



Remote System access



<https://pandorafms.com/manual/!776/>

Permanent link:

https://pandorafms.com/manual/!776/en/documentation/pandorafms/management_and_operation/13_remotemanagement

2024/06/10 14:34



Remote System access

Introduction

Pandora FMS is a monitoring tool, and based on its work ethic, it does not use agents to connect to the equipment, so it uses other methods to allow operators to remotely control the monitored systems. Some systems, such as routers and switches can be managed by Telnet or SSH and in order to access them, you only need to launch the command. To do this, use an *optional* extension based on the Anytermd tool that has not been installed as standard since version 7.0. It is present in the [Pandora FMS module library](#).

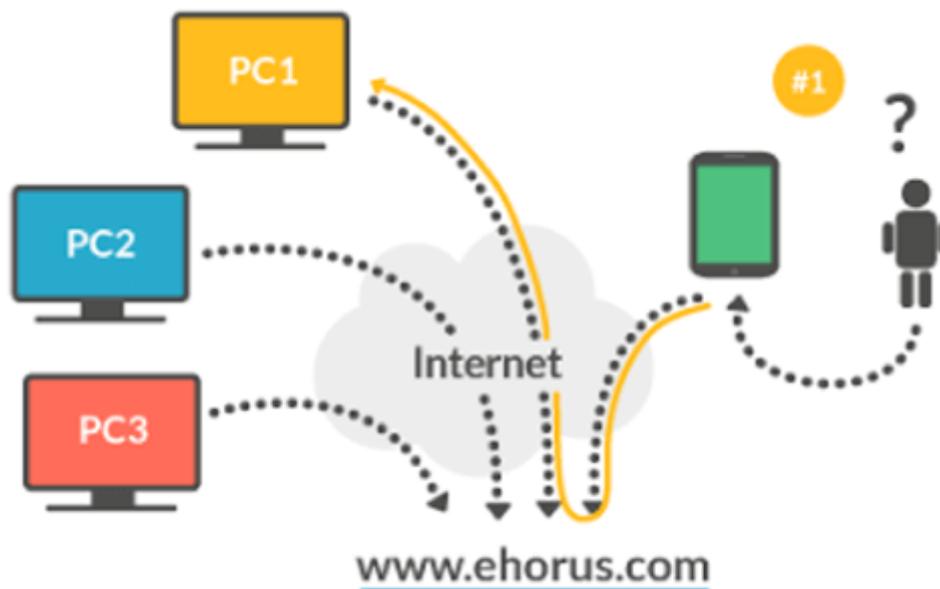
The standard tool in Pandora FMS to have access to remote systems (whether it may be windows, mac or Windows) is [eHorus](#), a remote control tool that since it is WEB, it is totally integrated in Pandora FMS interface.



- [Download web link](#).
- [Video tutorial](#).

eHorus configuration with Pandora FMS

eHorus is a remote system access that relies on the cloud (SaaS) to connect to the computers, regardless of changes in IP, firewalls or other problems discussed previously. More information can be found in the video tutorial «[eHorus integration with Pandora FMS](#)».



To enable it, activate the integration in its configuration section. Go to Setup > Setup > eHorus:

The screenshot shows the configuration page for eHorus. At the top, there is a navigation bar with icons for location, Wi-Fi, keyboard, notifications, and other system functions. The main header features the eHORUS logo, the text 'Pandora FMS Remote Control', 'Remote Management System', and the URL 'https://ehorus.com'. Below the header, there is a section with a toggle switch labeled 'Enable eHorus' which is currently turned off. In the bottom right corner, there is an 'Update' button with a refresh icon.

After that, enter a valid login from a service user. This user will be used to authorize remote connection to the devices with eHorus software installed.

It is possible, although probably not necessary, to use another eHorus provider editing the fields API Hostname (portal.ehorus.com by default) and API Port (443 by default).

