



Exec server PFMS configuration



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Exec server PFMS configuration


At the end of this configuration process, an SSH connection with digital key will have been established for the automated monitoring processes.

In a Logical Agent already created and with the remote configuration enabled, a user (for example `pandora_exec_proxy`) and a pair of digital keys created (public and private), will be able to access a remote device to which the public key has been hosted and configured.

Without remote configuration enabled, you will lack the ability to create Satellite modules from wizards.

PFMS Web Console Configuration

This option can be configured on a Network Server PFMS and/or a Satellite Server PFMS. From the list of Pandora FMS servers, select one to work as Exec Server and edit it:



Pandora FMS
the Flexible Monitoring System

Enter keywords

Servers / Manage Servers


Pandora FMS servers

Name	Status	Type	Master	Version	Modules	Lag	T/Q	Updated	Op.
Data server	■	Data server	Yes	7.0NG.774 (P) 231127	132 of 132	- / 0	1 : 0	2 seconds	<input type="checkbox"/>
Network server	■	Network server	Yes	7.0NG.774 (P) 231127	0 of 0	- / 0	4 : 0	2 seconds	<input checked="" type="checkbox"/>
Discovery server	■	Discovery server	Yes	7.0NG.774 (P) 231127	0 of 0	- / 0	1 : 0	2 seconds	
Plugin server	■	Plugin server	Yes	7.0NG.774 (P) 231127	0 of 0	- / 0	1 : 0	2 seconds	
Prediction server	■	Prediction server	Yes	7.0NG.774 (P) 231127	0 of 0	- / 0	1 : 0	2 seconds	
WMI server	■	WMI server	Yes	7.0NG.774 (P) 231127	0 of 0	- / 0	1 : 0	2 seconds	
Inventory server	■	Inventory server	Yes	7.0NG.774 (P) 231127	0 of 0	- / 0	1 : 0	2 seconds	
Web server	■	Web server	Yes	7.0NG.774 (P) 231127	0 of 0	- / 0	1 : 0	2 seconds	
Event server	■	Event server	Yes	7.0NG.774 (P) 231127	N/A	N/A	1 : 2	2 seconds	
Enterprise ICMP server	■	Enterprise ICMP server	Yes	7.0NG.774 (P) 231127	0 of 0	- / 0	4 : 0	2 seconds	
Enterprise SNMP server	■	Enterprise SNMP server	Yes	7.0NG.774 (P) 231127	0 of 0	- / 0	4 : 0	2 seconds	

Check the checkbox as Exec Server, enter the port number (default 80) and the IP address of the server where the desired commands will be launched, e.g. for a Satellite server:

Servers / Pandora FMS servers

Update Enterprise Satellite server ID: 10

Name	Satellite774
IP Address	<input type="text" value="192.168.1.37"/>
Description	<input type="text" value="Autocreated at startup"/>
Type	Satellite
Execute server	<input checked="" type="checkbox"/>
Port	<input type="text"/> 

Since the configuration is not finished at this point, the connection test will fail (Check server execution).

SO user configuration on the remote server

Before accessing the Exec Server through SSH, in the Network server PFMS and/or Satellite Server PFMS enabled as Exec server(s), it is necessary to create in that machine a specific user, for example called `pandora_exec_proxy`. In a terminal window connected as root user or equivalent through `sudo`:

```
useradd pandora_exec_proxy -m
```

```
[root@Satellite774 ~]# useradd pandora_exec_proxy -m  
[root@Satellite774 ~]#
```

Assign a password to the newly created user:

```
passwd pandora_exec_proxy
```

```
[root@Satellite774 ~]# passwd pandora_exec_proxy  
Cambiando la contraseña del usuario pandora_exec_proxy.  
Nueva contraseña: 
```

User configuration in PFMS server OS

Digital key generation and copying

Now act as root or equivalent user where PFMS Web Console is running to generate the key pair:

ssh-keygen

```
[root@Pandora774 ~]# ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
Created directory '/root/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:p4gNi1R3+3pAAu9h0na0otiUTw7+zNAiZd8920jclrs root@Pandora774
The key's randomart image is:
+---[RSA 3072]-----+
|
| . . .
| .0....
| .+.#.+
| .+.@ OS..=
| ...+==.+++ +
| . 0.0*.+.. 0
|      .+. 0 .
|      .. . E0
|-----[SHA256]-----+
```

Proceed to copy the key to the remote server (replace the IP address in < Satellite_IP >):

```
ssh-copy-id pandora_exec_proxy@< Satellite_IP >
```

```
[root@Pandora774 ~]# ssh-copy-id pandora_exec_proxy@192.168.1.37
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/root/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
pandora_exec_proxy@192.168.1.37's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'pandora_exec_proxy@192.168.1.37'"
and check to make sure that only the key(s) you wanted were added.
```

Then create the SSH folder of the Apache user, move the credentials and change its owner:

```
mkdir /usr/share/httpd/.ssh
mv /root/.ssh/* /usr/share/httpd/.ssh/
chown -R apache. /usr/share/httpd/.ssh/
```

Exec server operation check

To finish, you only have to test the configuration in the proxy server edition section of Pandora FMS console, check the test indicator by clicking on it:

Update Enterprise Satellite server ID: 10

Name	Satellite774
IP Address	<input type="text" value="192.168.1.37"/>
Description	<input type="text" value="Autocreated at startup"/>
Type	Satellite
Execute server	<input checked="" type="checkbox"/>
Port	<input type="text"/> ⓘ
Check execution of server	<input checked="" type="checkbox"/>

^ Credential boxes

Information ✕

No data

Add ✓

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