</u> <u>Endpoint Management Assistant (Intel® EMA)</u> for more information.

To install the Intel EMA Agent, you can refer to the section Install Intel EMA Agent.

### Communications

In addition to the FlexxAgent's communication requirements, devices must have a Client Initiated Remote Access (CIRA), a key component of Intel Endpoint Management Assistant. To make sure this connection is available, the following must be verified:

- 1. That the hostname of the Flexxible Intel EMA server, *iagent.flexxible.com*, can be resolved to an IP address from all devices planned to be included in the integration.
- 2. That the server is accessible from the device through TCP ports 8080 and 443.
- 3. That traffic between the device and the server is allowed by the proxy server, if applicable.

## **Enable integration**

This action can only be performed by users with the Organization Administrator permission in Portal.

- 1. Log on to Portal.
- 2. Go to Settings -> Integrations and locate Intel vPro Enterprise. Click on the Enable button.
- 3. A window with information about the integration and a confirmation request will appear. Click on Confirm.

Flexcible 🔛			Partner	Chango Citrl + K Detault: Citrl + D
<ul> <li>Arme</li> <li>Operations</li> <li>Bows receiver</li> </ul>				-
জী Reports असलस्स अन्ते Tenants ৺ ত Monitor ৺ टिंट Workspaces ৺		Enable Intel vPro Enterprise		
Image: Participation         PREMIEW         >           Image: Participation         Microsomycos (MRMINN)         >	<prestown (1="" 1="" next="" of="" page="" v)=""> Showing it to 4 of 4 re</prestown>	Integration Enabling the integration will provide you with additional information and actions on the workspaces which support the inter vitro* Entegrates technology. The anablement process includes performing automated takes		Per page. (80)
<ul> <li>Settings</li> <li>Information</li> <li>Usons</li> </ul>	Entra ID	In all the workingpaces in your transit to check the support to intel vPoP. Check the following documentation for more defails about this process and please validate the sequirements to make sure that your workspaces are ready to benefit from this feature.		
Roles Products	Cleve ID - Invest ID	Confirm Cancel		
Modulos Integrationa Reporting groups				Check Edit
Eligible products	Intel vPro Enterprise			
Provlaw	Disabled			Enation

The integration process may take a few minutes to provision and configure the tenant. When completed, the status will be shown as "Enabled" along with related information.

Intel vPro Enterprise	
Status Provisioning Updated by	Updated at 12/12/2024, 9:40:07 AM
Intel vPro Enterprise	
Status Enabled	Updated at 12/12/2024, 9:40:25 AM
Updated by	

Gradually, FlexxAgent will start performing internal checks on the workspaces to determine which ones support Intel® AMT technology. You should wait a few minutes before the information appears in Portal. The wait time depends on the tenant's FlexxAgent configuration and reporting groups.

Go to the Workspaces section and check the information in the Intel vPro Enterprise column. You can also filter the devices by the field value to easily find which ones support Intel<sup>®</sup> AMT technology.

😥 Export 💍 Refresh							
Search by term	Intel vPro: Any	Status: Any 🛛 🍸 Fib	or				
Name 1	: Intel vPro		IP Address 1	Operating System	CPU Cores 1	: RAM 1	
	🖲 Алу		192.168.1.107	Microsoft Windows 11 Pro	12	15812	
	O Ready		1921681108	Microsoft Windows 11 Pro	6	32565	
	Not supported		192.168.101.31	Microsoft Windows 10 Pr.,	4	8076	
	Requires atter	tion	192.168.15.6	Microsoft Windows 11 Pro	8	79/5	
		🗸 Update filter	192.168.1.39	Microsoft Windows 11 Pro.,	12	15812	
	Online	Requires Attention	1921681.40	Microsoft Windows 11 Pro	12	15812	
	Online	Requires Attention	192168.0100	Microsoft Windows 11 Pro	12	15812	
	Offline	Requires Attention	192.168.1.77	Microsoft Windows 11 Pro.,	8	0	
	Online	Ready	192.168.100.20	Microsoft Windows 11 Pro	20	18059	
	Online	Ready	192.168.100.12	Microsoft Windows 11 Pro	20	16054	
	Online	Ready	192168.254.109	Microsoft Windows fi Pro	12	15812	
	Offline	Not Supported	192.168.1.37	Microsoft Windows 11 Pro	8	7927	
	Online	Not Supported	172.30.112.45	Microsoft Windows 10 Pr	4	0	
	Offline	Not Supported	172.30.126.19	Microsoft Windows Serve	4	16383	

Install Intel EMA Agent on devices that indicate support for Intel<sup>®</sup> AMT (in the Intel vPro Enterprise column of Workspaces, they are labeled as Requires attention).

#### Install Intel EMA Agent

- 1. Go to Workspaces, in the Workspaces module, and select the desired workspace.
- 2. Run the Install Intel EMA Agent operation from the Operations menu. Follow the on-screen instructions to verify the process completed successfully.

#### 25.4 / FXXOne Documentation / FXXOne

Flex	× WORKSPACE	s							-	Cog 017
Level 1 V	Workspaces		- A 8 6 I			inter S 1:0-			Filter by workspace group	Text to search
				×7 m 2			V O			Power and connection actions
C. Seesawa	Platforms	Machine †	RG Tenant	Power state	Last user	Sessions	CPU	% RAM Upt	ime Code	FlexoAgent +
:= Converting logs	e 🚦 🗆			Not reporting		0	0.%	0%		Maintenance (Drain mode) +
	Countrel									Refresh Workspace info
) John										Force check compliance
	< 1 >									Force update custom fields Remote administration
										Remote assistance
A <sup>®</sup> Profile service										Machine type +
										Notifications +
Lovel 2 🦻										Change reporting group +
Level 3 >									Instal Intel EMA Agent	Intel vPro (PREVIEW) +
\$ °										

3. Once completed, the device's Intel vPro Enterprise field will show Ready.

-	Workspaces						
👰 Export 💍 Refresh							
Search by term	Intel vPro: Ready	Status: Any	Filter				
Name 1	: Status 1↓ :	Intel vPro Enterp	IP Address	: Operating System 1.	CPU Cores 1	RAM Î↓	: ∣ Type 1↓
						KAM I.	
	Online	Ready	192.168.254.109	Microsoft Windows 11 Pro		15812	Physical
	Online						
		Ready	192.168.254.109	Microsoft Windows 11 Pro	12	15812	Physical

To learn more about Intel vPro®, please visit the following links:

- Intel vPro<sup>®</sup> Enterprise
- Intel EMA configuration tool
- Intel EMA Agent documentation (refer to the "Intel EMA Admin and Usage Guide" document)

# **Portal / Settings / Reporting Groups**

From Reporting groups you can create and preconfigure groups within the same organization using different criteria to meet the needs of departments, offices or user groups that make them up.

Flexxible	:::							Hy organi	ization		(Ctrl + K) 🕚	Organization Admin	
Microservices	~	•		Reporting	groups	•							
Settings	^	+ Create 🙆 Export	🕐 Refresh										2
Users		Search by term		√ Filter									
Roles Products		Tenant 🟗	Name 🔱	Environment †	Product †↓	Fishing p 🏦	Patch policy tarç ↑↓	Policy 1	Actio	n			
Modules		(and (benefit	-	Charles and	FXXOne FXXOne		-	VIP Ofimático		© A (© A			
Integrations Reporting groups		(machinese)	(and all story)	(M. Space)	FXXOne		-	Servidores					
Eligible products		inter (Distantia)	1000000	28.0mm/d	FXXOne		-	-		@ A			
Policies		inter (Thingson)	hand?	Oliv Pressnak (F	FXXOne		-	-	21	@ A	ΦD		
		< Previous Page	〔1 ─ ┘ of	1 Next > Show	ving 1 to 5 of 5 i	results						Per page: 50	~

It is also possible to know which users and which roles have access to the reporting group. As well as activate Remote Assistance functionalities.

# **Reporting groups creation**

To create a reporting group, press the New button and fill in the following fields:

- **Tenant**: it is a dropdown, to select the tenant in which the new reporting group will be created.
- Name: the name that the reporting group will have.
- Environment: opens a dropdown to select the environment in which the reporting group will be.
- **Patch directive destination**: opens a dropdown to select which patch policy the reporting group will be subjected to.
- **Fishing pattern**: it is an optional field. Allows indicating the regular expression (RegEx) that will be used to add devices to the reporting group. For example: company

(includes all devices whose names contain the word "company") or .\*2023\$ (includes devices whose name ends in "2023").

Once the reporting group has been created, it will appear in the table of the list view. The Reload button is very helpful if you want to refresh the list to ensure the reporting group has been created.

## **Fishing pattern**

The fishing pattern allows automatically grouping in a reporting group the devices that share a regular expression (RegEx) in the name.

The devices that form the reporting group will be updated every hour. It is an automatic process that checks if there are new devices matching the configured RegEx. If there are, the devices will be moved to the corresponding reporting group.

## () INFO

The regular expression (RegEx) should have a maximum of 250 characters.

It is important to pay attention to all the active RegEx to avoid conflicts between reporting groups, as it may happen that when creating a new one, its RegEx matches an existing one.

You can verify which reporting group a device is in from <u>Reporting Groups</u>, in the Workspaces module. And the history of a reporting group can be queried from the <u>device</u> <u>detail view</u>, in the <u>Workspaces</u> module.

4		Reporting	groups				Tenant *	
- Courter - M. Sand							Name *	
							Please enter text here	
P front by home		A same					Environment*	
Seat 1	Name 1	Entrement 1	Polari I	and the second	Party selling large 1.	-	Select environment	
Inc. Present	-	CHE Present B	FEEDra			-	Fishing pattern ① Enter a regular expression	
Inc. Process	-	CHE Present B	FREE			-		
Inc. Proceed	farming a	CHL Parameter B	PHILIPPE CONTRACTOR			-		
Inter Present		Old Property B	Patrice .					
Inc. Present	-	Chill Present B	COLOR .					

If you want to check which reporting group the device has passed through, you can do so from Reporting group history, in the detail view of a workspace, in the Workspaces module.

# **Reporting groups list**

The list view shows a table whose fields match the data requested to create the reporting group. It also has the Action field, which allows access to View details and Agent configuration.

## **View details**

The detail view allows consulting three types of information about the selected reporting group:

## Details

This tab offers general information about the reporting group being consulted. The Edit button opens a form that allows you to change the initial characteristics of the group, such as the name or the patch directive destination.

Roles

This tab shows a table with the list of roles that can access the reporting group being consulted. In turn, this table also has the Action field -> View details, which allows you to consult more specific information about the roles: details, permissions and users.

Flexcible						My org		hange: Ctrl + K Vefault: Ctrl + D	Organization Admin	
Settings	~	Reporting.group	26 > Oficina							
Information		Oficina								
Biling		Details Roles Users	Magic Links							
Users		😝 Export 🕚 Refresh								2
Roles		Export O Helical								•
Products		Search by term	v	Filter						
Modules		Name †↓	Assigned users †↓	Assigned tenant: 11	Created by 11	Updated by $\uparrow\downarrow$	Created at 11	Updated at $\uparrow\downarrow$	Action	
Integrations		Admins	5	1	PLATFORM User	10000	9/9/24	9/12/24	View Detail	^
Reporting groups		Admins2	2	1	PLATFORM User	Industries (Inc.	9/9/24	9/25/24	View Detail	
Eligible products		Custom Admin Rol.	0	1	PLATFORM User	California Care	9/9/24	9/9/24	View Detail	
Policies		Custom Admin Rol.	1	2	PLATFORM User	(inputtion)	9/9/24	11/21/24	View Detail	

- **Details**: general information about the role. At the bottom right, the Edit button allows you to change the name of the role.
- **Permissions**: through a table, shows the permissions that this role has in the Portal, Workspaces and Analyzer modules.
- Users: through a table, shows a list of users assigned to that role.
- More information about roles, users and permissions in <u>Roles</u>.

#### Users

This tab shows the name and associated email of the users who make up the reporting group being consulted.

#### Magic link

Users with the Organization Administrator role within a partner-type organization can generate and send <u>Magic links</u> to users so they can download FlexxAgent on their devices without being logged in.

This tab shows a table with the list of Magic links created in the report group being consulted, both from the Generate Magic Link button on the Home page of Portal and from this same tab.

Flexxible III			e My orga	Change: Ctrl + K nization Default: Ctrl + D	✓ Organization Admin	
ි Home	Reporting groups > VIP					
Operations	VIP					
56 Flows PREVIEW	Details Roles Users Magic Links					
🖧 Tenants 🗸 🗸						
🗈 Workspaces 🗸 🗸	🕂 Create 📵 Export 🕐 Refresh					1
🛱 Patch 🛛 🛤 🗸 🗸	O Search by term	√ Filter				
🕅 Microservices 🗸 🗸	Created at †↓ Created by †↓	Magic link †↓	Expires at 🗊 🖡	Revoked at †↓ Last used a/ †↓	Downloads 11 Action	
Settings ^	12/3/24, 1:02:24 F	https://oneflexxible.com/magic-link?key=b65	12/10/24, 1:02:24 -	-	0 🚫 Revoke	
Information	12/3/24, 12:08:33	https://oneflexxible.com/magic-link?key=91b	12/4/24, 12:08:33 -	12/3/24, 12:18:19	I 1 Nevoke	
Billing	12/3/24, 11:06:01	https://oneflexxible.com/magic-link?key=at2	12/8/24, 11:06:01	12/3/24, 11:09:27	1 🚫 Revoke	
Users						

The Create button allows you to generate Magic links in the report group to optimize access to the FlexxAgent download on devices, previously defining their expiration time.

rlexcible					L Inter Press	Create magic link		×
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Export gives the option to export the list in .xlsx format and Refresh allows you to update the list of magic links shown in the table.

The table provides information about specific data of the created Magic link, such as the author, creation, and expiration dates; it also shows if it has been revoked and when. From here it is also possible to copy the generated magic link to share it and revoke it when deemed convenient.

More information about Magic links

## FlexxAgent configuration (Remote Assistance)

From here, a user with the Organization administrator in Portal access level can configure the type of remote assistance that the reporting group will have: interactive, unattended, dynamic or none.

wironment 5xxOne (FXXOne)	
xxOne (FXXOne)	
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This configuration is set from <u>Products</u>, however, very specific and particular configurations can be made for the reporting groups.

#### Download FlexxAgent

In FXXOne it is possible to download FlexxAgent from the reporting groups. Simply click on the Download agent tab to perform this action and then follow the <u>installation steps</u>.

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This action can also be performed from the Home page of Portal.

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Integraciones						
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# **Portal / Settings / Directives**

Policies allow you to create client-type organizations using a template, so that each time an organization is created, it can follow a pattern that can be used to apply certain configurations, such as user access or the activation of FlexxAgent. They are useful for assigning specific characteristics to one or more report groups, thus facilitating their management and saving time for users of managed service provider (MSP) organizations.

From the overview, you can access a list of the created Policies, as well as a brief description of them. By clicking on View Details, you can get more information, such as the report groups to which it is being applied and the names of the users responsible for its management.

Each time a new organization is created, the report groups defined in the policy will be created, and the users specified in the policy will have access. At the same time, from the Policy itself, you can determine whether partner-type users will have access to manage an organization in Portal or not

# **New Policy**

To create a new policy, you just need to press the New tab and insert the required information: Name, description, associated product, and user information for the people who will manage it.

It is also possible to assign a Policy to an organization from Tenants.

#### 25.4 / FXXOne Documentation / FXXOne

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# **Portal / Access Considerations**

To facilitate logging in to Flexxible tools, such as Portal, Analyzer, and Workspaces, authentication is delegated to existing Microsoft Entra ID (formerly Azure Active Directory) or Google accounts, which use OAuth2.

Depending on the organization's configuration and security policies, an administrator may need to authorize the use of Entra ID or Google accounts the first time they want to use them to access Flexxible tools.

# **User authentication**

For the Flexxible SSO system to verify that the Microsoft Entra ID or Google account is valid and authorized to access its consoles, it needs an administrator to give the following consents:

- Microsoft Entra ID: a Flexxible Enterprise Application is used in your tenant (tenant).
- Google Admin: a Flexxible OAuth client id is used in your tenant (tenant).

This is one of the usual procedures when third-party applications delegate their log in to Entra ID or Google Admin. The tenant administrator can always see what data the application has access to, who has used the application, and revoke consent, preventing users from logging in again to any Flexxible console.