The screenshot shows the eHorus Pandora FMS Remote Control configuration page. At the top, there is a navigation bar with various icons. The main header features the eHorus logo and the text "EHORUS Pandora FMS Remote Control Remote Management System https://ehorus.com". Below this, there is a toggle switch for "Enable eHorus" which is currently turned on. The "eHorus API" section contains several configuration fields: "eHorus configuration at user level" (toggle off), "User" (text input), "Password" (password input with an eye icon), "API Hostname" (text input with "portal.ehorus.com"), "API Port" (text input with "443"), and "Request timeout" (text input with "5"). A "Test" button with a "Start" label and a right arrow is located below the "Request timeout" field. An "Update" button with a refresh icon is positioned at the bottom right of the configuration area. The footer of the page displays "Pandora FMS v7.0NG.767 Hope - OUM 767 - MR 59" and "Page generated on 2022-12-13 09:46:39".

Remember to check if the connection works properly before saving the changes.

Using eHorus with Pandora FMS

Once the connection is configured, you will be able to check that a new custom field appears in the agent view, called eHorusID. This field should contain the eHorus agent ID to be managed. You can find this ID in several places, such as the eHorus agent running on the machine or in the eHorus Portal (see image).



If you are using Pandora FMS 7.0 or higher agents, they already automatically support a parameter to automatically obtain the eHorus ID, through the following configuration token:

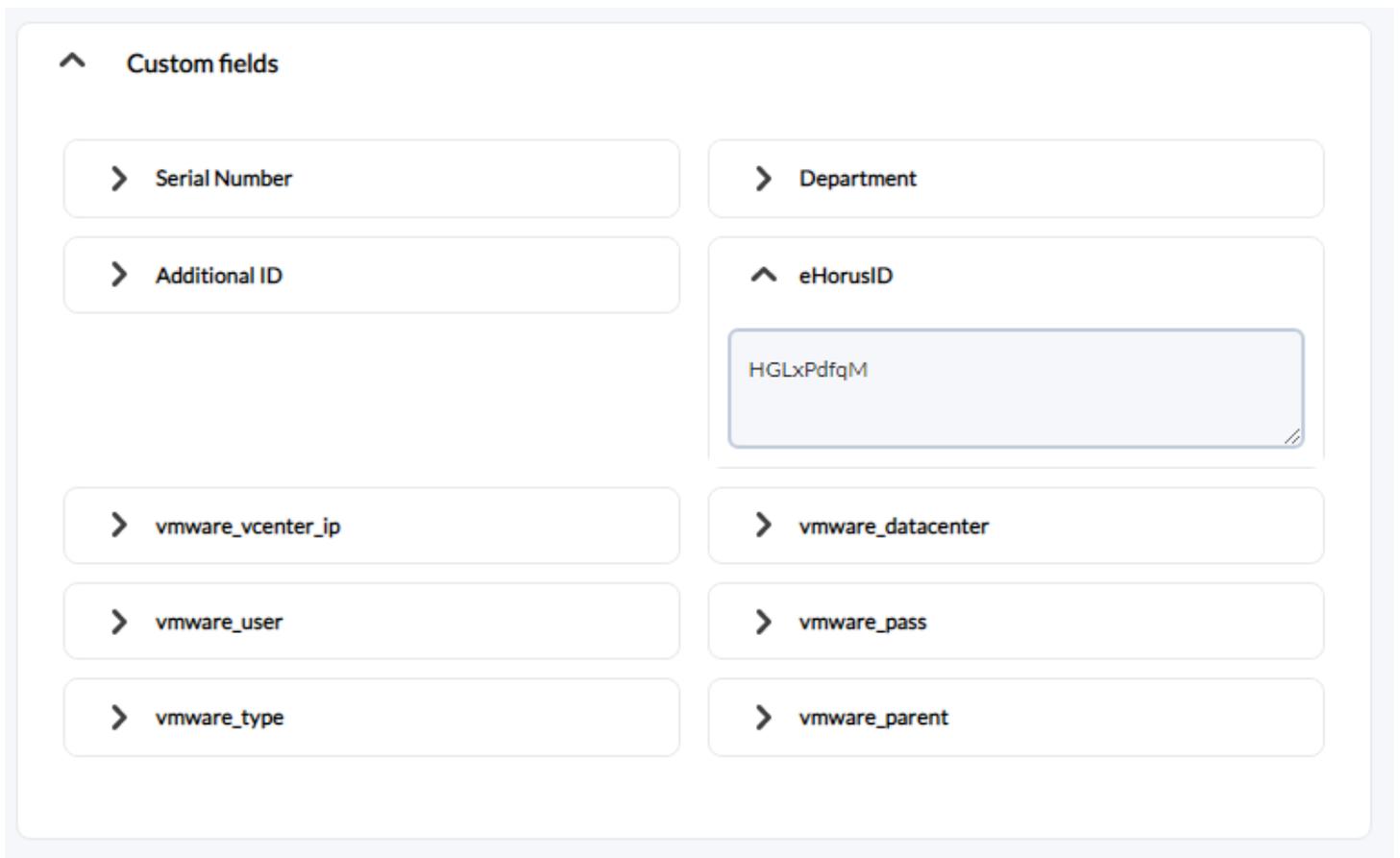
```
ehorus_conf <path>
```

The configuration token supports the absolute path to a valid configuration file of an eHorus agent. The agent will create a custom field called eHorusID that contains the identification key of the eHorus agent.

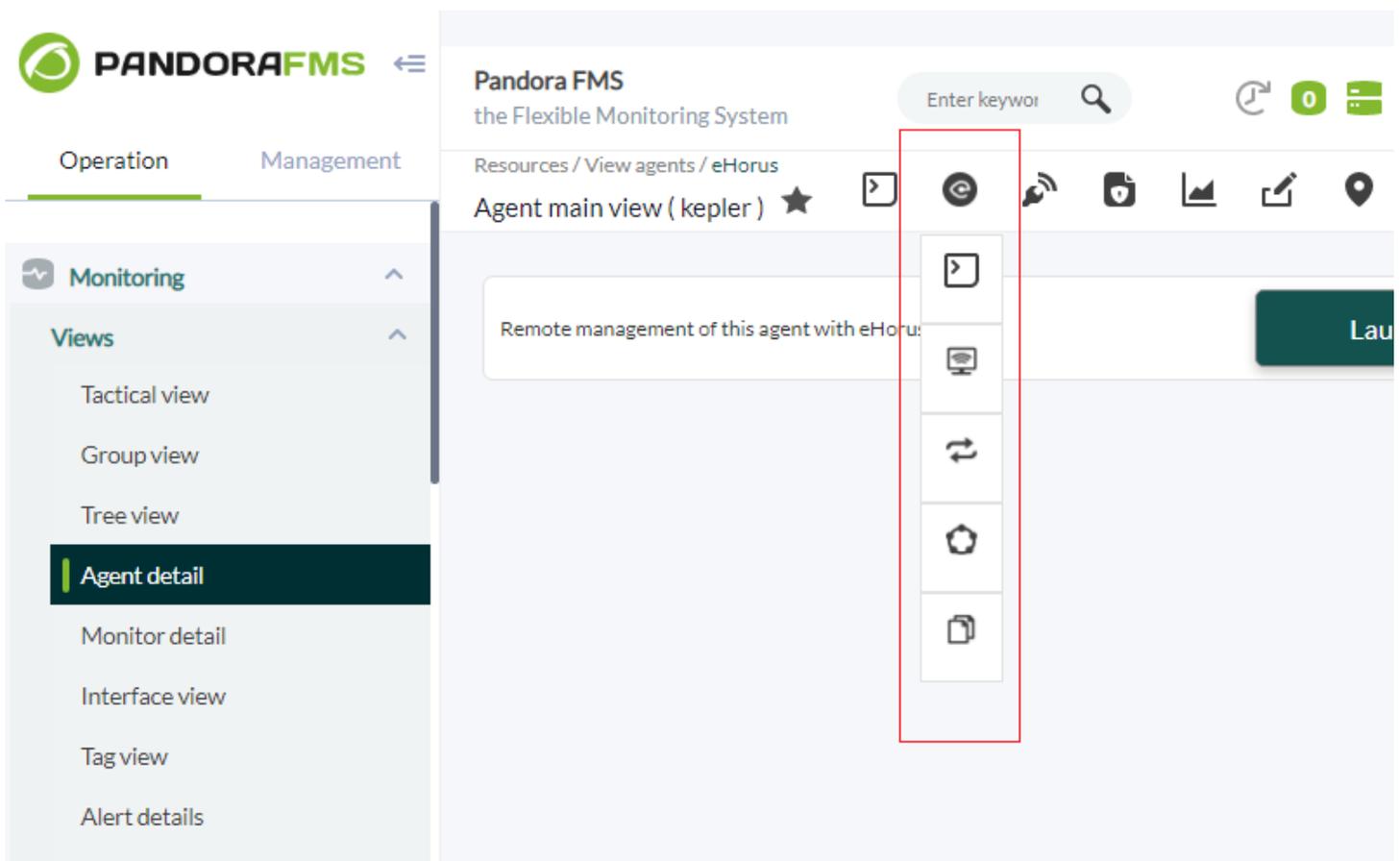
The eHorus agent to be managed must be visible by the configured user in the configuration section of the integration.

