



# File Collections



m:  
<https://pandorafms.com/manual/!776/>  
Permanent link:  
[https://pandorafms.com/manual/!776/en/documentation/pandorafms/technical\\_annexes/28\\_pfms\\_file\\_collections](https://pandorafms.com/manual/!776/en/documentation/pandorafms/technical_annexes/28_pfms_file_collections)  
24/06/10 14:34



# File Collections

We are working on the translation of the Pandora FMS documentation. Sorry for any inconvenience.

## File Collections

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

The screenshot shows the 'COLLECTION MANAGEMENT' interface. At the top, there is a search bar with the placeholder text 'Free text for search (\*)' and a 'Search' button with a magnifying glass icon. Below the search bar is a table with the following columns: 'Collection', 'Short name', 'Group', 'Description', and 'Actions'. The table contains two entries:

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	 

At the bottom right of the interface, there is a 'Create' button with a right-pointing arrow.

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 synchronize the changes with the different elements of Pandora FMS (agents, Software Agents, monitoring policies and Satellite servers).

### 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	 

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](#). 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 (Collection) tab. You will have a list of available collections similar to this:

Resources / Manage agents / Collection

## KEPLER

Free text for 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 (\*)

**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 synchronization.

The screenshot shows the Pandora FMS interface for managing agents. The breadcrumb is "Resources / Manage agents / Collection". The page title is "KEPLER". A search bar is present with the text "Free text for search (\*)" and a "Search" button. A notification banner at the top indicates "SUCCESS: Collection package created successfully". Below the notification are two tables of collections.

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.

The screenshot shows the Pandora FMS interface for viewing a specific agent. The breadcrumb is "SHOW AGENT >ID". The page title is "Agent". The agent name is "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 executables 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: --Manual setup--

Name:  Disabled  Module group:

Type:

Warning threshold: Min.  Max.  Inverse interval  Percentage

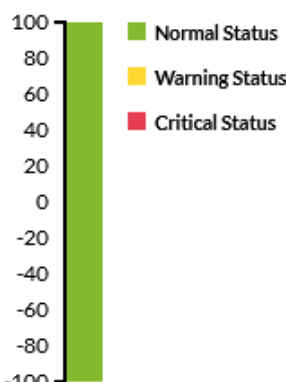
Critical threshold: Min.  Max.  Inverse interval  Percentage

Historical data:

Data configuration: 

```
module_begin
module_name DiskFree%_C
module_type generic_data
module_description
module_plugin_script //B "%ProgramFiles%\pandora_agent\collections\fc3\df_percent.vbs"
module_end
```

Load basic



100  
80  
60  
40  
20  
0  
-20  
-40  
-60  
-80  
-100

- Normal Status
- Warning Status
- Critical Status

## 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. <span style="font-size: 16px; color: #00a651;">i</span>	<span style="font-size: 20px;">✔</span>	<span style="font-size: 20px;">+</span>

P.	Name	Dir	Description	Status	Remove
🔍	File collection example	FCE	For documentation purpose	<span style="font-size: 20px;">✔</span>	<span style="font-size: 20px;">🗑️</span>

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

## File collections on Satellite server

**E** Click on the Servers menu → Manage servers 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 navigation bar with a search icon, a refresh icon, a notification icon with a red '2', a user profile icon labeled '(admin)', and a share icon. Below this is a 'Collections' dropdown menu with a folder icon highlighted by a red box. The main content area contains a table with a header 'Actions'. The first row of the table has the text 'to monitor Apache web server using a Perl script.' and a plus sign icon (+) highlighted by a red box. The second row has a plus sign icon (+). The third row has a plus sign icon (+). The fourth row has a trash can icon highlighted by a red box. The fifth row has a trash can 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