## **Enterprise Application Consent and Permissions in Entra** ID

User access can be granted individually or in groups, although there is a way to simplify the process by having **an administrator consent to the use of the Enterprise Application for your organization**. This allows users in your organization to log in to the Flexxible ODIN consoles with their corporate credentials and automatically create the Enterprise Application in your Azure tenant. For this, the administrator only needs to try logging in to Portal for the first time, which will trigger the consent request:

## Microsoft

## Permissions requested



#### This application is not published by Microsoft.

This app would like to:

- Have full access to your calendars
- ✓ View your basic profile
- Maintain access to data you have given it access to
  - Consent on behalf of your organization

Accepting these permissions means that you allow this app to use your data as specified in their terms of service and privacy statement. **The publisher has not provided links to their terms for you to review.** You can change these permissions at https://myapps.microsoft.com. Show details

Does this app look suspicious? Report it here



If created manually, to provide authentication the Enterprise Application must have the following permissions:

Permission	Caption
Directory.Read.All	Read directory data
email	View user email addresses

Permission	Caption
offline_access	Maintain access to data you have given access to
openid	Log In
profile	View basic user profile
User.Read	Log in and read user profile

# **Portal / Guides and tutorials for Portal**

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D Workspaces	*					
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O Microservices PREVIEW	View more (t2)					Ň
Settings	<ul> <li>Your products</li> </ul>					
	Environment			Product type	Action	
				FlexorClient	🖸 View Detail	
				FlexxDesktop Edge	🖸 View Detail	
				ElexorClient	View Detail	

This section offers resources designed to maximize the use of Portal. It includes detailed instructions on initial and advanced configuration, allowing it to be tailored to specific needs.

Each guide has been created to facilitate understanding and application, regardless of the user's level of experience. In addition to step-by-step instructions, you will also find procedures and solutions to common problems.

# Portal / Guides and tutorials / Creation and management of Workspaces Groups

Workspaces Groups are logical groupings of a set of devices (or endpoints) that can be used when managing an organization. They can be <u>static</u>, <u>dynamic</u>, and <u>Entra ID type</u>.

# **Static Workspaces Groups**

It is a group created manually, with free criteria. The devices that comprise it do not change unless the group is modified. It can be created and managed from Portal and from the Workspaces module, by filtering the list from the Workspaces option.

## How to create a static Workspaces Group from Portal

1. Enter Portal and select the option Workspaces -> Workspaces Groups in the left side menu. A list of available groups will appear (or empty, if none exists).

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		< Previous Page 1 V	of 1 Next > Showing 1 to 2 of 2 results		Per page: 50	

2. Click on the + New button at the top of the list. A modal window will appear on the right side of the screen. Enter the group name and description (optional). Click the + New button at the bottom of the window.

 $\times$ 

## Create workspace group

#### Name \*

Please enter text here

#### Description

Please enter text here

- 3. A confirmation message of the group's creation will appear. Close the window using the cross at the top right.
- 4. The new group will appear in the Workspaces Groups list. Click on its name to access the details.

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A         Home           D         Operations           S         Flows	<u>Workspace Group</u> > Windows Windows Workspace Group Details Workspaces History Location	
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# How to create a static Workspaces Group from Workspaces

- 1. Access Workspaces in the left side menu of the Workspaces module.
- 2. Select the desired devices in the list view.

```
3. Save the devices in a new group by clicking My filters -> Workspace Group ->
```

```
Save as dynamic workspace group.
```

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## **Dynamic Workspaces Groups**

It is a group where a condition is periodically evaluated, so its members can change in real-time. Dynamic Workspaces Groups can be created from Workspaces search filters.

### How to create a dynamic Workspaces Group

Dynamic groups are created from the Workspaces view, within the Workspaces module.

1. Access the list of devices. Select (or create) a search filter. For simplicity, in this example a filter that searches for devices that haven't restarted in the last 15 days is used.

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2. Once within the filter results, use the My filters -> Workspaces Groups -> Save as dynamic workspaces group Option.

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- 3. A pop-up panel will appear. Give the dynamic group a name and click OK.
- 4. The system notifies that a job has been scheduled to create this item. You can audit the task execution in the Jobs section of the left menu of the Workspaces module.
- 5. Go back to the Workspaces -> Workspaces Groups menu in Portal to check that the new dynamic group has been created and to view its members.

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	Static	0 🕑 🛛	/er detalle
	Dynamic	5 🕑 V	/er detalle
	Static	0 🖸 V	/er detalle

## **Entra ID Workspaces Groups**

It is a group that can pull members from an existing group or organizational unit in the Entra ID domain in use. Creating this type of group requires at least one active integration with the Entra ID domain under Settings -> Integrations in Portal.

## How to create an Entra ID Workspaces Group

Entra ID groups are created from Portal.

- 1. In the side menu, go to Workspaces Groups.
- 2. Click on the New button located at the top of the list view.
- Next, you should add a name, a description for the group, and activate the Entra ID button. Select the type of group to be created: Entra ID Group or Entra ID Administration Unit.

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	Contract Name 1	- At 1922 Restarts 21 of 21 mate	× Cancel + Create	2

Entra ID groups require an API connection, which can be configured from Portal -> Settings -> Integrations. Only from there can the created Entra ID Group and Entra ID Administration Unit be consulted and therefore operations can be carried out on them from the Workspaces module.

# How to manage a Workspaces Group from Portal

To manage a Workspaces Group, click on the name of the desired group and access the following tabs:

- **Details**: provides general information about the group. From here you can delete the group by clicking on the Edit button.
- Workspaces: shows the devices that are part of this group. This option allows exporting the list of devices comprising it.
- **History**: displays a bar graph of the daily number of workspaces that formed the group in the last month. You can zoom in on the chart for better reading by selecting the bars you want to enlarge with the mouse. By Reset zoom, the information returns to its original state.
- Location: a geographical location can be added to the group of devices. This value is just a reference, it does not update if users change location.
- **Programming**: From this tab you can schedule the Wake on LAN or the automatic shutdown of a group of devices. If the user wants to schedule one of these actions, they must click on the New button and fill in the form fields for Action, Day of the week, and Time UTC.
  - Action: allows you to choose between Wake on LAN or Shutdown.
  - **Day of the week**: allows choosing which day of the week the action will be performed.
  - **UTC Time**: allows you to specify the exact time to start the action, in Coordinated Universal Time standard.

The created action will then be displayed in a table, with columns showing the information entered in the form, as well as which user created the action and who updated the schedule and when.

From View details you can edit and delete the scheduled action.

• **Syncs**: this tab is only visible when the group is of the Entra ID type. Displays a table with details of the performed syncs.

#### Add devices to the static Workspaces Group

There are two ways to add devices to a Static Workspaces Group from Portal:

1. In the groups table, click on Detail View of the desired group -> Workspaces -> Import devices. A form opens that allows importing up to 20,000 workspaces.

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2. In the groups table, click on Detail View of the desired group -> Workspaces -> Edit. Next, select the devices you want to add. Those marked with an orange dot are added to the group and those not marked are removed. In both cases, click on Save to keep the changes.

rlexxible 🔛					🐞 My or	rganization	(Ctrl + K) 🗸	nization Admin
û Home	Eexcible Corp > Workspace Groups							
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## How to manage a Workspaces Group from Workspaces

Once the group is defined, it can be managed within the Workspaces module.

- 1. Access Workspaces in the left side menu of the Workspaces module.
- 2. Filter the device list by Workspaces Groups.

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3. Choose the Workspaces Group on which you want to perform actions. 4. Use the multiple options offered by the Workspaces module.

#### () INFO

For more information about Workspaces Groups, please refer to their documentation.

# Portal / Guides and tutorials / Scheduled Microservice Execution

Microservices allow actions (queries or corrections) on devices. They can be executed directly, from the Workspaces module, or scheduled through Flows, which allow conditional microservices execution.

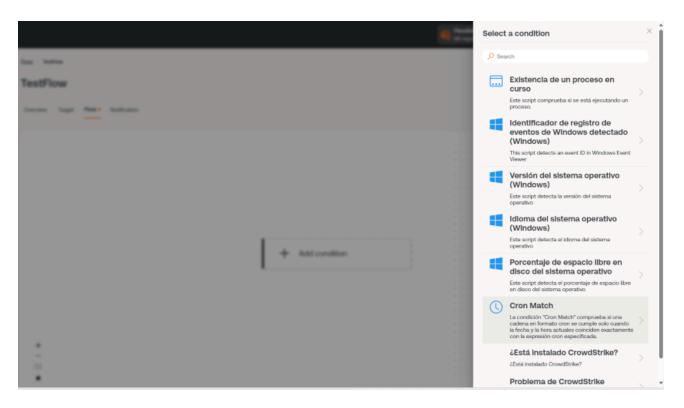
# How to schedule the execution of a microservice

- 1. Click on the Flows option in the left menu of Portal.
- 2. Click on + New to create a new flow. Or select an existing flow if you want to modify it.
- 3. Fill in the fields. Choose whether the flow will be executed at the operating system level or at the user session level.
- 4. Once the fields are filled in, click on Save.

Create new flow	
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TestFow	Show languages
Description (spanish) *	
this is a flow for documentation	Show languages
Type* Cooldown*	— 10 minutes
Detection only	
× Cancelar	🗟 Guerder

- 5. In the flow list view, select the flow you just created.
- 6. Click on the Flow tab.
- 7. In the panel, click on the Edit button located on the right.
- 8. To add the first condition, go to the + symbol and click on Add condition. A panel with all available conditions will appear on the right side of the screen. Select Cron Match.

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- 1. Add the condition check fields: Check every, Operator and Value, the latter in "cron" programming syntax. Keep in mind that hours are defined in Coordinated Universal Time (UTC).
- 2. Click on Save at the bottom of the panel. In this example, the condition is checked every half hour and the "cron" condition is "every Monday at eight in the morning".

There are many references available to check "cron" scheduling syntax. For example: <u>crontab.guru</u>

Cron Match	×
Check every *	
30 minutes	$\sim$
Operator *	
At	~)
Value *	
08**1	

- 11. Click on the + symbol located below the condition and select Add action to add the microservice to be scheduled. At this point, additional conditions can be added if needed.
- 12. Select the microservice you want to schedule. In this example, "Clean Disk". Click on the Save button in the upper right corner.

TestFl	w																										
Overview	Target	Flow •	Notifical	tion																							
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In this example, the disk cleaning microservice has been scheduled to be executed every Monday at eight in the morning. To activate the periodic execution of this microservice on devices, it is also necessary to configure the Destination of the flow, including the report groups, devices or groups of devices where execution is required.

There is also the option to notify users about the execution of the flow. To do this, you need to enable the option and fill in the Initial text, Success text, and Error text fields.

#### () INFO

For more information on Flows, please refer to their <u>documentation</u>.

# Portal / Guides and tutorials / Patch policy

The patch policy indicates how the operating system patching of a set of devices belonging to a report group will be managed. Therefore, patching is not done on devices individually.

## How to define the patch policy

- 1. In the Portal menu, select the Updates -> Recipients option.
- 2. Create a new recipient by clicking on the + New button (or select one from the list if you want to modify it). Give it a name and specify the reporting group to which this policy will apply, as well as whether you want to apply a Microsoft update directive.

ame *	
TestPatch	
eporting Groups *	
Select reporting groups	
D Intune Devices	
F FlexxClient	
FE FlexxDesktop Edge	

- 3. Click on the Save button.
- 4. The information of the new policy will appear on the screen.

_				
Te	C1	۲D	21	h
10	0	LF-	a	

Details Schedules		
Name TestPatch	Reporting Groups 1	
Restart after patching No		
Wake on LAN No		
		Edit
Reporting Groups		
Name Intune Devices		

5. To change the behavior of the policy, you can use the Edit button, which allows you

to:

- Change the name of the policy.
- Change the report groups to which the policy applies.
- Select if the devices will restart or wake up via the network (Wake on LAN) after applying updates.
- 6. To change the scheduling of the patch policy application, go to the Scheduling tab -
  - > Edit.

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#### () INFO

For more information about Updates, please refer to their documentation.

# Portal / Guides and tutorials / Enable a microservice for the end user

Microservices allow actions (queries or corrections) to be performed on devices, giving the end-user the ability to run them on-demand.

# How to enable a microservice for the enduser

1. Access the Microservices -> Enabled menu within the Flexxible Portal (microservices can be organized either in blocks or lists).

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	< Previous Page 1 v of 1 Next > Showing 1 to 44 of 44 resu	lts		Per page: 50 V				

2. Select the microservice you want to enable by clicking on its name (if organized in blocks) or on the See details link (if organized in lists). Next, the microservice details will appear (in the example, "Clean Disk").

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3. Select the Recipients tab, which shows the execution permissions and recipients of this microservice.

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4. Click on the Edit button in the bottom right corner, within the User Execution section. A modal window with the configuration option will appear.

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- 5. In the panel, enable the execution of the microservice by the end-user and select one or more Workspace Groups where this option will be valid. Once selected, click Save.
- 6. In the following minutes, the new microservice will appear as a new operating system option within the Flexxible folder in the start menu.

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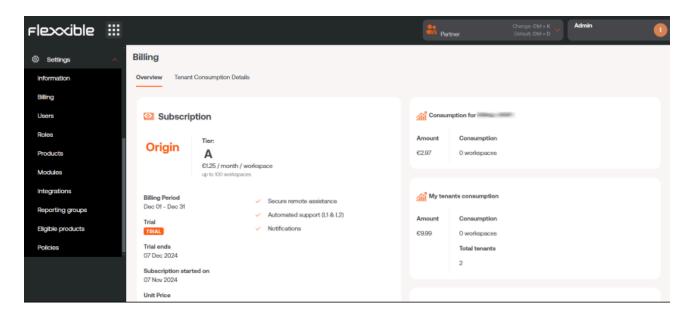
#### () INFO

For more information about Microservices, please refer to their documentation.

# Portal / Billing

Billing allows you to view information about billing and service consumption of FXXOne on devices with an active subscription. The access path to this data is Portal -> Settings - > Billing.

The amount of information displayed by this option depends on the role of the user who is viewing it and the type of organization. Users with the role of Organization Administrator in a partner-type organization can see service consumption data of their tenants, as well as graphs with details; however, a user with the role of Administrator in a client-type organization can only access general subscription information.



# View from a partner-type organization

The Billing view of a user with the role of Organization Administrator in a partnertype organization provides two types of information:

- <u>Overview</u>
- Tenants consumption details

## **Overview**

Provides global information about the FXXOne subscription that the organization has contracted. It is divided into four sections: Subscription, Consumption for organization, My tenants consumption and Total consumption.

🔯 Subscrip	otion	Consumption for		
Origin	Tier: A €1.25 / month / workspace up to 100 workspaces	Amount €0.00	Consumption 0 workspaces	
Billing Period Dec 01 - Dec 31 Subscription start 14 Apr 2023 Unit Price €0.00	<ul> <li>Secure remote assistance</li> <li>Automated support (L1 &amp; L2)</li> <li>Notifications</li> </ul>	My tenants consumption       Amount     Consumption       €579.87     720 workspaces       Total tenants       171		
		MTotal co Amount €579,87	Consumption 720 workspaces	

#### Subscription

This is an overview of the subscription features. It provides information about the billing period, subscription start date, unit price, and available services. The subscribed plan name is highlighted in orange and Tier specifies the price for a device per month.

The Tier is set considering the service consumption of the partner-type organization plus the consumption of its tenants. Regardless of the plans the tenants are subscribed to, they will always be in the Tier of the organization that manages them.

#### Consumption for organization

It informs about the number of devices a partner-type organization has subscribed and the billable amount it represents.

#### () INFO

A device that has uninstalled FlexxAgent will continue to count at the billing level as long as it continues to appear in its reporting group. To remove it, see the <u>steps to</u> remove a device from a reporting group.

#### My tenants consumption

It informs about the number of devices a partner-type organization has subscribed, the number of tenants these are distributed in, as well as the billable amount they represent.

