PANDORAFMS

RELEASE

756
June 2021

These release notes describe new features, improvements and fixed issues in Pandora FMS NG 756. They also provide information about upgrades and describe some workarounds for known issues.

For more information on previous versions, visit the release notes section on our website. For information about minimum system requirements, visit the installation section in our official documentation.

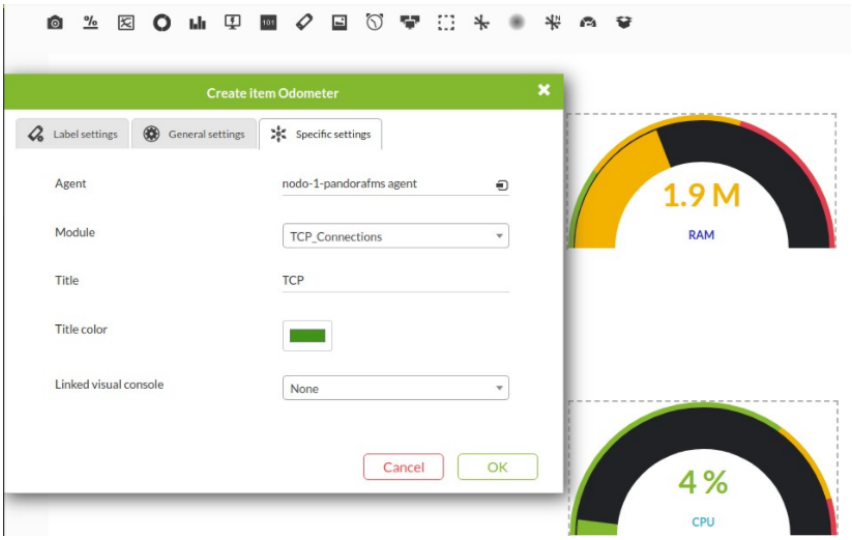
VERSION UPDATE

- New features and improvements
- How to update Pandora FMS
- Known changes and limitations
- Fixed vulnerabilities
- Special updates notes
- Changes and improvements
- Bug fixed
- Documentation update
- Legal information

NEW FEATURES AND IMPROVEMENTS

Added new widget: Odometer for visual consoles

A new odometer widget has been added. It will have two types of operations, one if it is a percentage value and the other if it is an absolute value, where its maximum and minimum values will be taken as a reference for its calculation.



New automatic adjustment option in visual consoles

A new option has been added so that when you add a visual console in full screen mode, its width automatically adjusts.

How to update Pandora FMS

There are several ways to update Pandora FMS console:

- Through Update Manager, in Pandora FMS console itself, automatically (it requires console internet connection).
- Through Update Manager, in Pandora FMS console itself, manually, through OUM update files.
- By manually installing packages (rpm, deb...) and later updating the console through the web interface.

The server will have to be manually updated through RPM or tarball packages.

You can find more information about Pandora FMS downloads on our website:

OpenSource version packages.

Enterprise version packages.

For detailed information and the steps to follow to update each item, classified by operating systems, go to our Wiki