When Pandora FMS agent has defined the ID of the eHorus agent in its customized field, the administrator users or those that have agent management permissions, will see a new tab in the agent menu from which they will be able to use the eHorus client from inside Pandora FMS.

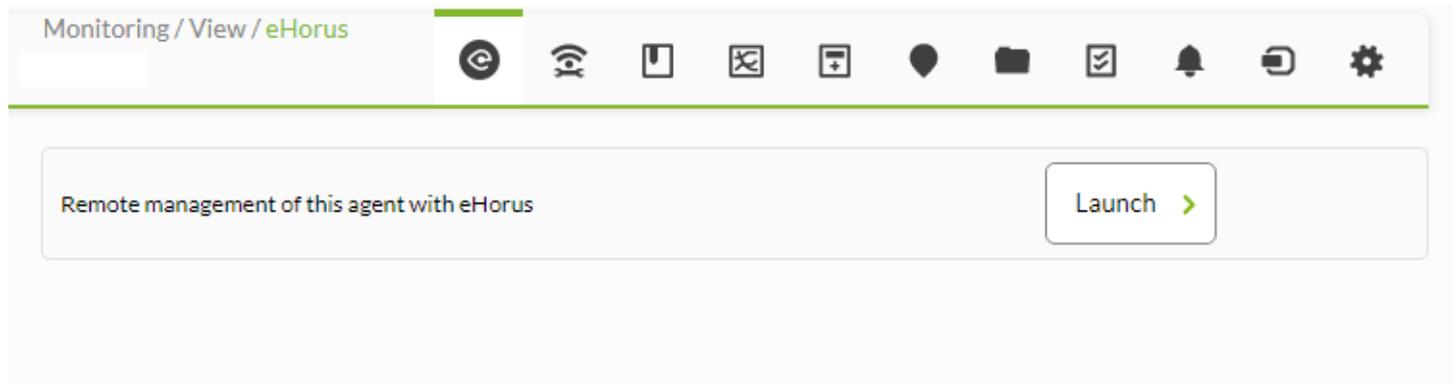
The eHorus id (EKID) is entered in this agent custom field:



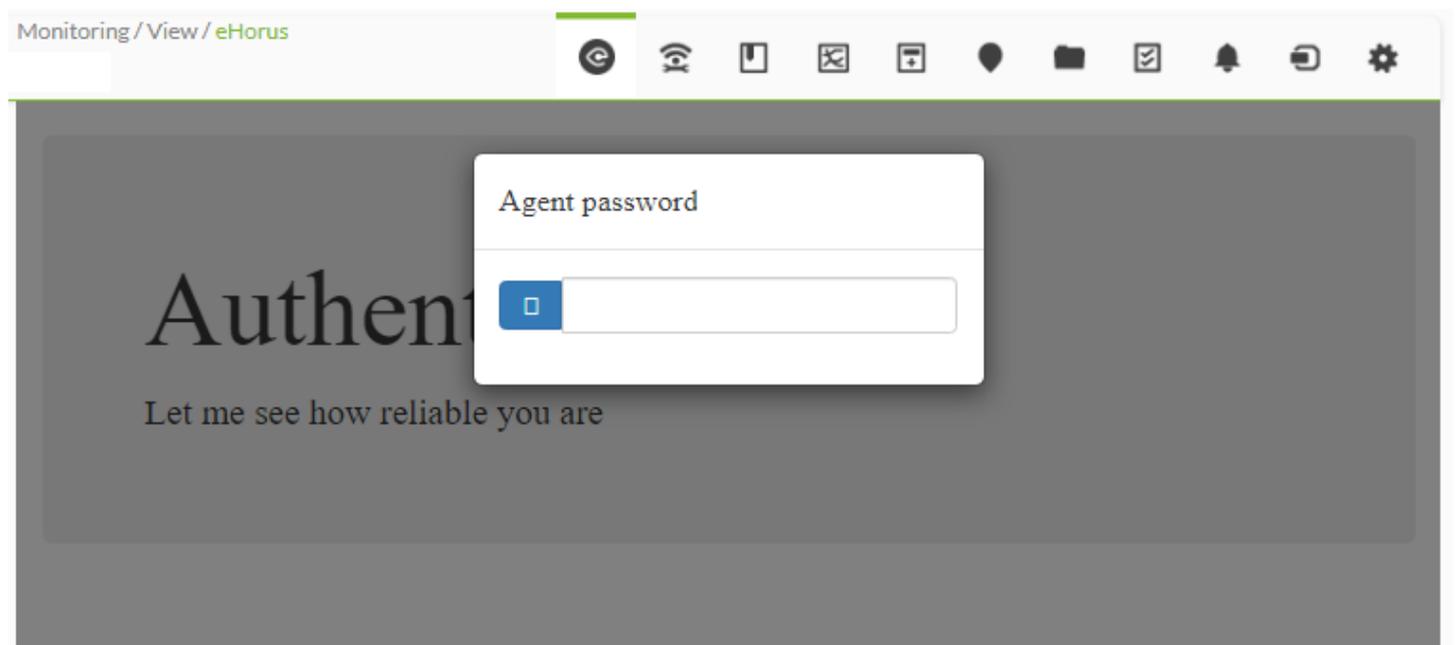
Once configured, just click on any of the sections that the remote control extension with eHorus presents of that agent: remote control via Shell, remote desktop, process view, services or copy files.



By clicking on any of the submenu options: Terminal, Display, Processes, Services or Files, the following option will be shown:



By clicking on Launch, it is always recommended to use a local password in the eHorus agent. In case of being configured, it will be requested interactively:



Once authenticated, you may access the interactive command line session (Linux® with root permissions). It also works for Apple Mac® and MS Windows®:

Pandora FMS

the Flexible Monitoring System

Enter keyword 

Monitoring / View / eHorus



```
[root@fenix tmp]# id
uid=0(root) gid=0(root) groups=0(root)
[root@fenix tmp]# ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=2 ttl=58 time=4.07 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=58 time=4.06 ms
^C
--- 8.8.8.8 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2002ms
rtt min/avg/max/mdev = 4.060/4.064/4.070/0.073 ms
```

And the same goes for managing remote processes and copying files (both upload and download):

Pandora FMS

the Flexible Monitoring System

Enter keyword 

Monitoring / View / eHorus



Refresh directory



Name	Size	Last modification	Actions
Videos	--	last year	
Searches	--	last year	
Saved Games	--	last year	
Pictures	--	last year	
Music	--	last year	
Links	--	last year	
Favorites	--	last year	
Downloads	--	6 months ago	
Documents	--	last year	
Desktop	--	last year	
Contacts	--	last year	