#### Total consumption

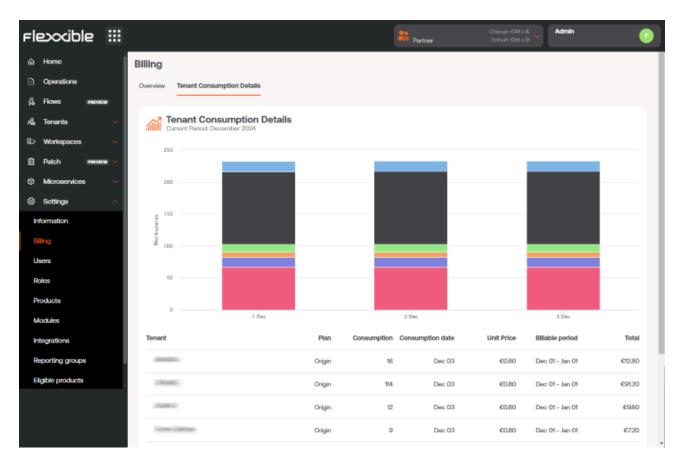
It informs about the total sum of devices the partner-type organization has subscribed, including its tenants, and the billable amount they represent.

### **Tenants consumption details**

This tab offers a dashboard that graphs the consumption by devices of each of the organization's tenants during the current billing period.

The bottom part shows a table with detailed information about each tenant's subscription:

- Tenant: tenant name
- Plan: name of the FXXOne subscription plan they have
- Consumption: number of devices whose agents have reported in Workspaces
- Consumption date: date of maximum device reporting in Workspaces
- Unit Price: consumption price per agent on a device
- Billable period: subscription billing period
- Total: total billable amount for the subscription

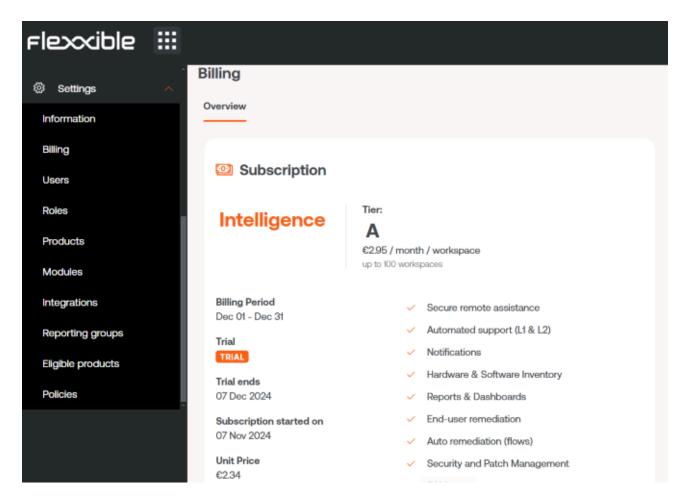


## View from a client-type organization

The Billing view of a user with the role of Administrator in a client-type organization can only obtain general information about the FXXOne subscription through the Overview tab.

## **Overview**

Provides global data about the FXXOne subscription that the organization has contracted.



#### Subscription

It provides information about the billing period, subscription start date, unit price, available services and also the trial period of the service, if applicable. The subscribed plan name is highlighted in orange and Tier specifies the price for a device per month. Regardless of the plans the tenants are subscribed to, they will always be in the Tier of the organization that manages them.

## **FlexxAgent consumption**

FlexxAgent consumption is based on the maximum number of devices reporting in the Workspaces module on the same day, for a billing period.

For a device to stop consuming at the billing level, it must not have FlexxAgent installed or belong to any reporting group. If FlexxAgent is not uninstalled from a device that is not in use, it will report to Workspaces again when it becomes active. If the user has uninstalled FlexxAgent from one or more devices and wants them to stop appearing immediately in Workspaces, they must go to Reporting groups in the Workspaces module to remove them. If the user does not perform this action, the device will be automatically removed 21 days after its last report.

### Steps to remove a device from a reporting group

- From the Workspaces module, go to Level 2 -> Reporting groups.
- Click on the reporting group where the device you want to remove is located.
- On the Devices tab, select the device you want to remove.
- Go to Operations -> Remove device

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# Workspaces

Workspaces is a unified support delivery solution and remote monitoring and management (RMM), where various tools for device management and automation and user interaction converge. Access to the module is segmented by levels, ensuring the provision of appropriate tools to each technical or support team through role assignment.

Workspaces is ready to manage user sessions from any technology, because FlexxAgent can identify the type of virtualization and brokering used in each session.

# **Interface and Access Segmentation**

The functionalities available in Workspaces are segmented into two levels, so access to them is granted through roles. Clicking on any level expands the menu options to access specific features.

## Level 1

It gathers the tools for the teams that have the most direct contact with end users. Includes views for UX Panel, Workspaces, Sessions, Connection Logs, Jobs, Alerts, and Profile Storage.

Functionalities available at this level:

- <u>UX Panel</u>
- <u>Workspaces</u>
- <u>Sessions</u>
- <u>Connection log</u>
- <u>Jobs</u>
- <u>Alerts</u>
- Profile Storage

## Level 2

Offers tools that enable a more detailed diagnosis, such as monitoring, event log filtering, server management, and more. Functionalities available at this level:

- <u>Alert notification profiles</u>
- Alert subscriptions
- Event log
- Notifications
- <u>Servers</u>
- Locations
- <u>Networks</u>
- <u>Wireless networks</u>

### **List Views**

From the list views, items can be filtered and selected in the Workspaces and Sessions sections to obtain lists of, for example, devices with a certain uptime, with pending restarts due to updates, or that haven't been used within a specific time period, among others.

Based on filter results, specific tasks can be performed on devices or sessions, such as executing microservices, power actions, remote user assistance, and more.

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In addition to filtering, list views also offer other options, such as exporting the listings and saving the applied filters as user filters.

## **Filtering Options**

To access the grouping and filtering options of the item list, right-click on the header of a column. Next, options will be displayed according to the sorting, grouping, visibility, and filtering of the columns.

#### Column sorting

The options Sort Ascending and Sort Descending allow you to arrange the values of a column according to the letter or number they start with. For example, if the column % RAM is set to sort ascending, the column values will be arranged so that the first row corresponds to the device with the lowest percentage of RAM used and the last row with the highest percentage. Or if the column Status is set to sort descending, the first row will correspond to the device whose status is *Not reporting* and the last row will correspond to the device whose status is *Off*.

To reset the column sorting, click on Clear sorting.

#### Grouping by Column

The options Group by this column and Group panel allow creating a group of records for each value of the selected column field.

The difference between them is that Group by this column only considers the selected column for grouping the records, while Group panel allows selecting more than one column for grouping.

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#### Column visibility

The options Hide column, Show customization dialog, and Column selector allow modifying the column visibility in the table.

If the user doesn't want to see a particular column, they should go to its header, right-click and select the Hide column option. If they want to configure in detail which columns and records to view in the table, they should click on Show customization dialog. But if they prefer to add or remove columns, they can do so through Column selector.

			Export to 🔹	All	• Today	•
User	Start 👃	VM	Machine name	Device kind	Machine Type	Reconnection
	23/01/2024 8:11:10	85fae6fd-9341-41df-a411- fcc6e338cfca			Workspace	~
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	23/01/2024 8:03:09	49e7e1a9-5ba0-4b73-9487- 457d3fa626af	anton frate .		Workspace	~
	23/01/2024 8:02:07	6a466231-d334-4609-aee1- 0decc99ce60a	2004.ad Sexuble.com	Ģ	Workspace	<ul> <li>✓</li> </ul>

#### Value filtering

The options Filter editor and Filter row allow setting filters according to the values of the column fields. If a user wants to build filters by multiple criteria (inclusive and exclusive), analyze the content of fields, and nest queries, they should click on Filter editor. A user can also filter the field values based on the list shown by the table, to do this they should select the Filter row option.

		Export	to 🔹 🖌	•	Today •
Start	VM	Machine name	Device kind	Machine Type	Reconnection
23/01/2024 5:32:05	309b6a9c-f474-4322-96b8- c565bafadfa7		Ģ	Workspace	
22/01/2024 19:30:12	9a491ae9-32c1-49c0-8b83- c35997c92b6c		Ģ	Workspace	~
23/01/2024 8:02:07	6a466231-d334-4609-aee1- 0decc99ce60a		Ģ	Workspace	*
23/01/2024 7:37:17	3916b6e3-7358-45b6-ae5c- d24ac036469b			Workspace	
23/01/2024 8:03:09	49e7e1a9-5ba0-4b73-9487- 457d3fa626af	ana ang ang ang ang ang ang ang ang ang		Workspace	~
22/01/2024 13:35:07	1589953c-3517-4ab3-be7f- c19ab0e3cf16	20010P-MGRHQU.		Workspace	
23/01/2024 4:23:10	4f35cff5-6d64-4ade-9d0c- c399aedc7cc8			Workspace	~
23/01/2024 7:58:46	37ab5ffd-891a-4012-899c- d53bd9e58563	2556TOP-DKSMAT		Workspace	
23/01/2024 8:00:10	3916b6e3-7358-45b6-ae5c- d24ac036469b			Workspace	~

When the Footer option is selected, the total number of records found is displayed at the bottom left of the table.

#### **Filter management**

The My filters button offers the following options:

- Predefined filters: list of filters that Workspaces offers by default.
- User filters: option visible when a user has saved a filter. Allows applying the names of previously created filters.
- Save the current filter: if a user wants to return to a list of items later, after applying one or more filters, they can do so with this option.
- Manage filters: allows editing saved filters.
- Clear filter: useful when one wants to clear applied filters and reset the item list.
- Workspaces groups: visible in the Workspaces view, allows you to select items from the list and save them as Workspaces groups. More information <u>here</u>.
- Filter by organizational unit (OU): visible in the Workspaces view, filters by organizational unit.

- Filter by operating system (OS): visible in the Workspaces view, filters by operating system type.
- Filter by installed applications: visible in the Workspaces view, filters by installed applications.

In the top menu, the icons allow:

- Set predefined filters
- Reset the default list view.
- Export the list: allows exporting the list with all details, in \*.csv or \*.xlsx format.
- In the Workspaces and Sessions views, execute microservices to perform actions on them. Depending on the view from which the >- button is activated, access will be given to different microservices, such as clearing the browser cache or updating the operating system.
- In the Workspaces and Sessions views, perform operations to facilitate their management. Depending on the view from which the Operations button is activated, access will be given to different actions, such as shutting down devices or launching a notification.

# **Detail Views**

From any Workspaces view, if you click on an item in the table, you can access detailed information. The data is organized into inventory blocks and tabs that facilitate navigation.

# Workspaces / Level 1

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It gathers the tools for the teams that have the most direct contact with end users. It includes views of Dashboard UX, Workspaces, Sessions, Connections Logs, Jobs, Alerts, and Profile Storage.

Functionalities available at this level:

- UX Dashboard
- Workspaces
- <u>Sessions</u>
- <u>Connections Log</u>
- Jobs
- <u>Alerts</u>
- Profile Storage

# Workspaces / Level 1 / UX Panel

The Dashboard UX section allows you to graphically view the most relevant data of the environment, from inventory information, usage, locations, monitoring and much more.

Search <b>Q</b> Level 1	UX Dashboard	
UX Dashboard		01-September-24 / 30-September-24 🛗 📿 Add widget
Workspaces	Current active sessions <sup>©</sup> <sup>le</sup>	Average logon duration per day <sup>©</sup> <sup>305</sup> <sup>205</sup> <sup>105</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup> <sup>05</sup>
Alerts Profile Storage Level 2 > CMDB >		Current active alerts         Image: Ima

The view is configurable and allows data segmentation by customer organization, date filtering, and selecting the widgets that will be part of the dashboard. The configuration of the widgets included in the dashboard, as well as their position and size, persists between user sessions, so this configuration only needs to be applied once.

# **Organization filtering**

By default, the organization selector located at the top right of the screen has the 'All tenants' option enabled, allowing the aggregated information of all organizations the user has access to in Workspaces to be viewed. To view the data of only one organization, it must be selected.

Note: this selector is only visible when the user has access to more than one organization.

# **Date filtering**

The date selector button allows you to apply time filters to the dashboard data:

- Predefined filters:
  - Today
  - Yesterday
  - Last 7 days
  - Last 30 days
  - This month
  - Last month
- Custom filters that allow selecting start and end date and time.

# Widgets

The different information panels within the dashboard are called widgets, which can be repositioned, resized, or directly removed by clicking on the 'x' that appears when you hover over them.

#### **Default widgets**

The widgets offered by default in Workspaces are:

#### Current active sessions

Aggregated concurrent active user sessions on the platform over time. This widget displays data filtered according to the date selector.

#### Average boot duration per day

Organization average boot time (boot) of their devices. This widget displays data filtered according to the date selector.

#### Average logon duration per day

Organization average login time (login) of their users. This widget displays data filtered according to the date selector.

#### Maximum concurrent sessions

Maximum number of simultaneous sessions on the platform during the last month, last week, and today (connected and disconnected users). This widget displays data for a specific time period. Therefore, it is not filtered by the date selector.

#### Active alerts

Summary of simultaneous active alerts related to different environment elements. Information alerts are shown in green, warnings in yellow, and critical alerts in red. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### Inactive users (last seven days)

Users who have ever connected to a session but did not connect during the previous seven days. This widget displays data for a specific time period. Therefore, it is not filtered by the date selector.

#### Workspace by ISP

A view of the different internet service providers in use by the workspaces. Since these are real-time data, date filtering is omitted.

#### Workspace by country

A view of the different countries from which the workspaces connect. Since these are real-time data, date filtering is omitted.

#### Number of Workspaces per Operating system

This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### FlexxAgent version analysis

An analysis of the different versions of FlexxAgent used by the organization and selected operating system, so there is a widget for each supported operating system. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### Top 5 sessions by average duration by user

Top 5 average session duration by user on the platform over time. This widget displays data filtered according to the date selector.

#### Current sessions capacity

Displays information about the number of sessions that can connect according to the current load in AVD (Azure Virtual Desktop) environments.

- Number of session hosts: number of session hosts in the host pool.
- Users per host: number of users that accept each session host.
- Total sessions: number of maximum sessions according with the number of session hosts and the capacity of each one.
- Available: how many new sessions can connect
- Active: current number of active sessions
- Disconnected: current number of disconnected sessions
- Load: current load percentage of the session host according with the current usage and availability. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### Top 10 workspaces by current total used bandwidth

Top 10 workspaces sorted by the currently used bandwidth in KB/s. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### Current session host availability

Displays information about session host availability by host pool in AVD (Azure Virtual Desktop) environments.

- Session hosts: number of session hosts. -Available: how many session hosts are ready to accept new connections.
- %: percentage of session hosts that are available.
- Sessions not allowed: number of session hosts that are in drain mode and cannot accept new connections. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### Top 10 current most loaded pooled session hosts

Top 10 current most loaded pooled session hosts in AVD (Azure Virtual Desktop) environments. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### Average logon duration per pool/catalog

Average logon duration of users in the group (Azure Virtual Desktop) or catalog (Citrix environments). This widget displays data filtered according to the date selector.

#### Top 10 workspaces by current total sessions

Top 10 workspaces sorted by the current number of sessions. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### Average logon duration per operating system

Average logon duration per operating system. This widget displays data filtered according to the date selector.

#### Top 10 recent alerts

Top 10 most recent alerts, sorted by severity. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### Top 10 workspaces by current total RAM used

Top 10 workspaces sorted by the currently used RAM in GB. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### **Current AVD resources**

The number of Workspaces, Host pools, and app groups created in Azure Virtual Desktop. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### **Disconnected Sessions**

Aggregated concurrent disconnected user sessions on the platform over time. This widget displays data filtered according to the date selector.

#### Workspaces per broker

Number of workspaces by agent, grouped by broker. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### Workspace by city

A view of the different cities from which the workspaces connect. Since these are realtime data, date filtering is omitted.

#### Workspaces by wireless connection

A view of the different wireless connections in use by the workspaces. Since these are real-time data, date filtering is omitted.

#### Workspace by public ip address

A view of the different public IP addresses in use by the workspaces. Since these are realtime data, date filtering is omitted.

#### Workspaces per hypervisor

Number of Workspaces per hypervisor. This widget shows real-time data. Therefore, it is not filtered by the date selector.

#### Workspaces by operating system and build number

A ranking of operating system and build number combinations sorted by number of workspaces using each one. This widget displays data filtered according to the date selector.

# Workspaces / Level 1 / Workspaces View

The Workspaces list view allows access to the list of devices that make up the organization. From there you can organize, filter, search, and send operations to the devices.