Massive operations on Service elements

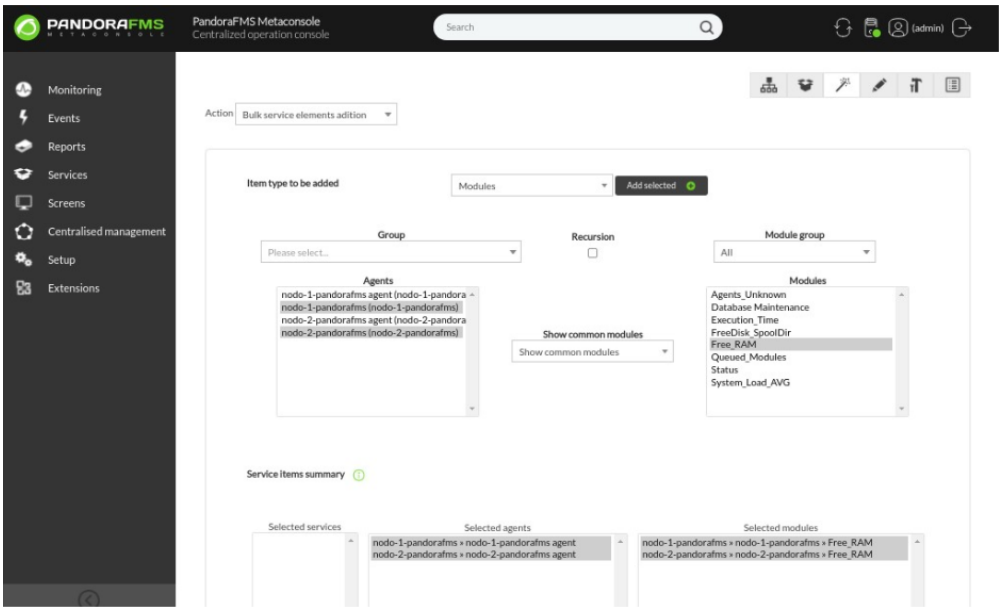
The ability to mass create/edit/delete items has been added in Services in both Nodes and Metaconsole.

Inside the Metaconsole, the following have been added:

- Wizard within services to be able to add/edit/delete several service elements at once on service elements.

- Service list option for mass creating and deleting services.

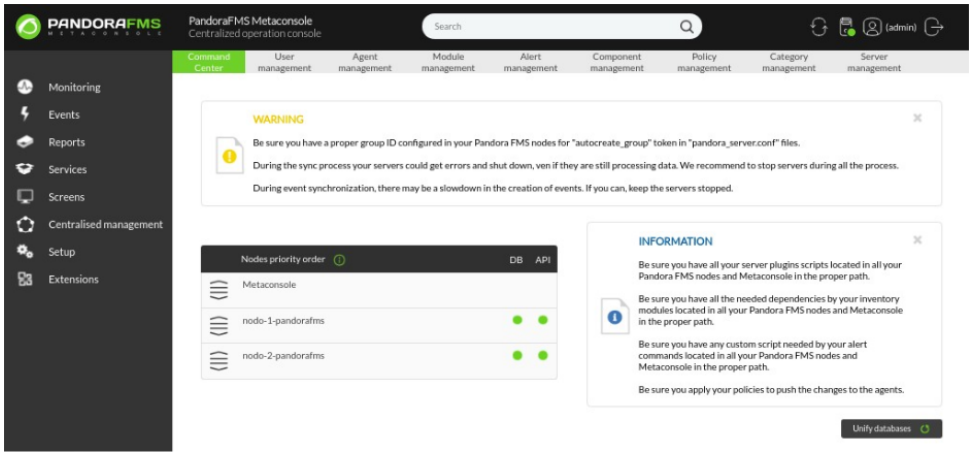
Within Nodes, service mass creation and deletion has been implemented from mass operations, as well as the ability to add/edit/delete several service elements at once.