Enter keyword



Monitoring / View / eHorus



Filter list by PID, user or name

Refresh processes

Click on a process

4276	NT AUTHORITY\SYSTEM	taskhost.exe	0%	6.93 MB
2368	NT AUTHORITY\SYSTEM	taskhost.exe	0%	5.38 MB
432	NT AUTHORITY\SYSTEM	wininit.exe	0%	612.00 KB
5120	NT AUTHORITY\SYSTEM	winlogon.exe	0%	4.04 MB
3016	NT AUTHORITY\SYSTEM	winlogon.exe	0%	4.13 MB
4384	NT AUTHORITY\SYSTEM	winpty-agent.exe	0%	3.59 MB
4728	NT AUTHORITY\SYSTEM	WmiApSrv.exe	0%	4.46 MB
5476	NT AUTHORITY\SYSTEM	WmiPrvSE.exe	0%	12.22 MB
2544	NT AUTHORITY\SYSTEM	WmiPrvSE.exe	0%	25.24 MB
380	NT AUTHORITY\SYSTEM	WmiPrvSE.exe	0%	9.37 MB
4908	NT AUTHORITY\SYSTEM	wmpnetwk.exe	0%	2.91 MB

CPU

0.00%



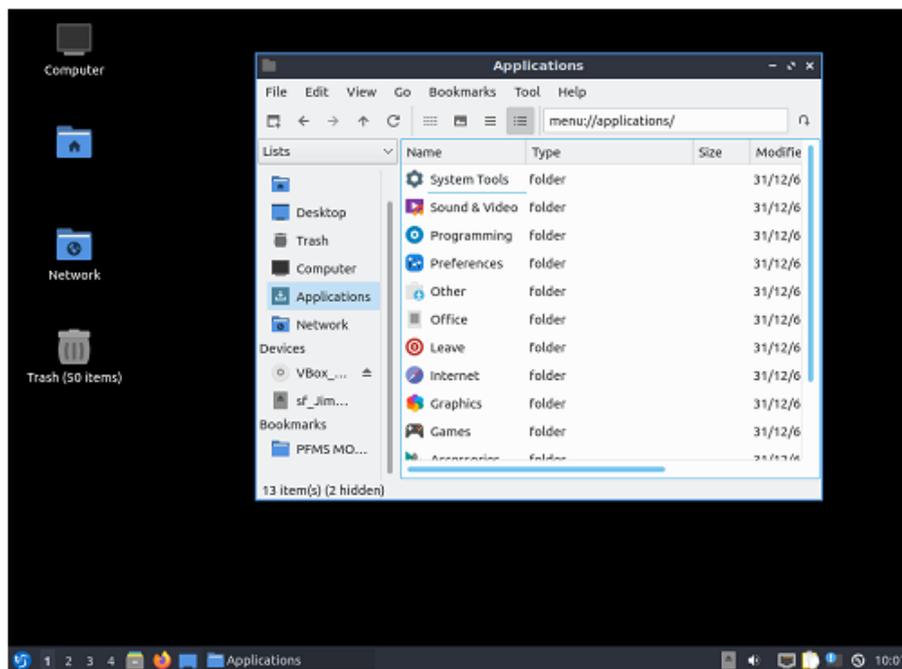
Used: 1.49 GB
Total: 2.94 GB

RAM

And of course, the remote desktop (Windows®, Linux® and Mac®):



Press 'Connect' button to access the remote desk.



Pandora FMS v7.0NG.758.1 - OUM 758 - MR.50

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For more information about eHorus, you can visit their website <https://ehorus.com>. eHorus is free up to 10 computers. eHorus is developed by the same team that made Pandora FMS possible.

If you are running Pandora FMS on MS Windows®, download the Mozilla CA certificate store in PEM format and add

```
curl.cainfo={path}\cacert.pem
```

 to the php.ini file.

For more information about Pandora FMS remote system access check the [following link](#).

[Go back to Pandora FMS documentation index](#)