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# Filtering

The information displayed on the screen can be customized by adding or removing columns of information using Column chooser and saving the filters used for future queries in the user profile.

# Header filtering options

At the top of the screen, there are tools, icons for each attribute that allow you to filter the list based on the following criteria:

- Device technology filter:
  - Device kind: physical or virtual
  - Session broker used: Citrix, RDP or unknown
  - Hypervisor: Hyper-V, Nutanix, vSphere, physical or unknown
- Device state filter:

- The device has active notifications.
- The device is off.
- The device is in an unknown state for the broker.
- The device is in OK state.

Once a device is selected, or through multiple selections, the Operations button gives access to perform various tasks such as Power and connection actions or send Notifications to users. You can check the details of these functionalities in the section Available actions.

In My filters there are also additional filtering options that allow selecting devices according to the applications installed on them.

# List filtering options

The filtering options for the list view are available at Opciones de filtrado del listado.

#### **Filter management**

Filters created through interface options can be saved as user filters. They are located along with the predefined filters in the <u>My filters</u> option

# **Microservices execution**

From the >- button it is possible to execute any microservice enabled for the organization that has System as the configured context. This allows the execution of microservices with administrative permissions on the devices. The actions of enabling, creating, modifying, or deleting microservices are performed from the Portal.

# **Available operations**

Depending on the view from which the Operations button is activated (list view or detail view), access to different actions will be granted.

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Level 1 ~	Workspaces	□ \$ \$	6 🗊 🖸 2	My Filters	Turn on Shut down Restart Power off (not recommended) Force restart (not recommeded) Turn on (Wake on LAN)	Power and connection actio Tags FlexxAgent Maintenance (Drain mode) Refresh Workspace info		search P
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# **Operations from the list view**

From the Workspaces list view, the following operations can be performed on selected devices.

#### **Power and connection actions**

- Power on: only available for devices with an associated broker.
- Power off the device.
- Reboot the device.
- Force power off: only available for devices with an associated broker.
- Force reboot: only available for devices with an associated broker.
- Power on (Wake on LAN): only available for physical devices that are compatible and configured to support remote power on via Wake on LAN.
- Log off user.
- Force log off user.
- Disconnect user session.

#### Tags

Tags are keywords that can be assigned to one or more devices that share some common characteristic, in order to recognize and organize them for efficient management.

To assign one or more tags, first select the devices you want and then, in Operations, click Add. From here, the available tags, if any, will be displayed so they can be associated with the device.

From Edit you can change the tag or assign another to the device. And Delete disassociates a tag from this.

The Filter by tag option in the top menu of the Workspaces list view allows filtering devices by tag name so that actions can be performed on them simultaneously.

# **FlexxAgent**

Allows updating the agent on the selected devices to the latest version available.

# Maintenance (drain mode)

Only available for devices with an associated broker, it allows configuring maintenance mode (Citrix) or Drain (AVD) mode, which inhibits the login for new users on the configured hosts.

# **Refresh device info**

Allows refreshing data for the selected virtual devices with the Citrix and/or Azure broker, easily updating the brokering information of the device, and is very helpful in diagnosing Unavailable or Unregistered states.

This operation does not act on physical devices. And it requires configuring a subscription to the broker from Workspaces.

# Force compliance check

Forces regulatory compliance evaluation at the moment and allows evaluating compliance on the device after making the necessary corrections, without waiting for the refresh time configured in the regulatory settings.

#### Force update custom fields

Forces the retrieval of custom fields configured in settings. This option allows updating on demand, without waiting for the refresh configured in settings.

#### **Remote Administration**

Allows running the Microsoft remote connection, delivering an .rdp or .rdg file. This option is only available for environments connected to Azure Virtual Desktop subscriptions and with Workspace console deployment within the same subscription (also requires network level connectivity Workspace -> Session Hosts).

#### **Remote Assistance**

Allows launching three types of remote assistance:

- Interactive: requires user consent to view and take control of their session.
- <u>Unattended</u>: allows administrative access to server or self-service type devices that do not necessarily have a user on the other side of the screen.
- **Dynamic**: allows an operator to act on a device regardless of whether the user has an active session at that moment.

#### () INFO

On multi-session devices, dynamic remote assistance will only work if there is a single concurrent remote assistance session on the device.

# Machine type

Allows defining the device type for selected devices so they can be organized in different console views. Available options:

• Workspace: type of physical device used by a user. It is visible in the Workspaces section.

- Workspace (AVD Session Host): type of virtual device hosted in Azure Virtual Desktop used by a user. It is visible in the Workspaces section.
- Server: type of physical or virtual device that serves multiple users within the organization or its infrastructure. It is visible in the Servers section.
- Hidden: allows hiding a device from all lists.

# Notifications

Allows sending notifications to selected devices. These can be pop-up notifications or those that reserve part of the screen.

# Change reporting group

This option allows changing the selected devices' reporting group. When changing, the target reporting group configuration will be applied, which includes:

- Remote Assistance configuration
- Organization users with access and/or visibility
- Associated patching policy

If the user changing the report group on the devices has access to more than one organization, they can also "move" the devices to a report group in another organization.

# Workspaces / Level 1 / Workspaces / Detail view

Clicking on the name of a device in the Workspaces list view opens the device details. The interface is structured into four sections:

- Available actions
- General information
- Detailed information
- Tabbed information

# **Available actions**

The detail view allows you to perform the same actions on the active device as in the list view, except for updating FlexxAgent, as well as other actions that are only available in this view.

Available actions:

- Microservices execution
- Perform actions included in the Operations button

# **Microservices execution**

From the >- button it is possible to execute any microservice enabled for the organization that has System as the configured context. This allows the execution of microservices with administrative permissions on the devices. The actions of enabling, creating, modifying, or deleting microservices are performed from the Portal.

# Operations

From the detail view of a device you can perform the same Operations as in the list view, as well as Edit, Session Analyzer log tracking and OS Patching.

#### Edit

This operation allows the user to assign an identification code to a workspace and/or a description.

The code allows associating the device with an inventory item. To edit it, click on Operations -> Edit -> Code.

The Description field allows adding free text as a description or notes to the device.

When the code and/or description are defined, they will be visible in the general information block of the device, and it will be possible to filter by these fields in the list views.

#### Session Analyzer trace logging

FlexxAgent Analyzer logs can be configured to include or exclude information by criticality levels. From Operations -> Session Analyzer trace logging you can manage the log level change for FlexxAgent Analyzer.

Flex							• Q	Log O
Level 1 V	Workspace \						Operations •	>
Workspeces	General						Power and connection actions Tags	•
Sessions ::::	Name	Summary status On	Power state On	FlexxAgent version 24.5.3.4	FlexxAgent status	FlexxAgent last repor 13/09/2024 12:41:1	Edit Maintenance (Drain mode) Refresh Workspace info	,
i III ormection Lago	Connection	Subnet 192.168.1.0/24	MAC address 98-FC-84-E5-92-F4	Network changed			Force check compliance Force update custom fields Remote administration	
joon   Alerta	Sessions 1	Last user	Connected from	Connection time 13/09/2024 1:16	Domain		Remote assistance Machine type	
A. Notice Storage	Wireless network	Network signal 95 %	Code				Notifications	
evel 2 💙	Description ①					None Information	Session Analyzer trace logging Chang Peporting group	•
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\$						Critical Trace Debug		
	Extended					Debug		

These logs are stored in the directory %LOCALAPPDATA%\FAAgent\Logs.

#### Operating system update

This option allows managing the update of the device that uses Windows as the operating system.

Flex	× WORKSPACES						• Q	Log Off
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88 UK Dashboard						C 🛛 -	Operations 👻	$\geq$
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∷⊒ Connection Lage	Connection	Subnet 192.168.1.0/24	MAC address 98-FC-84-E5-92-F4	Network changed			Refresh Workspace Info Force check compliance Force update custom fields	
	Sessions 1	Last user	Connected from	Connection time 13/09/2024 1:16	Domain		Remote administration Remote assistance	• •
Ners	Wireless network	Network signal 93 %	Code ①				Machine type Notifications	•
Level 2 >	Description (i)						Session Analyzer trace logging Change reporting group	,
Level 3 >	Tags					Get pending patches Get installed patches Patch OS now	OS Patching	•

Available options:

- Get pending patches: retrieves, in list format, the patches available for installation on the device.
- Get installed patches: retrieves, in list format, the patches installed on the device.
- **Patch now**: installs the pending patches on the device.

For all patches, Id, Installation/publication date, Severity, and the Title or name of the package are obtained.

# Information obtained from the device

The general, detailed, and tabbed information collected by FlexxAgent varies according to the device's operating system type:

- Windows
- Linux
- macOS
- <u>ChromeOS</u>

#### • Android

# Workspaces / Level 1 / Workspaces / Remote Assistance

Workspaces includes remote assistance tools so that an operator can efficiently access a device and take control of the user's session to solve problems and make system changes.

The operator can manage all the applications the user sees, including those requiring elevated permissions, launched with *Run as administrator* or executed under User Account Control (UAC).

# **Features**

- It supports all types of sessions, such as users on physical devices, VDIs, shared desktops, and even in virtualized application environments.
- Remote assistance works with or without a proxy.
- It is designed to cover end-user devices and devices that do not have a user in front of them, like servers or kiosk-type customer service devices.
- It supports devices running Windows as an operating system.
- Thanks to its configuration options, it can be used for quick remote assistance sessions with users and as a remote access mechanism to infrastructure devices, like servers.

#### () INFO

To minimize the attack surface, exploit vulnerabilities, and maintain device security, FlexxAgent does not install any additional software, so there is no service "listening" for incoming connections. The process runs only (without installation) in real-time when requested from Workspaces.

# **Types of remote assistance**

There are three types of remote assistance:

- Interactive remote assistance
- Unattended remote assistance
- Dynamic remote assistance

# Interactive remote assistance

Interactive remote assistance is aimed at end users. Allows a support operator to access the user's session to see what is happening on their screen or take control easily. This type of assistance requires user consent.



# **Unattended remote assistance**

Unattended remote assistance allows access to server type or self-service kiosk computers, where no specific user is working.

Remote Assistance

Close



#### La sesión de Asistencia remota está lista para conectarse.

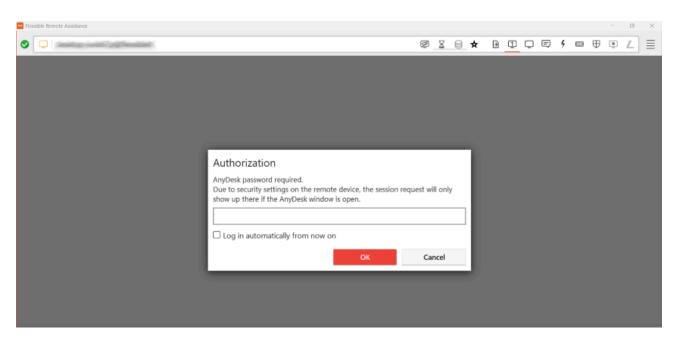
Contraseña: UgKPXUvDt211720102114\_(: 🔲

Para iniciar la sesión de asistencia remota, descargar y abra el archivo de Flexxible Remote Assistance.

Nota: Es posible que deba autorizar la descarga en su navegador.

When the operator performs this action, Workspaces sends the order to FlexxAgent to install a custom Flexxible service, start it up, set up an access password, and inform the operator through the console that the session is already accessible with its respective authentication data:

- Session ID: session identifier.
- Password: dynamic password that regenerates with each session, it is not recommended to store it.
- Download the remote assistance access file for the operator.



Once the access file is activated by the support operator, you will need to enter the session password to take control of the device.

#### () INFO

After 15 minutes since the end of the unattended remote assistance connection, it will no longer be possible to reuse the same authentication data or access file. The service will be deactivated from the device and the session password will have expired.

# **Dynamic remote assistance**

Dynamic remote assistance allows an operator to act on a device regardless of whether the user has an active session at that time.

When a dynamic remote assistance is launched, FlexxAgent checks the active sessions on the device; if there is any, it launches the interactive remote assistance process. On the contrary, if there is no user session active, it will trigger the unattended remote assistance process, allowing the operator to access the device to perform maintenance tasks, even using other user accounts to log in, without interfering with the user's session or data.

#### () INFO

When a device is configured to receive dynamic remote assistance, the operator will not have the option to launch an unattended remote assistance process on any session of the device from the Sessions view.

To receive dynamic remote assistance, the device receiving the assistance must have version 24.9.2 or higher of FlexxAgent installed.

Although the reporting group to which the device belongs has been configured to receive **dynamic remote assistance**, Workspaces will display the three options to start remote assistance: <u>interactive</u>, <u>unattended</u>, and <u>dynamic</u>. In that specific case, the operator will not be able to activate interactive or unattended remote assistance. If attempted, Workspaces will display an error message.

# **Requirements to perform remote assistance**

- The device receiving remote assistance must have **FlexxAgent 23.7 or higher** installed (24.9.2 or higher for dynamic remote assistance).
- Connectivity of the devices to <u>https://ras.flexxible.com</u>, via TCP port 443.

#### () INFO

If FlexxAgent restarts during a remote support session, the session will be interrupted.

# Settings

For a device to receive remote assistance, it must be configured from the <u>FlexxAgent</u> <u>Settings (Remote Assistance)</u> of its <u>reporting group</u>. From there, you can choose which type of remote assistance devices will have access to.

# Edit FlexxAgent settings Environment FxxOne (FXXOne) Remote support Interactive

# Activation

Once the configuration is done, from the support side, when you want to activate remote assistance on a device, it should be done from the Workspaces module, having previously selected the device to be assisted. Level 1 -> Operations -> Remote Assistance. And then choose the type of remote assistance to be provided: interactive, unattended, or <u>dynamic</u>.

		DRKSPACES	vorkspaces.flexxible.com/	west-eu-01.one.workspa		ice		🗞 🖆 📑 🛓 🧲 🗄
Level 1 V	Work	spaces			Aceptar	Cancelar	Filter by workspace group	Text to search P
Workspaces				\$		₽ ◊	0000000	Operations     Power and connection actions
Sessions		Platforms	Machine †	Last user	Sessions	CPU	% RAM Uptime Code	Tags +
					0	O 96	0.96	FlexxAgent
					1	42 %	77 % 49m	Refresh Workspace info
		📑 📀 🌍		Constraint Constraints	1	13 %	🕕 78 % 2d 5h	Force update custom fields
Alerta					1	4.96	0 78 % 13h 8m	Remote administration ,
Profile storage			<mark>.</mark>	and and a second s	0	0.96	Start remote assistance Start unattended remote assistance	Remote assistance
Level 2 🔸					1	2.96	Start dynamic remote assistance	Change reporting group
			mp.	100000000	0	0.96	0 %	
	< 1	Count=7						Page size 20 *

The remote assistance operation can be <u>activated</u> both from the <u>Sessions</u> view and from Workspaces.

When the operator launches the Start remote assistance request, FlexxAgent initiates a process (with the user's permissions) on the device and notifies the user.



#### Activation file download

The support operator needs to download an activation file to provide the remote assistance service. The type of file will depend on whether the device providing support has FlexxAgent installed or not.

#### File for devices with FlexxAgent installed

If the support operator's device has FlexxAgent installed, they should download the Flexxible Remote Assistance file, with the extension ".flxra", and run it by double-clicking on it.

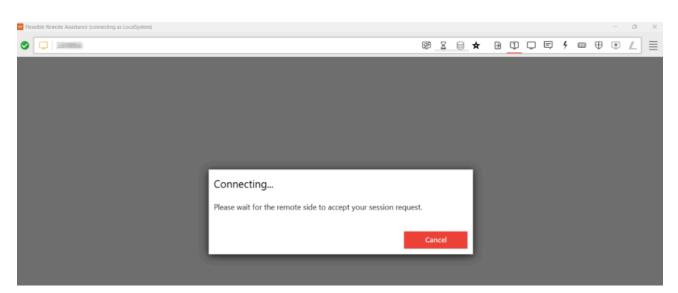
This file will run with the user's permissions, without installation, and will remain active for the duration of the remote assistance session. Once the session is over, the process will be stopped and the file will be automatically deleted from the filesystem.