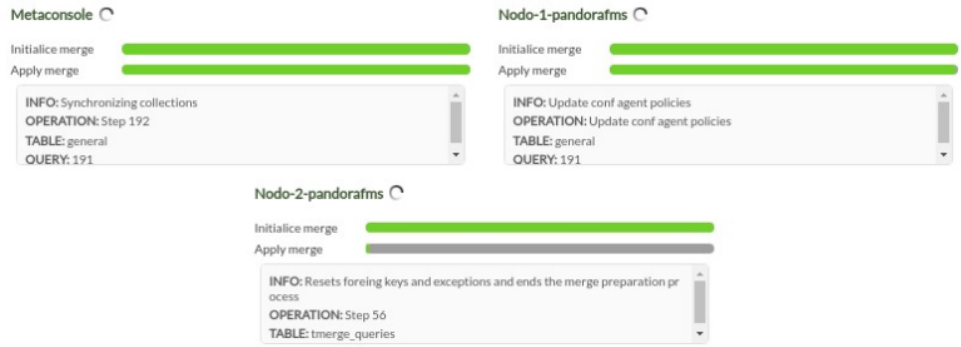


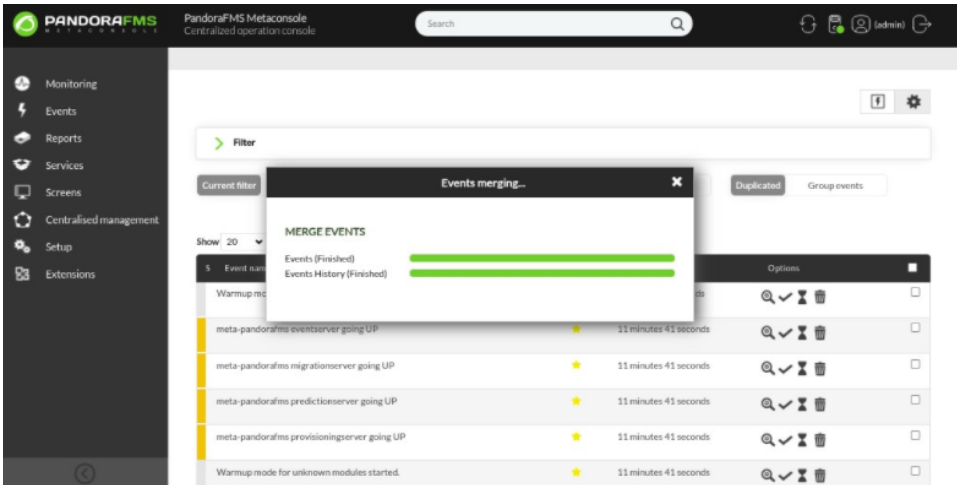
Metaconsole centralized mode: Command Center

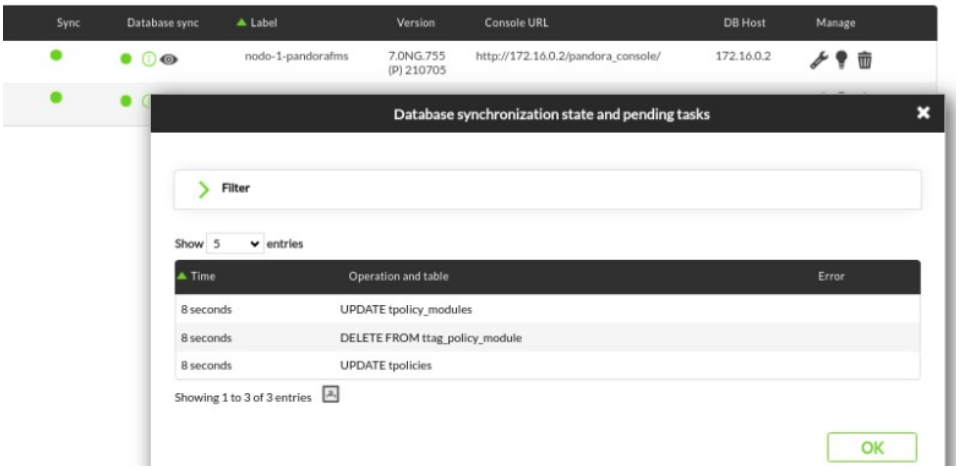
In this version, we introduce a new Metaconsole component, the Command Center, which allows working in a unified way in nodes, in a much more agile and fail-safe way. Any changes to the system configuration will be propagated to the nodes automatically.

From this version onwards, if you wish to configure anything from the Metaconsole, it is necessary to enable centralized mode. If disabled, it will only be used for licensing and display. This mode's activation is necessary for proper working.


