



File Collections



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File Collections


File Collections

The file collections are resources used to massively deploy the scripts or plugins to later be [used in Software Agents, Policies of monitoring on agents and Satellite servers](#). It is accessed from the menu Configuration → Collections.

COLLECTION MANAGEMENT

Free text for search (*) 

Collection 	Short name	Group 	Description	Actions
Apache Enterprise Plugin	apache_plugin		Apache Enterprise Plugin to moni... server using a Perl script. 	 
File collection example	FCE		For documentation purpose	 



To create a new collection of files, click the Create button:

MANAGER CONFIGURATION > NEW

Name:

Group:

Short name: ?

Description:









Fill in the name, group, short name and description and click Create.

To add resources to a collection go back to the collections list and click on the name of the collection to which resources are to be added.

MANAGER CONFIGURATION > EDI...FILE COLLECTION EXAMPLE

Files

Index of FCE

Name	Last modification	Size	Actions
 Example directory	October 25, 2022, 10:41 pm		
 Example text	October 25, 2022, 10:57 pm	19 B	 
 rufus.ini	October 25, 2022, 10:20 pm	96 B	 

In the three icons highlighted in the image above, from left to right you can create a directory,

create a text (which you can then edit) or store a new file.

Once the resources have been added, return to the list of collections and an icon with a yellow triangle where you can click to synchronise the changes with the different elements of Pandora FMS (agents, Software Agents, monitoring policies and Satellite servers).

COLLECTION MANAGEMENT

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Collection	Short name	Group	Description	Actions
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Each collection has its own base directory. In the Web Console these are stored in the `/pandora_console/attachment/collection` directory with a name like `fc_XXX`, where `XXX` is the numerical ID of the collection. File collections can contain subdirectories. File collections are transferred as ZIP (compressed) files to the Agent, using [Tentacle](#). At least one file must be in the collection and the ZIP utility must be installed for compression. File collections are only supported with Tentacle's transfer mode.

File Collections and Software Agents

Go to Resources → Manage agents and click on a Software Agent name. Click the Collection tab. You will have a list of available collections similar to this:

Resources / Manage agents / Collection

KEPLER

Free text for search (*) Search

Name	Short name	Description	Status	Add
Apache Enterprise Plugin	apache_plugin	Apache Enterprise Plugin to moni... server using a Perl script.		
File collection example	FCE	For documentation purpose		

If a Software Agent has **remote configuration** disabled, it will show the following warning:

Resources / Manage agents / Collection

KEPLER

INFORMATION

This agent has no remote configuration, please configure it.

To add a collection click the plus icon in the Add column:

Resources / Manage agents / Collection

KEPLER

Free text for search (*) Search

SUCCESS

Collection added successfully

Name	Short name	Description	Status	Add
Apache Enterprise Plugin	apache_plugin	Apache Enterprise Plugin to moni... server using a Perl script.		

P.	Name	Dir	Description	Status	Remove
	File collection example	FCE	For documentation purpose		

If you see an icon with a yellow warning triangle in the Status column, the collection may either be empty or the collection has not been synced. If the collection contains files or directories, click on the yellow icon. Once you have applied the changes the status of the collection will indicate the success of the synchronisation.

Resources / Manage agents / Collection

KEPLER

Free text for search (*) Search

SUCCESS
 Collection package created successfully

Name	Short name	Description	Status	Add
Apache Enterprise Plugin	apache_plugin	Apache Enterprise Plugin to moni... server using a Perl script.		

P.	Name	Dir	Description	Status	Remove
	File collection example	FCE	For documentation purpose		

After a few minutes you can go to Configuration → Collections and click the name of the added collection. The newly added Software Agent will be displayed in the agents tab.

SHOW AGENT >ID

Agent

KepleR (KEPLER)

Location of file collections in the Software Agent

Each collection of files has a short name. This means that the utilities, scripts or executable files that are inside the collection will be in:

MS Windows®

```
%ProgramFiles%\pandora_agent\collections\short-name
```

GNU/Linux®

```
/usr/share/pandora_agent/collections/short-name
```

It is important to know that the collection is compressed to be sent to the Software Agent, so the latter must have the unzip.exe tool to be able to decompress the file. As of Agent version 3.2 for MS Windows®, this utility is installed inside:

```
%ProgramFiles%\pandora_agent\utils
```

You need to know this to be able to use Modules that work when working with those files, to be able to specify the full “real” path. Each file collection is stored at a different address, to prevent different file collections from overwriting or conflicting with each other.