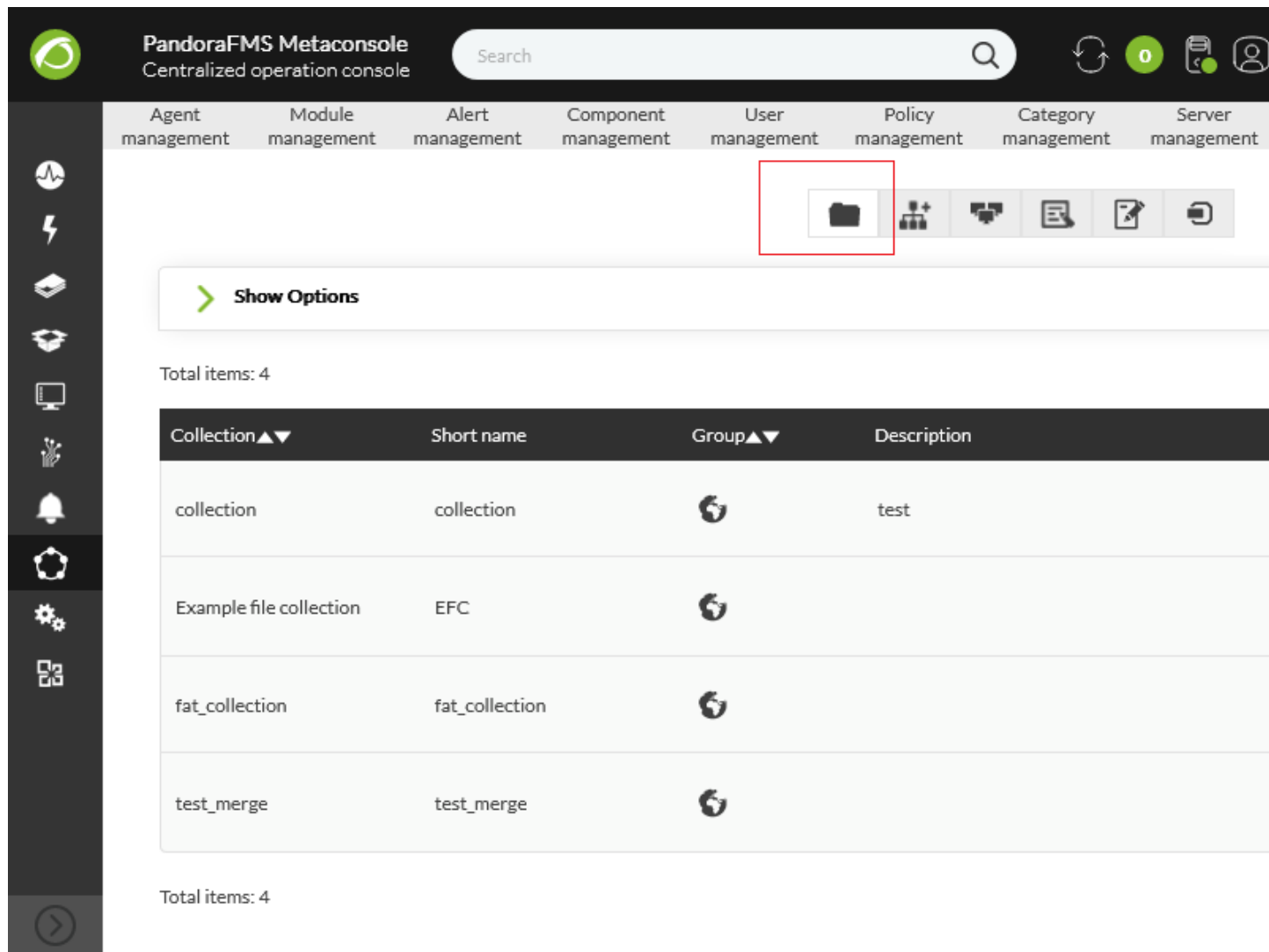
# File collections
file_collection test5
file_collection test2
```

Update 

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

## File collections in Metaconsole

Starting with Pandora FMS 729, OUM can centralize collection management from [Metaconsole](#). To access it, go to the Centralized management menu → Agent management (Centralized 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)

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.

[Back to Pandora FMS Documentation Index](#)