Flex				REMOTE ASSISTANCE DESKTOP	Close
Level 1					
C. Sessions		Machine † I	Power state	The remote assistance session is ready to connect.	
:= Connection logs				To start the remote assistance session, <b><u>download</u> and open the Flexxible Remote Assistance fil</b>	
D jobs	0 🔡 😐			Note: You may need to authorize the download in your browser.	
				If you don't have FlexxAgent installed, instead of using .flxra version, you can download <u>.exe</u> vers	ion
Profile storage	$\langle \underline{1} \rangle$				
Level 2 >					
	Designed by Flexcibl	e <sup>1</sup> Version 24.10.2.9			

#### File for devices without FlexxAgent installed

If the support operator's device does not have FlexxAgent installed, they should download the file with the ".exe" extension and run it by double-clicking on it.

This file will run with the user's permissions, without installation, and will remain active for the duration of the remote assistance session. Once the session is over, the process will be stopped, but the file will not be automatically deleted from the filesystem.



Next, in both cases, the consent request will be sent to the user.

Wait for the user's consent.



Once remote assistance is accepted, the support operator can gain control of the session.

() INFO

Even if the file is executed without administrative permissions, access is not denied to the administrative tools needed for support delivery. These are in the Flexxible Tools menu, in the upper left corner of the remote assistance window.

# **Processes**

When the operator downloads the remote assistance file from Workspaces, the following processes will be generated and run automatically:

- FlexxAgent.exe
- FlexxibleRA.exe

RE	Task Manager		Q	Type a name,	, publisher, or	PID to	search
≡		Details					
₽	Processes	Name	PID 20292	Status Running	User name SYSTEM	CPU 02	Memory (ac 117,860 K
4	Performance	FlexxibleRA.exe	20292	Running	3131 EIM	00	6,736 K

# Behavior of remote assistance through proxy

From the operator's perspective, the operation is as follows:

• When executing the ".flxra" or ".exe" file, it is checked if the Proxy\_Url key exists in the FlexxAgent keys. If yes, it uses it if accessible. Otherwise, the AnyDesk binary is launched with autodetect.

From the end user's perspective, when remote assistance is performed:

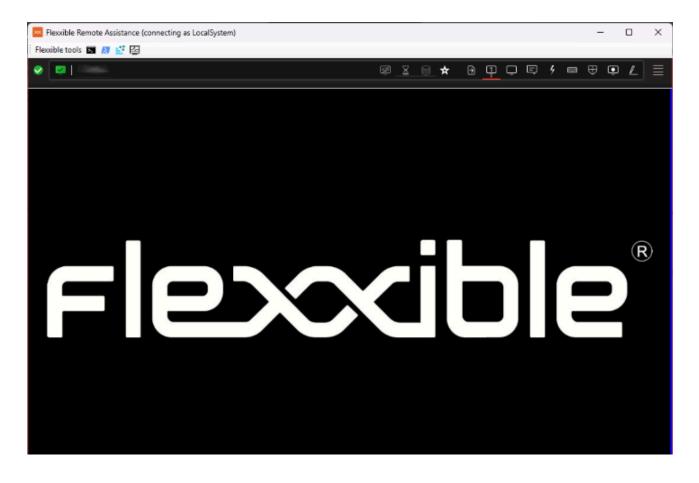
- FlexxAgent will detect if the proxy is configured, if it detects it and is accessible, it uses it. Otherwise, the AnyDesk binary is launched with autodetect.
- If the proxy configuration registry keys do not exist, it will detect if the operating system has the proxy configured. If it detects it and it is accessible, it uses it.

Otherwise, the AnyDesk binary is launched with autodetect.

# **Flexxible Tools**

The remote support file runs with the user's permission level; however, the user may not have local device admin privileges. To cover these cases, Flexxible Tools has been incorporated.

Flexxible Tools allows activation of administrative tools in remote assistance. These are a series of embedded functions that can be accessed from the top left of the interface.



These tools can be executed with the following administrative permissions:

- CMD
- PowerShell
- Registry editor
- Task Manager

If the user has permissions on the Portal, Flexxible Tools can be activated for users by role. This can be done in two ways:

- From Portal -> Configuration -> Products: for each product in the list, there is a
  FlexxAgent Configuration button that allows applying the change to all reporting
  groups.
- From Portal -> Configuration -> Reporting Groups: for one or several reporting groups, functionality can be activated or deactivated.

#### () INFO

The proper functioning of Flexxible Tools requires that both the operator's device and the device receiving remote support have FlexxAgent installed from the same environment.

# Workspaces / Level 1 / Sessions

The Sessions view allows you to organize, filter, search, and send operations to active user sessions.

rle <mark>&gt;</mark>	<b>∝</b> wα	ORKSPA	CES										0		Log Off
Search Q	Text to sea	rch													
LIK Dashboard										My Filters 🔹	Filter by	workspace g	roup	Fext to search	Q
Upricipacies						Ģ (	9 🖸	?			c) 🖻			• Operat	tions 👻
C Sessions		Machine †	RG Tenant	Pool / Catalo Device Kind	Machine ty	pi User	Subscription	n. Session ty	/pe Id	Connection	s Start Date	CPU	RAM	RTT	Status
Connection Logs		O internet. net	Constitution Construction	□	Device	1			1	Active	10/10/2024 12:53:27	6%	0,73 GB	0 ms	
			Constant State		Device	1.000			1	Active	08/10/2024 14:55:38	1 %	0,78 GB	0 ms	
Alerts Profile Storage		Constant Localitation Localitation Localitation	in the second se		Device			Name of Concession, Name o	1	Active	10/10/2024 22:36:28	15 %	1,66 GB	0 ms	

The information displayed on the screen can be configured by adding or removing columns of information using the Column Selector and saving the filters used for future queries in the user profile.

# Header filtering options

In the upper right area of the screen, you will find tools and icons for each attribute that, when clicked, allow you to filter the list based on the following criteria:

- Session device type: physical or virtual.
- Session broker used: Citrix, RDP, or unknown.
- Hypervisor: Hyper-V, Nutanix, vSphere, physical or unknown.

Once the session is selected, or through multiple selection, the Operations button gives access to perform various session management tasks such as Power and connection actions or send Notifications to users. You can check the details of these functionalities in the section <u>Actions on devices</u>.

# List filtering options

The filtering options for the list view are available at <u>filtering-options-in-listings</u>.

#### **Filter management**

Filters created through interface options can be saved as user filters. They are located alongside predefined filters.

# **Available operations**

The Operations button allows you to perform the following operations:

#### **Session management**

The first three buttons of the Operations menu allow you to perform session management actions:

- Log off.
- Force log off.
- Disconnect the session.

# **Remote Assistance**

Allows launching remote assistance to users in <u>interactive</u> mode, which requires user consent to view and take control of their session; or execute unattended remote assistance, which allows administrative access to server or self-service type devices that do not necessarily have a user on the other side of the screen.

# Notifications

Allows sending notifications to selected devices. Notifications can be pop-up notifications or notifications that reserve a screen area.

#### () INFO

In some devices with Windows 10 1903+, the Automatic Restart Sign-On (ARSO) may generate ghost sessions in the session view after an update reboot. To adjust this behavior, please refer to <u>this guide</u>.

# Workspaces / Level 1 / Sessions / Detail view

GENERAL					
User	Machine ①	Session type ① Workspace	Start Date ① 09/10/2024 8:57:36	Connected from ①	Connected ① Yes
Device kind ① Physical	Session analyzer ① Running	Subscription/Broker ③	Pool / Catalog ①	Delivery group 🛞	
1					
	nce Logon info Notifications	Group Policy (GPO)			
Connections Performa	uration ®		User logon his	story ®	
	Uration ®	ks Start Layout init 1,9 s	09-Oct-24 08:57 08-Oct-24 23:14 08-Oct-24 21:32 05-Oct-24 14:02	story ®	
	uration ®	ks Start Layout init 1,9 s	09-Oct-24 08:57 08-Oct-24 23:14 08-Oct-24 21:32	story ®	

When clicking on a record in the session list, you access the details of the selected session. The interface is structured into 3 sections:

- Available actions at the top
- General information
- Specific information segmented into tabs at the bottom

# **Available actions**

From the device detail view, it's possible to perform the same actions as in the list view for the active device. This includes:

- Microservices execution.
- The actions included in the Operations button

# **Microservices execution**

From the >- button, you can execute any of the microservices enabled for the organization that have Session as a configured context. This allows the microservices to

be executed under the user's identity. The actions of enabling, creating, modifying, or deleting microservices are performed from the Portal.

# Operations

From the Operations button, you can execute the actions detailed in <u>Available Operations</u> for the active device.

# General

The general information block of the device contains:

- User: User of the session in domain\user format.
- Machine: Device hostname.
- Session Type: Session type, which can be Workspace or application for virtualized application sessions.
- Start Date: Date and time of session establishment.
- **Connected From**: When the selected device is a VDI or similar, it shows the endpoint name from which the virtual device is accessed.
- **Connected**: Indicates whether the user is actively connected to the session, or has disconnected from it, otherwise.
- Device Type: Which can be virtual or physical.
- Session Analyzer: Indicates whether the FlexxAgent session analysis process is active or inactive.
- Subscription/Broker: If used, the Microsoft Azure or Citrix service that manages user connections to the workspace (i.e. Microsoft Azure Virtual Desktop (AVD), Citrix DaaS, Citrix On-premises).
- Group / Catalog: If used, a collection of machines that defines the specifications of the workspaces and how they are provisioned to users (e.g. e.g. host pools in Azure Virtual Desktop or machine catalogs in Citrix).
- **Delivery Group**: If detected, a collection of machines is selected from one or more machine catalogs. It specifies which users can use those machines, plus the applications and desktops available to those users.

## Tabs

The tabs at the bottom show specific grouped information, including the following tabs:

- <u>Connections</u>
- Performance
- Login information
- Notifications
- <u>Group Policy (GPO)</u>

#### Connections

Connections	Performance	Logon info	Notifications	Group Policy (GPO)			
						Today	•
Start	Ļ			End	Endpoint		Reconnection
10/10	/2024 14:07:10			11/10/2024 0:07:10			~
Count	-1						

This tab contains information about the device's connections, i.e., each time a user starts or reconnects a disconnected session.

The session end date is only reported for disconnected or closed sessions; while the session remains active, the session end date will remain empty.

#### Performance

This tab	groups	grapl	hs of th	e main performance counters for the last two hours.
Connections	Performance	Logon info	Notifications	Group Policy (GPO)

For more detailed information click <u>here or visit the session analyzer portal.</u>	
Session CPU <sup>(0)</sup> 100 % 80 % 60 % 40 % 20 % 0 % 6 % % % % % % % % % % % % % % % % % % %	Session Memory <sup>(1)</sup> OB GB OA GB OA GB OCB OCB OCB OCB OCB OCB OCB OC
Session User Input Delay <sup>(0)</sup> 1 ms 0.6 ms 0.4 ms 0.2 ms 0 ms <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup> <sup>(0)</sup>	Session Round-trip time (RTT) <sup>(0)</sup> 400 ms 500 ms 700 ms 7

Graphs are included for:

- CPU: Percentage of session processor usage, excluding resources used by other sessions or system processes.
- **Memory**: Amount of memory used, excluding resources used by other sessions or system processes.
- Session User input delay: User input delay refers to the time lag between when a user performs an action, such as clicking a mouse button or pressing a key, and when the corresponding response is displayed on the screen or executed by the computer.
- Session Round Trip Time (RTT): The time it takes for a data packet to travel from the user's device to a server or remote destination, and back to the user.

At the top of the tab, a link allows direct access to the diagnostic view for the active session in Analyzer.

#### Login information

Last logon duration $^{\odot}$			User logo	on histo	ory ®					
	Group Policy 5,54 s User Profile 0,17 s Pre-Shell 0,01 s	Start Layout Init 4,21 s ActiveSetup 0,01 s	07-Oct-24 11:09 30 5ep-24 15:45 23 5ep-24 15:45 23 5ep-24 15:45 16 5ep-24 11:16 16 5ep-24 11:16 16 5ep-24 11:16 25 5ep-24 11:16 25 5ep-24 10:03 24 5ep-24 10:03 24 5ep-24 10:03 24 5ep-24 10:03 24 5ep-24 10:03 24 5ep-24 10:05 24 5ep-24 5ep-24 10:05 24 5ep-24 10:05 24 5ep-24 10:05 24 5ep-	s 5s	10s 15	s 20 s	25.5 30	0s 35s	40 s	45 s 50 s

	Total	ActiveSetup	AppX Load packages	FSlogix Shell Start	Group Policy	Logon Tasks	Pre-Shell	RunOnce	Start Layout Init	User Profile
07/10/2024 11:09:59	48 s	0,03 s			6,46 s	5,75 s	0,01 s		3,69 s	5,41 s
30/09/2024 10:52:40	26 s	0,01 s			15 s	4,52 s			3,81 s	5,62 s
26/09/2024 15:45:21	9 s	0,01 s			5,54 s		0,01 s		4,21 s	0,17 s
23/09/2024 10:53:12	26 s	0,04 s			15,12 s	7,69 s			5,9 s	5,46 s

This tab allows you to view detailed information about user login times. The view is composed of two sections: At the top, two graphs are displayed. The first shows detailed information about the user's last login and the times of each step, and the second graph offers a view of historical logins and their duration in seconds.

At the bottom, there is a table with details of each login step for each recent user login.

#### **Notifications**

Allows you to see if the session has any active notifications and their configuration data. When there are active notifications, a warning is shown at the top of the page.

#### **Group Policy (GPO)**

Connections Performance Logon info Notifications Group Policy (GPO)		
lote: GPO info update interval is 10 minutes.		
Display name 🕴	Last application time	
Type: Machine (Count=18)		
▼ Type: User (Count=6)		
	17/07/2024 17:16	
	17/07/2024 17:16	
	17/07/2024 17:16	

This tab shows information about the group policies applied to the active session. It allows you to view the names of the policies applied, both at the user level and at the device level.

# Workspaces / Level 1 / Connection Logs

The connection log allows you to view the historical session logs of users in the organization.

Search Q Level 1	Connection logs							
B글 UK Dashboard						My Filters 🔹	Filter by workspace group	Text to search
Workspaces			□ �		ß		All	Today *
C Sessions	User Start ↓	End	Machine name	Device kind	Machine type	Endpoint	Reconnection Subscriptio	m/Broker Pool / Catalog
:= Connection Logs					Workspace		×	
					Workspace		×	
		11/10/2024 12:00:13			Workspace		×	
	Construction of the Construction of America	11/10/2024 11:55:08			Workspace		×	
Profile Storage					Workspace			
Level 2 >			10000	Ģ	Workspace		×	

The information provided in this view is (by default):

- User: username of the session account
- Start: start date and time of the connection
- End: end date and time of the connection (an empty field means the session is still open)
- Machine name: The device to which the user is connected.
- Device type: type of device, virtual or physical, used for session connection.
- Machine type: type of machine, device, or session host, serving the connection.
- Terminal: host name of the originating physical connection device
- Reconnection: checks if this session is a reconnection from the previous one.
- Subscription/Broker: name given for each supported subscription and broker.
- Group/Catalog: name of the host group containing the workspace.

This section allows the use of the column selector and the <u>Filtering options</u> also available in the <u>Sessions</u> section.

# Workspaces / Level 1 / Jobs

Each action performed in Workspaces generates a Job. These allow analyzing the results of the executions performed; for example, by checking the output of a microservice execution. Jobs gathers all the jobs performed in the organization, so it also provides historical execution records, which allows it to be used as an audit log.

# **List view**

rle <mark>×</mark>	×wor	KSPACES				$\Diamond$	Log Off
Search Q Level 1 💙	Jobs						
UK Dashboard						My Filters 🔹	Text to search P
Workspaces					G 🖻 Car	ncel job 🔹 🔹	Today -
C Sessions		Info	Status	Creation date $\downarrow$	Start time	End time	Owner
		Microservice on (LS_disk_cleanup) requested by 'Automatic operation trigger'	Completed	11/10/2024 12:03:00	11/10/2024 12:03:00	11/10/2024 12:03:05	Automatic operation trigger
L. Alerts		Microservice on (LS_disk_cleanup) requested by 'Automatic operation trigger'	Completed	11/10/2024 11:57:58	11/10/2024 11:57:58	11/10/2024 11:58:03	Automatic operation trigger
Profile Storage		Microservice on (LS_disk_cleanup) requested by 'Automatic operation trigger'	Completed	11/10/2024 11:56:56	11/10/2024 11:56:56	11/10/2024 11:57:01	Automatic operation trigger

The jobs view consists of the following elements:

- Options at the top of the interface
- Job list view

#### **Top options**

- Refresh the job list and show updated values.
- Resets all settings made for the jobs view.
- Filter jobs by age:
  - Today (default filter)
  - This week
  - This month
  - This quarter

- This year
- The Cancel button allows canceling jobs in pending status.
- The Notify button allows you to subscribe to a specific job to receive an email notification when it is completed.
- The Export to button allows exporting in the selected type.
- The My filters button allows access to Predefined filters or user-created filters.
- Jobs can be filtered by any parameter in the list in the Search box.