The collection control system is based on MD5 hashes, similar to the management of configuration files of the Agents. When creating the collection in the Pandora FMS Web Console, an MD5 hash is created that is sent to the Software Agent. This MD5 will only be updated when changes occur in the collection on the Pandora FMS Web Console side, and not in the Software Agent. Therefore, changes to collections made locally on agents will remain as long as the collection is not changed in the Web Console.

If any change is made to the collection on the Web Console side, the MD5 will be recalculated, and when it disagrees with the existing one in the Agents, it will apply the last configuration of the collection, overwriting the previous one and eliminating possible local modifications about the collections.

If you want to use a Module that uses a file included in the collection, refer only to the directory that contains the collection, using its fixed identifier. This is an example using a [Plugin module](#):

Resources / Manage agents / Modules

KEPLER

✓ Base options

Using local component:

Name: Disabled Module group:

Type:

Warning threshold: Min. Max. Inverse interval Percentage

Critical threshold: Min. Max. Inverse interval Percentage

Historical data:

Data configuration:

Legend: ■ Normal Status, ■ Warning Status, ■ Critical Status

Scale: 100, 80, 60, 40, 20, 0, -20, -40, -60, -80, -100

Buttons: Load basic, Check

File collections and monitoring policies

It works much like individual Agent collections, but instead of applying a collection to a specific Agent it applies to a policy:

Collection
KEPLER
🔍
🗑️

Free text for search (*)

Search
🔍

SUCCESS

Collection added successfully

✕

Name	Short name	Description	Status	Add
🔍 Apache Enterprise Plugin	apache_plugin	Apache Enterprise Plugin to moni... server using a Perl script. i	✔	+

P.	Name	Dir	Description	Status	Remove
🔍	File collection example	FCE	For documentation purpose	✔	🗑️

See [this section](#) to manage and sync collections.

File collections on Satellite server

Click on the Servers → Manage servers menu and then click on the remote configuration icon of the Satellite server to which the collection will be added. Click on the Collections tab and in the list of available collections, in the Actions column add the respective collection by clicking on the icon +. In the same way, you can delete the added collections by clicking the trash can icon.

The screenshot shows the Pandora FMS web interface. At the top, there is a search bar on the left and a navigation bar on the right containing icons for refresh, notifications (2), help, settings, and user profile (admin). A 'Collections' dropdown menu is open, showing a folder icon highlighted with a red box. Below the menu is a large text input field. At the bottom, a table with an 'Actions' column is visible. The first row contains the text 'to monitor Apache web server using a Perl script.' and a plus icon (+) highlighted with a red box. The second row has a plus icon (+). The third row has a plus icon (+). The fourth row has a trash icon highlighted with a red box. The fifth row has a trash icon.

When saving the changes, after a few minutes, you will be able to see in the configuration file the new section created with the added collections and their respective short name.

Configuration

```
# Threads dedicated to WMI polling
wmi_threads 5

# Secondary server configuration
# =====

# If secondary_mode is set to on_error, data files are copied to the secondary
# server only if the primary server fails. If set to always, data files are
# always copied to the secondary server.
#secondary_mode on_error
#secondary_server_ip localhost
#secondary_server_path /var/spool/pandora/data_in
#secondary_server_port 41121
#secondary_transfer_mode tentacle
#secondary_server_opts

#INIT add_host
add_host 192.168.50.45 192.168.50.45
#INIT ignore_host
ignore_host 192.168.50.9
#INIT delete_host
delete_host 192.168.50.5

# File collections
file_collection test5
file_collection test2
```