PANDORAFMS
PandoraFMS Metaconsole
Centralized operation console
Search
admin
Command Center
User management
Agent management
Module management
Alert management
Component management
Policy management
Category management
Server management
Monitoring
Events
Reports
Services
Screens
Centralised management
Setup
Extensions
WARNING
Be sure you have a proper group ID configured in your Pandora FMS nodes for "autocreate_group" token in "pandora_server.conf" files.
During the sync process your servers could get errors and shut down, ven if they are still processing data. We recommend to stop servers during all the process.
During event synchronization, there may be a slowdown in the creation of events. If you can, keep the servers stopped.
Nodes priority order
DB
API
Metaconsole
nodo-1-pandorafms
nodo-2-pandorafms
INFORMATION
Be sure you have all your server plugins scripts located in all your Pandora FMS nodes and Metaconsole in the proper path.
Be sure you have all the needed dependencies by your inventory modules located in all your Pandora FMS nodes and Metaconsole in the proper path.
Be sure you have any custom script needed by your alert commands located in all your Pandora FMS nodes and Metaconsole in the proper path.
Be sure you apply your policies to push the changes to the agents.
Unify databases


Metaconsole
Initialice merge
Apply merge
INFO: Synchronizing collections
OPERATION: Step 192
TABLE: general
QUERY: 191
Nodo-1-pandorafms
Initialice merge
Apply merge
INFO: Update conf agent policies
OPERATION: Update conf agent policies
TABLE: general
QUERY: 191
Nodo-2-pandorafms
Initialice merge
Apply merge
INFO: Resets foreing keys and exceptions and ends the merge preparation process
OPERATION: Step 56
TABLE: tmerge_queries


PANDORAFMS
PandoraFMS Metaconsole
Centralized operation console
Search
admin
Monitoring
Events
Reports
Services
Screens
Centralised management
Setup
Extensions
Filter
Current filter
Events merging...
MERGE EVENTS
Events (Finished)
Events History (Finished)
Duplicated
Group events
Show 20
Options
meta-pandorafms eventserver going UP
meta-pandorafms migrationserver going UP
meta-pandorafms predictionserver going UP
meta-pandorafms provisioningserver going UP
Warmup mode for unknown modules started.
11 minutes 41 seconds


Sync
Database sync
Label
Version
Console URL
DB Host
Manage
nodo-1-pandorafms
7.0NG.755
(P) 210705
http://172.16.0.2/pandora_console/
172.16.0.2
Database synchronization state and pending tasks
Filter
Show 5 entries
Time
Operation and table
Error
8 seconds
UPDATE tpolicy_modules
8 seconds
DELETE FROM ttag_policy_module
8 seconds
UPDATE tpolicies
Showing 1 to 3 of 3 entries
OK

New Alert server

A new server has been added to Pandora FMS. The alert server will be in charge of processing and sending all the alerts, thus being able to free threads from the rest of the servers so as not to overload data processing while the alerts are launched in environments with many alerts. This server is optional and if it is not enabled, the alerts continue to work as before.

KNOWN CHANGES AND LIMITATIONS

The use of the Metaconsole wizard will only be available when centralized mode is enabled.

FIXED VULNERABILITIES

In this release, different entryways (CSRF, Clickjacking) to Pandora FMS code through the web browser in the following views have been solved:

Case#	GitLab #	Description
11626	7390	Fixed vulnerability when performing a forced password reset.
11626	7389	Fixed vulnerability when trying to access the event view directly and having to login.
N/A	7663	Fixed server hash vulnerability in the database.
N/A	7603	Fixed vulnerability in file manager.

FEATURE EXTINCTION

With the new synchronization system in the Metaconsole (Command center), old manual synchronization tools have disappeared. The Command Center replaces them.

Special Update notes

SPECIAL UPDATE NOTES

In centralized Metaconsole environments, it will be necessary, after updating, to perform a unification process through the Command Center to guarantee data integrity throughout the infrastructure.