#### **Jobs list**

The job list, like all list views in Workspaces, allows multiple filtering and customization options as defined in <u>Filtering Options in Listings</u>.

## **Detail view**

Flex					C Log Off
Search Q Level 1	Jobs \ Microservice on	(LS_disk_cleanup) re	equested by 'Automatic operation trigg	er'	
88 UK Dashboard				Ø	Show Cmdlets
Workspecies	JOB INFORMATION				
Sessions := Connection Lags	100% Duration: 00:00:05	Name Microservice on (LS_disk_cle anup) requested by 'Automatic operation trigge r'	Status Completed	Start time 11/10/2024 12:03:00	End time 11/10/2024 12:03:05
Jobs Alerts		Owner Automatic operation trigger	Scheduled date 11/10/2024 12:02		

The detail view includes a progress bar indicating the percentage of the job that has already been executed.

#### **Statuses**

A job can have four statuses:

- Pending: the task is pending to start.
- In progress: the task has started and is still in process.
- Completed: the task has finished.

- Error: the task did not finish correctly or ended with errors.
- Canceled by the user: when a user cancels the task.
- **Completed with errors**: when the task has been completed, but at least one step failed with non-critical errors.

Suppose a job takes too long in the "in progress" state without recording any information. In that case, its state will automatically change to Error. However, this does not mean that the job will not be completed successfully, but there is a timeout due to an activity block during the task execution.

#### **Available information**

In all cases, jobs include the following information:

- Change to be made (INFO)
- State
- Created date
- Start Date
- End Date
- User who made the change (OWNER)

At the bottom of the screen, depending on the type of job, the following tabs may appear:

- <u>Logs</u>
- <u>Workspaces</u>

#### Logs

The logs tab allows consulting the data of each step in the execution; for example, when a microservice is executed on a device and you want to check the script execution output. This information is saved in the corresponding step (log line in list).

To improve the visibility of script outputs, it is recommended, in the case of PowerShell scripts, to use the Write-Output command instead of Write-Host. More information at <u>Considerations about the code to use</u>.

#### Workspaces

The Workspaces tab allows you to easily see the information of the devices that executed the job, in case of multiple executions.

# Job subscription

This feature allows subscribing to specific jobs, that have not yet started or are in progress. The system will notify by email when they are completed.

To subscribe, select the jobs from the list and activate the Send notification button.

# Workspaces / Level 1 / Alert

Workspaces has a real-time monitoring system, with all the relevant alerts from devices, sessions, and other important environment information.

The list of active alerts can be found in the Level 1 -> Alerts section.

Fle×						All tenants 🔹	C Log Off
Search Q Level 1	Alerts						
Dashboard UK						My Filters 👻	Text to search
Workspeces					C Export to	- Active	• • •
D Sections	Severity	Alert definition 🕆	Information	Alert status	Alert start	Date notified	Element
:= Connection logs	U Warning	High RAM usage for Workspace	RAM usage: 95 %	Active	27/02/2024 9:26:57	27/02/2024 9:36:04	
joba	Critical	Low storage free space % for FSLogix Profile	User: FLE Free: 2.49 GB, Used: 95%	Active	16/02/2024 14:33:55	16/02/2024 14:33:56	
Profile storage	Critical	Low storage free space % for FSLogix Profile	User: FLI Free: 1.71 GB, Used: 96%	Active	16/02/2024 14:32:55	16/02/2024 14:32:55	
Level 3 >	Critical	Low storage free space % for Workspace	Drive: C: Free space: 12 GB, Used Percentage: 83%	Active	26/02/2024 13:40:58	26/02/2024 13:40:58	
смов > фз >	Critical	Low storage free space % for Workspace	Drive: C: Free space: 14 GB, Used Percentage: 81%	Active	26/02/2024 20:10:51	26/02/2024 20:10:52	
69 · ·	Critical	Low storage free space % for Workspace	Drive: C: Free space: 14 GB, Used Percentage: 94%	Active	08/01/2024 7:54:49	08/01/2024 7:54:49	

### Available actions at the top of the list

As in all Workspaces list views, a series of tools are concentrated at the top to facilitate filtering and management. Included:

- 1. Refresh the view.
- 2. Restore default view.
- 3. Export the current view to CSV File or XLSX File.
- 4. View alerts by status: Active, Active or Warning, Ignored Or All.
- 5. Enable notifications for an alert.
- 6. Disable notifications for an alert.
- 7. Filter by various categories.

8. Search alerts by text.

All active alerts allow notifications to be disabled, so they can be "hidden".

#### Alerts in device or session views

Alerts are also visible in the list and detail views of the Workspaces and Sessions sections:

Platforms	Machine †	Power state	Last user	Sessions	CPU	% RAM	Uptime	Status	Connection
🗆 <table-cell-rows> 🖵</table-cell-rows>	54PW463	On	REXIBLE diviesta	1	4 %	67 %	19h 18m	Ø 🛰	Ŷ
🗆 <table-cell-rows></table-cell-rows>	ALAN-WORK	Non reporting	RLEOIIBLE\apadilla	0	0 %	O 96		*	
🗆 <table-cell-rows> 🗖</table-cell-rows>	AMELONI-LAPTOP	On	R.DOXBLP.ameloni	1	3 %	54 %	6d 2h	Ø 🛰	
	ANDROMEDA	On	REXIBLE/fieldini	1	5 %	1 78 %	13d 2h	⊘ 🛰	9
🗆 💾 🧔 🛯 🔺	avd-wintt-d	Off	PLEXXIBLE/inperez	0	0 %	0 %		Þ 💊	
🗆 <table-cell-rows> 🗖</table-cell-rows>	GL0PE2414	On	FLD00BLD/cloper	1	1 %	63 %	2d 23h	⊘ 🥆 🤱	φ.
o 📙 🔶 🗊 🔺	CPC-sprat-P21DB	On	FLEIDERLEveprat	0	1 %	35 %	12d 6h	$\odot$	φ

When a device has an active alert, in addition to the system alert itself, an alert icon ! can be seen in the device list view.

A warning is also added when accessing the details screen.

Active alerts: - [Critical] Low storage free space % for Workspace: Drive: C: Free space: 38 GB, Used Percentage: 84%								
General								
Name ANDRONADA	Summary status On	Power state On	FlexxAgent version 24.2.0.0	FlexxAgent status	Domain flexxible.com			

# Workspaces / Level 1 / Profile Storage

When FlexxAgent detects the use of FSLogix profiles in user sessions, it collects information about them in this section.

rle <mark>×</mark>	ex Workspaces								All tenants	-	Q	Log Off
Level 1 ~ Deshboard UX	Profi	le storage								My Filters 👻	Text to search	٩
Workapaces Sessions		Account Name With Domain	Last active	Days	Type	Capacity (GB)	Used GB	VHD Size (GB)		• X •	Normal	-
:= Connection Logs			31/10/2022 16:06:49	626	F5Logix office and search profile	48,83	0,32	0,00	🕑 ак			2.4
Joba Alerta			04/08/2023 8:33:07	349	F5Logix user profile	0.00	5,57	9,13	🕑 ок			
Profile Storage			04/01/2023 19:07:26	561	FSLogix user profile	48,83	0,60	0,00	🥑 ок			
Level 2 >			06/07/2023 16:33:19	378	FSLogix user profile	48,83	2,44	2,85	🕗 ок			
CMDS >			27/06/2024 12:10:39	21	F5Logix user profile	48,83	0.25	0,38	🕑 ок			
			18/07/2024 7:10:32	D	FSLogix user profile	48,83	11,95	18,10	📀 ок			

This information is also visible as a tab in the active session details view.

### **List view**

This view groups all detected profiles and allows the same <u>filtering functionalities</u> available in Workspaces.

#### **Available operations**

At the top of the interface, the Profile Data button allows you to perform the following operations with the selected profile(s):

- **Delete profile**: removes the VHDX file from the folder, allowing a new VHDX file to be created at the user's next login.
- Compact now: starts a compaction job using Jim Moyle's "Invoke-FslShrinkDisk.ps1".

- Compact Now Forcing Logout: Forces any existing user session to close and initiates a compaction operation.
- Set status to Ok: when an operation fails, this option returns the profile to an "OK" status in the list.
- **Remove from this list**: removes the profile from the list. If it still exists physically, it will appear back in the list when the agent detects it again.

## **Detail view**

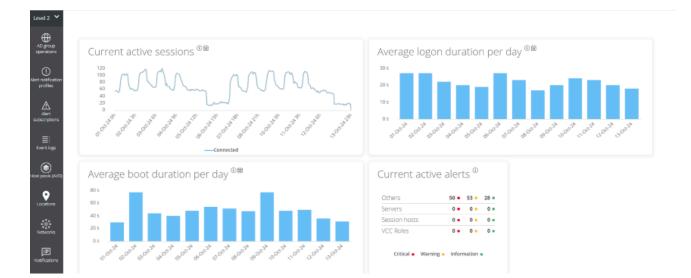
The profile detail view contains all the information, as well as the history of actions performed on them. Information fields available for a profile:

- User: in domain\account format
- Path: UNC path to the profile storage
- Status: indicates if the profile is functional or has any integrity issues.
- Is backup: determines if it is a backup profile and therefore not directly accessible to the user.
- Type: type of profile. It may be the profile itself or Office caches.
- Uses Cloud Cache: indicates if the Cloud Cache functionality is enabled.
- Last activity: last usage record in date and time format.
- Days Inactive: Indicates the number of inactive days in the profile.
- Machine: Last device that used the profile.
- VHD size (GB): current profile size.
- VHD size update: date and time of the last data update by FlexxAgent.
- Used (GB): Space occupied by the profile in GB.
- Capacity (GB): Maximum space available in the profile.
- Last compaction: date and time of the last compaction.
- Last size update: last profile size refresh by FlexxAgent.
- Last Update Duration: Processing time for data retrieval.
- Notes: Allows adding annotations to the profiles.

The bottom contains a table with the list of historical compactions performed on the selected profile.

More information about this functionality and its configuration in FSLogix Optimization.

# Workspaces / Level 2



The Level 2 section groups functionalities to expand the range of available actions. Includes access to configuration functions that allow sending alerts externally, accessing the unified Windows event log, notifications management, and servers.

Functionalities available at this level:

- Alert notification profiles
- Alert subscriptions
- Event Logs
- Notifications
- <u>Servers</u>
- Locations
- <u>Networks</u>
- <u>Wifi networks</u>

# Workspaces / Level 2 / Alert notification profiles

This function allows a user with the Level 2 role to configure an alert notification profile. An alert notification profile consists of a name and an email address and allows subscribing to specific alert definitions to receive an email when they are triggered.

You can access this functionality from the Workspaces -> Level 2 -> Alert Notification Profiles module.

Flex	WORKSPACES	All tena	ants	•		Log Off
Level 1	Alert notification profiles					
Level 2 💙				My Filters 🔹	Text to search	Q
Alert notification profiles			New	Delete	C B	× •
Alert subscriptions	□ Name †	Mail list				
≣: Event logs						
	Count-1 < <u>1</u> >				Page size 20	-

Creating a notification profile is very easy. Just click on New, provide a name and email address, and save the changes.

To receive alerts via email, you need to select the alerts of interest and subscribe to them. More information at <u>Alert subscriptions</u>.

# Workspaces / Level 2 / Alert Subscriptions

You can access alert subscriptions via the side menu Level 2 -> Alert subscriptions

Flex	WORKSPACES		All tenants + 🗘 Log Of
Search Q Level 1 >	Alert subscriptions		
Level 2 💙			My Filters
Alert notification profiles			New Delete Ø 🗗 🗵 -
Alert subscriptions	□ Alias ↑	Alert notification profile	Alert definition
≣: Event logs	Boot duration	The other contraction profiles	Boot duration
•	High CPU usage for Workspace	the first continues position	High CPU usage for Workspace
Locations e.Y.o	Count=2		
o tho 9-0-6 9 an Networks	$\langle \underline{1} \rangle$		Page size 20 -

Alert subscriptions allow you to receive important alert notifications as needed. For example, if a user only wants to receive alerts related to low mobile or wifi signal on the devices, they can subscribe to Low connection signal for Workspace in Alert definition, so they will only receive alert emails of this type.

# **Creating subscriptions**

To create a new alert, you have to click on the New button at the top right of the list view and fill in the following fields:

- Alias: a friendly name for the subscription
- Alert definition: the type of alert that will be used
- Alert notification profile: the type of alert notification that will be used

An email with the alert data will be sent once the subscription is created, if any of the alert definitions associated with it are triggered.

# Workspaces / Level 2 / Event Logs

The event log is a powerful diagnostic tool that, by default, centralizes critical and error events.

# **List view**

This tab presents information about the log events present on the device. By default, it filters the errors and only shows those errors with Error or Critical severity and retrieves them from the device at ten-minute intervals. This time can be modified in the Workspaces settings.

The Event Log section lists the event viewer events for Windows devices. By default, Workspaces only processes and shows in this section the critical and error events from the application, security, and system event logs.

Flex		PACES		All tenants - 🗘 Log Off	
Level 1 > Level 2 ~ Alert notification profiles	Events logs				My Filters   Text to search
subscriptions	Event log data	a collection is enab	led. Event types: Error and Critic	al, Frequency: 10 minute	25.
Event logs	Event date 🗍	Level	Source	Machine name	Message
Constitutes	11/10/2024 11:59:48	• Error		100000000	[Thread       ][.       The execution request Notifications is not informed.         Cause: System.ApplicationException: The execution request Notifications is not informed.
E Servers	11/10/2024 7:06:33	error	Service Control Manager	121020000000	The Servicio de Google Update (gupdate) service failed to start due to the following error: The service did not respond to the start or control request in a timely fashion.

The default view is for Today, which starts at 12:00 p.m. in the time zone defined in the Workspaces instance. The time filter can be changed to the values:

- Today
- This week
- This month

- This quarter
- This year

#### **Filtering options**

This view allows the same <u>filtering functionalities</u> available in Workspaces. An example would be to filter by an event with a specific ID to obtain a list of affected devices, subsequently applying corrective actions.

#### **Events logs info in Workspaces**

Sessions	Performance	Jobs	Alerts	Event log	Connection le	ogs Wi	ndows services	Disks	Boot history	Notifications	Security	Compliance	Group Policy (GPO)	PnP Devices	Syste ( )
												a I	* Today		•
Event log data collection is enabled. Event types: Error and Critical, Event (from agents with version >= 22.10.0.0), Frequency: 10 minutes.															
Date 🗍	Level		Sour	ce	Ð	vent ID	Message								
10/10/202 22:07:29	4 <b>()</b> 1	irror	Micro	osoft Office 1	6 Alerts З	00	Failed to StoreId=( P1: Apps P4: New	null) for Office		Overrides					
10/10/202 22:07:29	4	irror	Micro	osoft Office 1	6 Alerts 3	00	-	e=Unkno	ement: Version( wn, Storeid=(n e	and the second second second					

In the details view of a Windows device, a tab is activated that groups the event logs for that device.

## **Detail view**

The detail view of an event log contains all its information:

- Event Date: event registration date in day and time format
- Level: event severity level
- Source: event source
- Event ID: numeric identifier of the event
- Log File: event log file that hosts the event
- Machine Name: hostname of the device that logs the error

• Message: content of the event message

## **Additional event settings**

Users with an administrator role can add events that do not meet the default filtering conditions to, for example, add events with a specific ID that, although they have an informational severity level, are relevant to the organization, as well as change the log update time.

# Workspaces / Level 2 / Locations

Workspaces supports physical locations as a grouping entity for devices and networks, to which coordinates can be linked for geolocation.