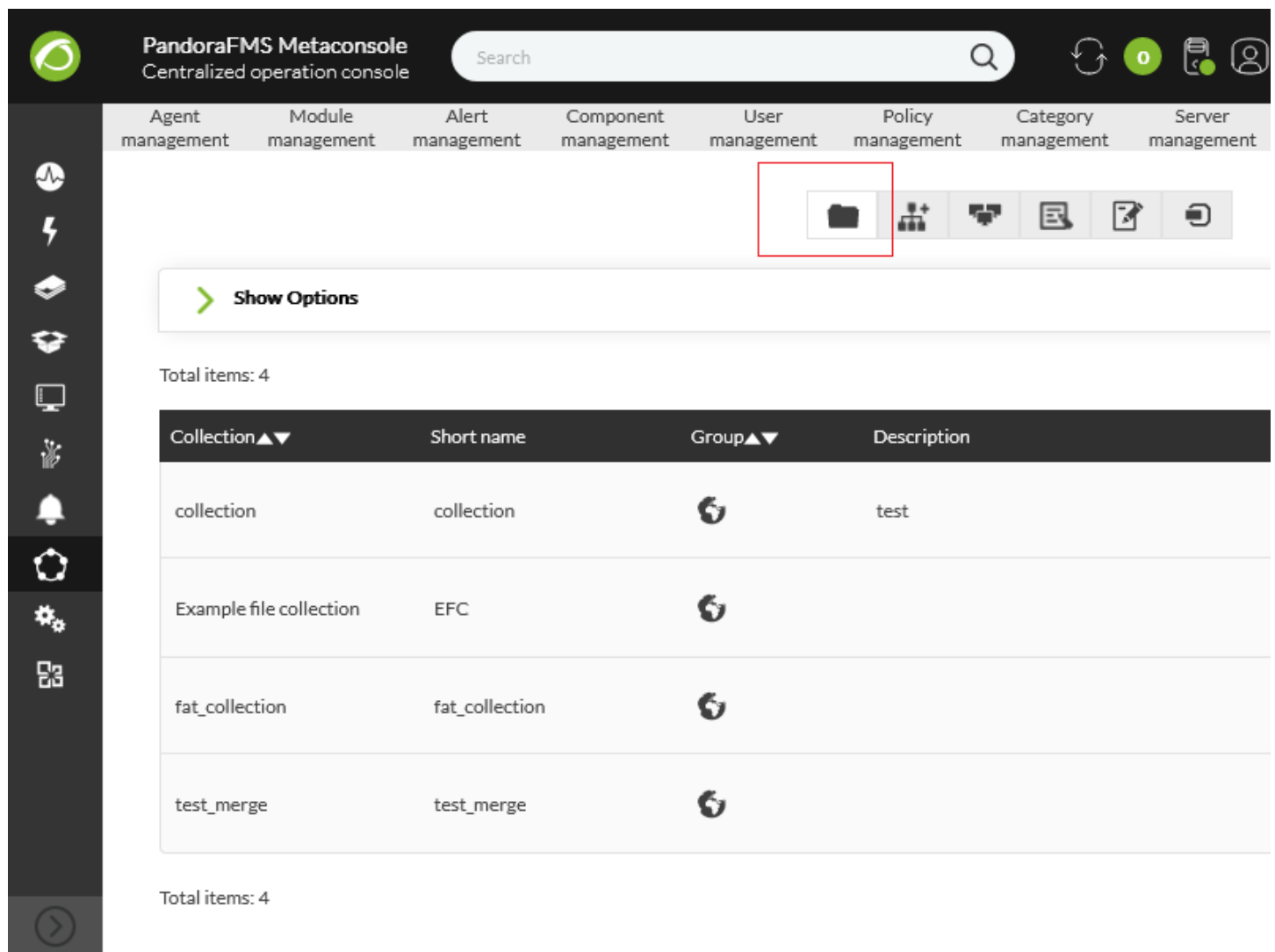
Update 

See [this section](#) to manage and sync collections.

File collections in Command Center

Starting with Pandora FMS 729 OUM can centralise collection management from [Command Center \(Metaconsole\)](#). To access it, go to the Centralised management → Agent management and click on

the Collections tab.



PandoraFMS Metaconsole
Centralized operation console

Search

Agent management | Module management | Alert management | Component management | User management | Policy management | Category management | Server management

Folder icon (highlighted in red)

Show Options

Total items: 4

Collection▲▼	Short name	Group▲▼	Description
collection	collection	🌐	test
Example file collection	EFC	🌐	
fat_collection	fat_collection	🌐	
test_merge	test_merge	🌐	

Total items: 4

See [this section](#) to manage and sync collections, as they work similarly in the Web Console.

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