## **List view**

rle <mark>&gt;</mark>	C WORKSPACES		C Log Off
Level 1 > Level 2 > Ad group openations	Locations		My Filters    Text to search
Nert notification profiles	Name	Address	
Alert	(mechanic technology)		
subscriptions Event logs Host pools (AVD)	Count=0		
Locations			

Networks allow associating one or more wireless networks to them, and locations allow associating multiple networks.

# **Detail view**

A location consists of the following information:

- Name: friendly name of the location
- Address: postal address
- Latitude: numerical value of latitude
- Longitude: numerical value of longitude

At the bottom, you can see the tabs:

- Networks: networks identified by FlexxAgent included in that location; it contains two options:
  - Link: allows linking a new network to the policy.
  - Unlink: allows unlinking a network from the policy.
- Workspaces: devices included in the location

# Workspaces / Level 2 / Networks

FlexxAgent collects multiple network information from devices. When more than five devices report the same network in the same organization, the network is automatically created in Workspaces. These help to automatically maintain an inventory of all networks detected in devices to get an accurate location mapping based on network data.

rle <mark>×</mark>		Q	Log Off			
Search Q Level 1 > Level 2 ~	Networks				My Filters -	
operations	Only networks in use by a minimur	n of 5 workspaces are displayed in th	is list.			
Alert subscriptions	Name	CIDR	Public IP	Gateway	VLAN	Location
Event logs				-	0	
Host pools (AVC)		10,000,000,000	Market Street		0	
Locations		100.000.000.000	0.02200.000	10020800001	0	
Networks			1000-001-000-0001	100.0000000	0	

# **List view**

The list view allows you to see the relationship of networks discovered by the agent. It allows searches, filtering, sorting, showing or hiding columns, and more.

It also allows you to select a network from the list and delete it; in that case, if FlexxAgent detects that network again on more than five devices, it will recreate it.

# **Detail view**

Flex									
Search Q Level 1 >	Network	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
Level 2 💙					ØK	>			
AD group operations	Name								
① Alert notification profiles	Tester consecutive and taken to								
Alert	CIDR	Public IP	Gateway	VLAN	Location				
anoliqinaatue	rita.microl.doles	100040112201401	10000000000	0					
≣: Event logs									
Host pools (AVD)	Workspaces Wireless networks								
Host pools (440)									
-000 Networks	Machine name	Current Subnet	Public IP address	Current machine IP	Network changed				
Networks	and the state of t	10.0010.0004	100.271220.047	172.80112.00	Contraction of Contract				

At the top block of the detailed view of a network, there is a list of collected fields:

- Name: network name; by default the CIDR followed by the public IP. Allows customization.
- CIDR: Network CIDR
- Public IP: the network's public IP for internet access
- Gateway: IP address of the network's gateway
- VLAN: VLAN identifier, if any
- Location: Location associated with the network. Requires preconfiguring at least one location.

At the bottom of the interface, there are two tabs:

- Workspaces: shows the list of devices connected to the network.
- Wireless Networks: shows the list of Wireless Networks linked to the network. It allows linking or unlinking wireless networks previously discovered by FlexxAgent on the devices with the link or unlink buttons at the top of the list.

# Workspaces / Level 2 / Notifications

Notifications are a powerful tool for communicating directly, securely, and effectively with users. Given their versatility, they are especially useful in service disruption scenarios as they allow maintaining effective communication with users even when the company's communication infrastructures and tools are not functional.

# **Notifications section**

By default, the Notifications section displays information about active and scheduled notifications. To close them, you need to select the notifications you wish and press the Close notifications button.

As with all list views, you can filter the list content using the tools available in <u>filtering</u> <u>functionalities</u>.

# **Types of notifications**

Workspaces includes two types of notifications that allow you to send different types of messages to users:

- <u>Pop-up notifications</u> that allow launching a pop-up window with a message that the user can close with a click.
- <u>Notifications</u>: designed for service disruption events, where corporate communication channels might not be available. They are used when ensuring the message reaches users as quickly as possible to avoid a high volume of users trying to contact the support department.

#### **Popup notifications**

Sending notifications is available in the Sessions and Workspaces sections of Level 1. To send a popup notification, select the target sessions or devices and execute:

- Operations -> Notifications -> Send pop-up message.
- Specify the message and click 0k.

				All tenants	•	Ç	Log Off
Custom operations	My Filters	FZ_Host X	F S	ilter by work:	Export to	Text to search	rations
	Last user	Sessions	CPU	% RAM	Uptime	Status	Connection
		1	4 %	. 78 %	4h 14m	⊘ 🛰 🤱	<u>(</u>
		1	5 %	46 %	4h 53m	⊘ 🛰 🤱	ø
		0	1 %	34 %	3d 11h	⊘ &	ģ
						Page size: 2	) •

The user in the session will receive a window in the center of their screen with the configured message.

These notifications are based on Windows system tools. If all devices or sessions are selected and a message of this type is sent, the message will only reach the users who are working (in session) at that moment. If any user enters their session after the message is received, it will not be visible.



#### Notifications

Notifications have many additional features aimed at maintaining effective communications and protecting the information transmitted to users.

While on screen, notifications reserve that space so the user can no longer occupy it with their applications. This is a mechanism to ensure that the user has the message visible.



Notifications can be configured for time intervals; intervals can be defined in which all sessions already started and future sessions receive this notification and it remains active during that period of time.

To configure and launch a notification, the following is required:

- Define a time zone.
- Set start and end date and time.
- Severity, with three levels to choose from:
  - Informative: generates a gray notification.
  - Maintenance: will generate a yellow notification.
  - Technical issue: generates a red notification.
- Request acceptance: enables a button to get user feedback; once accepted, it closes for the user.
- Disable minimize: when enabled, prevents users from minimizing the notification.
- Message text
- Additional information: extra message that will appear when hovering over the notification.

• Link: to include a status page, if available. -Blinking: allows configuring blinking in the notification to increase its visibility.

# Workspaces / Level 2 / Reporting groups from Workspaces

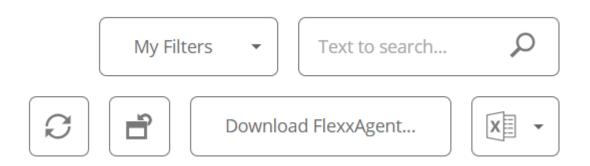
The Report Groups view from the Workspaces module allows you to see the status of the report groups created in the organization. It shows general information about the devices that make them up and offers the possibility to download FlexxAgent onto them.

# List view

The list view shows a table with the listing of the report groups, according to their ID number, name, and corresponding organization.

At the top, there are a series of buttons that allow actions on the list of report groups.

- My filters: allows you to manage filters to search for report groups.
- Text to search: free search box to find groups that match the entered term.
- **Refresh**: reloads the list of report groups after applying search filters.
- Reset all settings for this view: returns to the initial settings of the list.
- Export all items: allows you to download the list of report groups in CSV and XLSX formats.
- Download FlexxAgent: FlexxAgent will be downloaded to the selected report groups.



#### **Download FlexxAgent**

In the list view table, you must select the report group for which you want to download the agent and click on the Download FlexxAgent button.

Flex	WORKSPACES		C Log Off			
Scorch Q Level 1 > Level 2 ~ Alert notification profiles	Reporting groups		My Filters			
Alect subscriptions	id id	Name †	Tenant			
		(Messaul)	(mm200cmm8)			
Locations		Secondaria	10mm20mmanH			
		100	(measurement)			
one origina Networks	Count=3					
Notifications	$\langle \underline{1} \rangle$		Page size 20 *			

A window will open to download the FlexxAgent installer.

Download FlexxAgent Installer	ОК С	ancel								
Download a .zip file to install or repair FlexxAgent on machines communicating through this messaging service.										
Target processor architecture	x64	• [	Generate standalone installer (offli	ne)						
Please refer to http://5fbe840348819.helpdocsonline.com for information on the FlexxAgent-Installer.exe command line arguments.										

If the Generate standalone installer (offline) option is selected, during installation, the binary will not require internet access for verification or downloading binaries.

If, on the other hand, the Generate standalone installer (offline) option is not selected, the minimal installation package will be downloaded. In this manner, the binary will access the internet to verify and download the latest binaries.

For other installation options, you can consult the <u>FlexxAgent</u> documentation.

# **Detail view**

To obtain specific information about a report group, you need to select one in the list view table.

The detail view offers specific data about the selected report group: name, ID, FlexxDesktop license key, Portal update date, whether it has an Analyzer session enabled, client SID (security identifier), region, types of proxy and remote assistance enabled.

Flex	WORKSPACES		Flexoible	• Q Log Off
Level 1 >	Reporting groups			
Level 2 V			3	Download FlexxAgent
	Reporting Group			
Alert subscriptions	Name	ld	FlexxDesktop license key ①	Portal Update Date
≣:	(Writes Size elline)			→ 06/09/2024
Eventiogs	Enable session analyzer	Customer SID	Region	
Locatoris	True		minenist -	
Networks	Proxy type			
IP Notifications	Spinning and addings			
	Remote assistance			
CO Reporting groups	UNASSISTED			

#### Devices

The detail view of the report groups also presents specific information on three areas:

#### Devices

This is the list of devices that make up the report group being consulted. When it comes to a group that uses the fishing pattern to add devices, the configured RegEx term appears in a top box, as well as the id associated with the report group being queried.

#### 25.4 / FXXOne Documentation / FXXOne

IP Notifications	Devices Devices history Users			
Power management policies (AVD)	Fishing pattern	^EquiposEstandar*	Fishing pattern scope	(Bircenterment)
Power management activity (AVD)				Image: Comparison of the second se
~	Name	User		Status †
Reporting groups				Unknown
Servers	Count=1			
Reference will interventes	$\langle \underline{1} \rangle$			Page size 20 *

#### **Devices history**

It provides the name and the date of incorporation of the devices to the report group, also whether they have been assigned the group manually or automatically and the source and destination groups to which the devices have belonged.

#### Users

This is the list of users who belong to the report group. La tabla informa sobre el inquilino y rol que tienen asignados dentro de la organización

# Workspaces / Level 2 / Servers

rle <mark>&gt;</mark>								$\Diamond$		Log Off
Search Q Level 1 >	Servers									
Level 2 💙						My Filte	rs 🔹 Filter by	tag	Text to sear	rch P
AD group openations						L Q (	) () (°			perations 👻
Alert notification profiles	Server type 🕆	Subscription	Name †	RG Tenant	Power state	CPU	% RAM	Code	Uptime	Connection
Alert	None			and Providence of the	On	5 %	60 %		24d 11h	φ
subscriptions El Event logs	Count-1								Page size	20 -

The 'Servers' view allows access to the list of servers in the environment. When FlexxAgent is installed on a device, it will by default appear in the Workspaces section. To move the device to the Servers view, from the Workspaces section you must select the device and execute the Machine Type -> Server operation

More information on how to include a device in this list.

# **List view**

The list view contains all servers configured as such in Workspaces and allows the same actions with the devices listed in the Workspaces view.

#### **Available operations**

From the list view, at the top right of the interface, the following tools are included:

- Filtering Options
- <u>Microservices</u>
- <u>Operations</u>

#### **Filtering options**

This view allows the same *filtering functionalities* available in Workspaces.

#### **Microservices**

From the >- button it is possible to execute any of the microservices enabled for the organization that have System as the configured context. This allows the execution of microservices with administrative permissions on the devices. The actions of enabling, creating, modifying, or deleting microservices are performed from the Portal.

#### Operations

The Operations button allows executing the same <u>device management actions</u> as the Workspaces view.

#### **Detail view**

Flex	Cog Off					
Search Q Level 1 >	Servers	10. Texa (10. 10.				
Level 2 💙					0	Operations • <
Alert notification profiles	General Name	Status On	Power state On	FlexxAgent version 24.9.1.1	FlexxAgent status	FlexxAgent last report ① 11/10/2024 13:30:06
Alert subscriptions	Domain	Connection	Subnet	MAC address		
Ei Event logs	Code	a anna na				
Heat pools (AVD)	OU					
etvorks	8.					

The detail view of a server, in addition to the operations available at the top of the interface, contains the following sections:

- General information
- Extended information
- Specific information segmented into <u>tabs</u> at the bottom

#### General

The general information block of the device contains:

- Name: hostname of the device
- Status: power state (on-off)
- FlexxAgent Version: FlexxClient version number
- FlexxAgent Status: FlexxAgent execution status (running stopped)
- FlexxAgent Last Report Date: date of the last report received from FlexxAgent on the device
- Domain: domain to which the device belongs
- Connection Type: type of connection used by the device (ethernet wireless)
- Subnet: network addressing
- MAC Address: MAC identifier
- Code: allows a string to be set as code
- Network Changes: indicates if the device has recently changed its network configuration
- Tags: allows identification tags to be associated
- OU: organizational unit in the domain where the device's account resides

#### Extended

The extended information block of the device contains:

- RAM: total amount of RAM
- Cores: number of processor cores
- IP Address: IP address of the device
- Windows Edition: edition of the operating system
- OS Build: operating system build number
- Uptime: the length of time the workspace has been running since it was last started or restarted; it's important to note that if fast startup (fastboot) is enabled, the workspace is only off when restarting.
- Fast Startup: indicates if fastboot is enabled on the server
- Last Windows Update: last patch application date
- Duración del último arranque: duración del arranque (boot) del último inicio
- Pending reboot: determines if the device has a pending reboot to apply updates.

- System disk: indicates the used space of the system disk.
- **Public IP and ISP**: if public IP data collection is enabled, shows the public IP and the provider.
- Region: if it's an Azure virtual machine, will show the Azure region of the host.
- BIOS Manufacturer: BIOS manufacturer
- BIOS Version: current BIOS version
- SMBIOS Version: current SMBIOS version
- BIOS Serial Number: unique BIOS identifier
- Session Analyzer: indicates the status of the FlexxAgent Analyzer process, which can be:
  - Not configured: The FlexxAgent is configured to not launch Session Analyzer.
  - **Disabled**: The FlexxAgent is not launching Session Analyzer because it has been disabled using the registry key 'AvoidLaunchAnalyzer'.
  - **Configured**: The FlexxAgent is configured to launch Session Analyzer in all the user sessions.
  - **Installed**: Session Analyzer is already installed in the workspace so FlexxAgent won't try to launch it.
  - No compatible: FlexxAgent no inicia Session Analyzer porque no es compatible con el sistema operativo del workspace (por ejemplo, una versión de Windows de 32 bits).

#### Tabs

The tabs at the bottom show grouped specific information. The following are included:

- Jobs
- Performance
- <u>Alerts</u>
- Event logs
- <u>Disks</u>
- <u>Boot history</u>
- <u>Security</u>
- Group Policy (GPO)

## PnP Devices

#### Jobs

Sessions Performance Jobs	Alerts Event log	Connection logs Windows services Disk	s Boot history Notifications	Security Compliance	Group Policy (GPO) PnP Devices Syste
Info	Status	Creation date 4	Start time 4	End time	Owner
Anna Antonio Angli Malana Sala Angli Malana S	Completed	25/09/2024 18:29:56	25/09/2024 18:29:56	25/09/2024 18:30:05	
Anna Antonio Angli Antone Andrewski Antone A	Completed	19/07/2024 10:38:47	19/07/2024 10:38:47	19/07/2024 10:38:57	And Training on the
angen and and age	Completed	19/07/2024 9:30:45	19/07/2024 9:30:45	19/07/2024 9:31:02	
Count=3					
$\langle \underline{1} \rangle$					Page size 20 *

All actions performed from servers on one or more devices are audited in the job queue. This tab allows you to check the jobs performed for the active device without having to go to the section.

## Performance

In the performance tab, graphical information about CPU, memory, and bandwidth usage is displayed.

### Alert

This tab shows a list of all active alerts, if any, for the active device. When a device has an active alert, a message is also displayed at the top of the screen.



#### **Event Logs**

>

Sessions Per	formance Jobs	Alerts Event log Connecti	on logs Wind	ows services	Disks Boot histor	y Notifications	Security	Compliance	Group Policy (GPO)	PnP Devices	Syst
							[	2	• Today		•
Event log dat	a collection is enab	bled. Event types: Error and Critica	al, Event	(fron	n agents with versior	>= 22.10.0.0), Free	quency: 10 n	ninutes.			
Date 🗍	Level	Source	Event ID	Message							
10/10/2024 22:07:29	Error	Microsoft Office 16 Alerts	300	Failed to pa Storeld=(nu P1: Apps for P4: New Do	r Office	0Verrides					
10/10/2024 22:07:29	! Error	Microsoft Office 16 Alerts	300	and the second second	arse element: Versio Unknown, Storeid=( r Office	successive success and					

This tab presents information about the log events present on the device; by default, it filters errors and only shows those with Error or Critical severity; it obtains them from the device in 10-minute intervals.

Using the available options in Settings, it is possible to modify the sampling time or include specific events by their ID.

## Disks

essions Performance	Jobs A	lerts Event lo	g Connection logs	Windows services	Disks	Boot history	Notifications	Security Complian	ce Group Policy (GPO)	PnP Devices Syste
Device ID †	Name	e †	Volume label	Total size	Used si	ze % Used	OS	Location	Partition	Physical disk size
				250 MB	0 MB	0 %		Integrated : Bus 0 : Device 14 : Function 0 : Adapter 0 : Port 3 : Target 0 : LUN 0	Disco #0, partición #0	МВ
				1.333 MB	0 MB	O 96		Integrated : Bus 0 : Device 14 : Function 0 : Adapter 0 : Port 3 : Target 0 : LUN 0	Disco #0, partición #2	MB
				1.438 MB	0 MB	0 %		Integrated : Bus 0 : Device 14 : Function 0 : Adapter 0 : Port 3 : Target 0 : LUN 0	Disco #0, partición #3	MB

This tab offers a list view of all partitions present on all disks identified in the system, as well as statistics on their capacity and occupancy levels.

## **Boot history**

Alerts	Event log	Connection logs	Windows services	Disks	Boot history	Notifications	Security	Compliance	Group Policy (GPO)	PnP Devices	System Summary
		0									
Boot	t durati	on®									
02-Oct-2	24 06:03 24 06:20 24 07:04										
30-Sep-2 29-Sep-2	24 07:06 24 07:06 24 07:03										
27-Sep-2 26-Sep-2	24 07:03 24 07:02										
	24 07:03 24 07:03										
	0 s	-	5.5	10 s		15 s	20	5	25 5	30 s	

Esta pestaña permite ver una gráfica de registros históricos del tiempo ocupado en el arranque (boot) del dispositivo.

## Security (EDR)

FlexxAgent will detect if a device has Crowdstrike Falcon installed and display the information on the EDR tab of the device detail view. There you can check the installed version, the correct or incorrect execution status, as well as the CPU and memory resource usage.

DR ① rowdStrike (7.06.178	07.0)		dStrike status Installed and	d working		
CPU <sup>(1)</sup> 100 % 80 % 60 % 40 %					Memory <sup>(1)</sup> 60 MB 40 MB 20 MB	
20 % 0 %	8 5 5 5 5 5 5 5	2 5 5 5 5	さんちょうちょう	8 I I I I I	0MB 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	さよさににけいる る
0.%	£ \$ \$ \$ \$ \$ \$ \$	なたたた	さんてい	? ? ? \$ \$	0M8 \$	€ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
0% B & & &	లి చి. లి లి తి తి లి Created	ی ک <sup>م</sup> ک <sup>ر</sup> کر ا	र्र <sup>19</sup> र <sup>19</sup> र <sup>19</sup> र <sup>1</sup>	الم	ома ಕ್ಷಿಕ್ ಕ್ಷಿಕ್ ಕ್ಷಿಕ್ ಕ್ಷಿಕ್ ಕ್ಷಿಕ್ ಕ್ಷಿಕ್ ಕ್	
0 %		Username			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Export to  Cmdline

If it is also desired to capture detections to display them in Workspaces, access data must be configured via API to the Crowdstrike Falcon instance in the CrowdStrike section of Level 3 -> Messaging service (IoT Hub).

Group Policy (GPO)

This tab displays the information of the group policies applied on the active device. Allows viewing information of policy names such as the name and time of check.

## **PnP Devices**

This tab allows you to see at the top the PnP devices that are in an error state, which may be due to a hardware or driver malfunction, or incorrect device or driver configuration.

Sessions Performance Jobs Alerts Event log Connection logs V	Vindows services Disk	s Boot history Notifications	Security Compliance	Group Policy (GPO)	PnP Devices
Device manager entries with error state					
FlexxAgent last PNP devices update 17/07/2024 15:03:44					
				Ope	rations •
□ Name ↓	Detection da	te		Class	Device ID
Cisco AnyConnect Virtual Miniport Adapter for Windows x64	27/11/2023	13:51:47		Net	ROOT/NET/0000
Count=1					
< 1 >					Dage size 20 *
PnP events					
□ Action Date ↓	User	Caption		Device ID	
Plugged in 17/07/2024 16:01:37		Generic PnP Monitor		DISPLAY\CTX0466\2&12	3C1CA0&0&UID1
Unplugged 17/07/2024 14:40:22		Generic PnP Monitor		DISPLAY\CTX0466\2&12	3C1CA0&0&UID1

At the bottom of the tab, all PnP events are recorded. Each time a peripheral device is connected or disconnected, a record is generated in this table.

# Workspaces / Level 2 / Wireless networks

FlexxAgent collects multiple network information from devices. When FlexxAgent identifies the use of a wireless network, it is automatically created in Workspaces. These help to automatically maintain an inventory of all networks detected on devices to get precise location mapping based on network data. It is possible to associate it with <u>Networks</u> and <u>Locations</u> allowing to build a network inventory, the connected devices, the network operators in use, and much more.

## **List view**

The list view allows you to see the relation of wireless networks discovered by the agent. You can search, filter, sort, show or hide columns, and more.

It also allows selecting a wireless network from the list and marking it as a trusted network; in that case, if FlexxAgent detects the network again in more than five devices, it will recreate it.

## **Detail view**

Flex	WORKSPACES				$\Diamond$	Log Off
Level 1 >	WiFi network					
Level 2 💙						$[\mathfrak{S}] \langle \rangle$
AD group operations						
~	SSID	Public IP		Source device		
Alert notification profiles	10000000_0112_0000	NAMES OF T			Reliable	
Alert	ISP	City		Country	Network	
subscriptions	Conductors of Chargest 1994	Madrid		ES		
Host pools (AVC)					ð	X · Operations ·
•	Machine name	U	lser name	Power	state	
Locations	No data to display					
one one Networks	Count=0					

At the top block of the detailed view of a network, there is a list of collected fields:

- **SSID**: network name; by default the CIDR followed by the public IP. Allows customization.
- **Public IP**: The public IP for internet access of the network
- Source device: name of the device that declared the wireless network for the first time.
- Trusted: shows if this wireless network has been marked as trusted.
- ISP: connectivity provider
- City: Shows the city from which the internet exit is established.
- Country: shows the country from which the internet access is established.
- Network: allows associating this wireless network with a Network.

Connected devices to the network are displayed at the bottom.

## Workspaces / Guides and tutorials for Workspaces

Flex		ES		$\Diamond$	Log Off
Search Q Lewel 1	Workspaces				
67 UK Deshboard			My Filters • Filter by ta	ag Filter by workspace group	Text to search ${\cal P}$
Workspaces				승 여 / / / / 위 및	© () []
C Sessions	Platforms	Machine † RG Tenant Power state	Last user Sessions CPL	J % RAM Uptime Code	Status Connection
i ionnection Logs	D 👫 🗖	() service of the On	26 9	% 🕐 96 % 15h 49m	⊘ ≽ 🛛 🤤
D jobs		Not reporting	0%	0 %	×
L. Alerts	D 📕 🗖	Not reporting	0 %	0 %	×
A. Profile Storage	□ 🚦 😐	() HERE EXCLUSION ON	11 9	% 62 % 2d 8h	ତ 🦻 🗧
Level 2 >	🗆 📙 🔶 🚳 /	A On	3 %	a 34 % 4d 20h	⊘ ➤     ₹

This section offers resources designed to maximize the use of Workspaces. It includes detailed instructions on configuring and using functionalities, along with advanced settings that will allow you to tailor Workspaces to specific needs.

Each guide has been created to facilitate its understanding and application, regardless of the user's experience level. In addition to step-by-step instructions, you will also find detailed procedures and solutions to common problems.

# Workspaces / Guides and tutorials / Configure email alerts

Any operator authorized by the Level 2 role can configure the receipt of email alerts:

1. Open the Workspaces module.

Fle	عكمناه	2 111	
ል	Home		Home Flexxible Corp
Ø	Operations		
<i>[</i> 2₀	Flows	PREVIEW	O
Å	Tenants	~	Workspaces
Ŀ	Workspaces	~	
4	Patch	PREVIEW 🗸	Your products
Ŷ	Microservices	~	Environment ↑↓
ŝ	Settings	~	

- 2. In the left menu, go to Level 2 -> Alert Notification Profiles.
- 3. Click on New in the top right. This action will allow you to create a new profile to receive alert notifications. You need to define a name for the profile and the email address or addresses to which notifications will be sent.

Flex	× WORKSPACES	Consultation Consume	- 5	)	Log Off
Level 1 >	Alert notification profiles				
Level 2 ¥			Sa	we - Delete	Ø
Aiert notification profiles					
Alert subscriptions	Name Documentation				
≣: Event logs	Mail list correo@servidar.com				
Locations					
eçe eçe Networks					

- 4. Click the Save button in the top right.
- 5. Next, link an alert definition to the notification profile that was created in previous steps. Select the Alerts Subscriptions option from the Level 2 menu in the left navigation bar. Click on the New button on the top left. A panel like the following will appear:

rle <mark>×</mark>	WORKSPACES	Freedom Corp.	-	$\Diamond$			og Of
Search Q Level 1 >	Alert subscription						
Level 2 💙			ſ	Save +	Delete	£	
() Alert notification profiles			L	Save +		ĸ	
	Alias						_
Alert subscriptions							
≣i Dvert lags	Alert definition						
•						Q,	Ø
Locations							
	Alert notification profile						
o‡o soo Networks						*	Ø
E Notifications	Last execution time						
~	13/10/2024 21:55:12						
O O Reporting groups							

- 6. Name the subscription with an alias, select the alert or alerts using the magnifying glass icon on the right side of the field. Using this icon will bring up a floating panel to search and select one or more alerts. Then, select the desired subscription profile (in this example, the one created in previous steps).
- 7. Once the fields are filled, click the Save button. The new subscription will appear in the list.

Alert subscriptions		
		Mis filtros + Text to search D
		Nuevo Eliminar 📿 🗗 🕅 -
🗆 Alias †	Perfil de notificación de alertas	Definición de la alerta
Duración del inicio de sesión	Documentacion	Duración del inicio de sesión
Count=1		
< 1 >		Tamaño de página 20 🔻

In this example, each time an alert is issued about the session startup duration, the notification profile called "Documentation" will be notified by email to the address or addresses specified in its definition.

# Workspaces / Guides and tutorials / How to provide remote assistance to a user

Remote assistance allows direct operation on a user's workstation desktop. The operator acts as the device administrator and works remotely with the user's desktop.

To provide remote assistance:

- 1. Access the Workspaces module.
- 2. Access the Workspaces or Sessions section from the navigation bar on the left side.

Sessions allow searching for a specific user, while Workspaces lists the available devices. When performing remote assistance on a device, it will be conducted on the session that is currently active.

1. Search and/or select the device/session on which remote assistance will be performed.

FIex WORKSPACES									198	allie Centr	- 5	>		Log Of
Search Q Level 1	Works	paces												
CC Webbard						My Filters	5 • F	ilter by tag		Filter by	workspace group	Text to:	search	Q
Workspaces						Ģ ⊇		-0:  🗐	$\odot$	9 <b>e</b>	×	•	Operations	*
C Sessions	<b>/</b>	Platforms	Machine †	RG Tenant	Power state	Last user	Sessions	CPU	% RAM	Uptime	Code	Status	Connec	ction
			(martin) (martin)	Standilli Corp.	Not reporting	1000000000		0 %	0.96					
D		Count=1												
L Alerts	< 1	>										Page si	ze 20 *	]

4. Open the Operations menu on the button in the upper bar of the equipment list. In some cases, as in the previous image, the button will be behind the button with three dots (...) on the mentioned bar. Next, select:

Operations -> Remote Assistance -> Start remote assistance

- 5. Select 0k to confirm the operation.
- 6. A floating panel will appear indicating that remote assistance is being prepared.

ASISTENCIA REMOTA	Cerrar
Preparing	

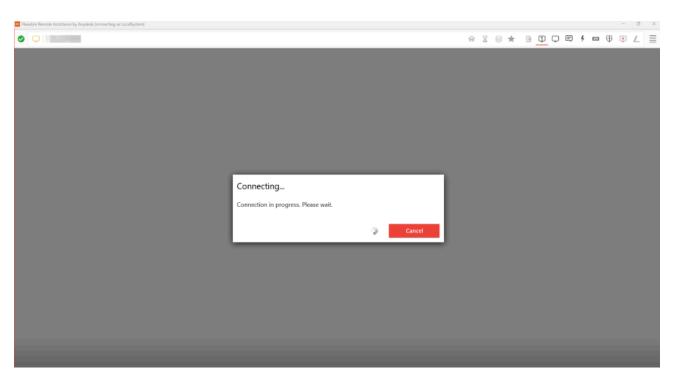
7. Once prepared, the information will appear.

ASISTENCIA REMOTA FLEXXIBLE\	Cerrar							
The remote assistance session is ready to connect.								
Session Id:								
You can start the remote assistance session from your AnyDesk client, or <u>download</u> and execute the Flexxible Remote Assistance Note: You may need to authorize the download in your browser.	ce client.							

8. This assistance is temporary, and the operator will need to download an executable file from the download link in this floating panel.

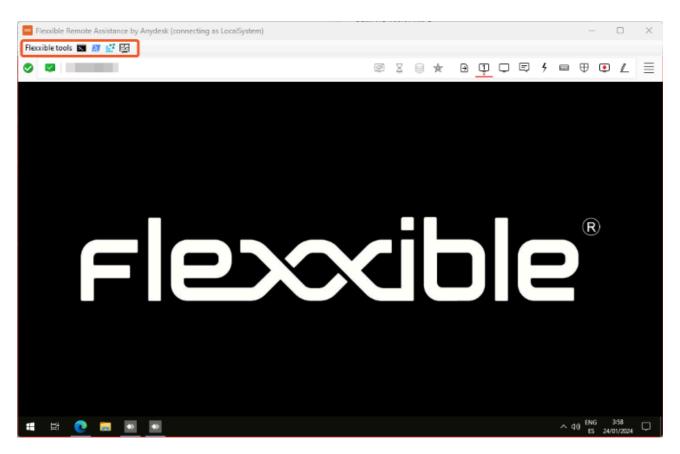


9. Download and run the file. This operation will run an application to facilitate remote assistance. The operator will have to wait for the user to give permission to perform remote assistance on their device.



10. Once the user grants their consent, the remote assistance session can be conducted. The operator has access to the user's desktop and can perform operations and provide the needed help to solve the user's problems.

If the operator has the necessary permissions and is in a user session without administrative permissions, they can use Flexxible Tools to act on the device with administrative permissions:



# Workspaces / Guides and tutorials / Change Automatic Restart Sign-On (ARSO) settings

On devices with Windows 10 1903+, Automatic Restart Sign-On (ARSO) is a Windows feature designed to allow a user to sign in automatically after a system restart, especially after installing updates.

Windows temporarily stores the user's credentials in the Credential Manager and uses them to restore the session without manual intervention. However, to maintain security, although the session is restored automatically, the device remains locked and requires the user to unlock it with their PIN, password, or biometric authentication before fully accessing the system.

This functionality can cause sessions to appear in the session view as if they are established when no user is actually working on the device. To avoid this, it is possible to disable ARSO.

## Modify ARSO settings on a device

To disable ARSO, the following options are available:

## GPO

Computer Configuration -> Administrative Templates -> Windows Components -> Windows sign in Options

## **Registry editing**

```
HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System\DisableAu
tomaticRestartSignOn = 1 (DWORD)
```

## Intune Policy

• Platform: Windows 10 and later

- **Profile type**: Administrative Templates
- Path: \Windows Components\Windows Logon Options

More information: <u>https://learn.microsoft.com/en-us/windows-server/identity/ad-</u> <u>ds/manage/component-updates/winlogon-automatic-restart-sign-on--arso-#policy-1</u>