Changes and improvements

CHANGES AND IMPROVEMENTS

Case#	GitLab #	Description
N/A	6963	Improved performance of policy enforcement in Metaconsole environments with many agents and multiple nodes.
N/A	7272	Added new widget: Odometer for visual consoles
N/A	7143	New automatic adjustment field for full screen in visual consoles.
N/A	7494	Fixed and improved synchronization between Metaconsole and Node to solve desynchronization problems.
N/A	4759	Added the possibility of communication from Pandora FMS server with Mysql through SSL and certification.
8865	4782	Added the ability to register server plugins in Metaconsole.
N/A	7038	Added the possibility of introducing agent filtering through regexp in report generation by template in console scheduled tasks.
N/A	6990	Added the ability to make report copies.
N/A	7144	Added token to be able to change the legend in the "event histogram" item in visual consoles.
N/A	6661	Added the possibility to mass create/edit/delete Service items in both Node and Metaconsole.
N/A	7775	Removed all reference to event alerts from the Metaconsole.
N/A	7127	Added alert server.
N/A	7772	The Metaconsole wizards will not be able to be used if you do not have centralized mode enabled.

BUG FIXES

Case#	GitLab #	Description
N/A	7732	Fixed the agent auto-discovery plugin error by which it retrieved information when the service did not even exist.
N/A	7708	Fixed collection replication bug from Metaconsole to node, when the latter has smaller php permissions than those of the Metaconsole.
N/A	7608	Fixed the bug of not editing trap alerts in centralized environments, where the alert parameters could not be configured.
N/A	7253	Introduced the possible types of reports when sending via template by mail in scheduled tasks.
N/A	7734	Fixed operator saving in alert correlation rules in the database.
12068	7707	Fixed mismanagement of SNMP wizard with special characters in module names and descriptions.
N/A	7673	Fixed visual error in the mail forwarding test from console.
N/A	7655	Fixed certain visual console items that could lead to its entire failure.
11985	7654/7637	Fixed alert synchronization (templates, actions and commands) from Metaconsole to Node.
N/A	7644	Modified element display in service maps when these are disabled.
N/A	7639	Fixed alert action renaming by which the same name of another existing action could be set.
11977	7635	Fixed trap processing when having multi-threads where they could be processed in parallel, giving an error when two consecutive threads from the same source arrived.
N/A	7630	Fixed visual error when editing report items.
N/A	7629	Fixed mass item deletion error in reports.
11955	7614	Fixed policy synchronization in Metaconsole, where now if a node cannot be updated, its changes stay unprocessed in Metaconsole, giving errors only in the Node that failed.
N/A	7610	Fixed agent creation in Metaconsole where it did not display an error when not assigning a group to it.
11930	7594	Fixed the ACL Enterprise custom profile with shortcuts to a dashboard.
11910	7575	Fixed massive operations on agents when centralized mode is enabled.
11881	7559	Increased the number of _snmp_fx_ macros that can be used in trap alerts.
11820	7555	Fixed the bug when choosing an event filter within a dashboard that was not applied correctly.
N/A	7553	Fixed login error to administrator users through SAML.
11889	7550	Fixed the non-appearance of the node where to create a user if it has the token active in its user configuration.
11819	7547	Fixed the filtering bug in the tree view within a dashboard.

Bug Fixes

Case#	GitLab #	Description
11821	7512	Fixed error when renaming a service in Metaconsole which gave an error when trying.
N/A	7508	Fixed the macro _timestamp_ for alerting alerts about Unknown modules.
11819	7505	Fixed the bug of the tree view in dashboards if you choose a group with children as a group.
N/A	7499	Fixed the display of certain elements in the Metaconsole despite having the PM permission on the user.
N/A	7488	Modified the error when having the installer active when a config.php file already exists in a Pandora FMS installation.
N/A	7469	Fixed not being able to stop transactions in transactional maps.
11723	7451	Corrected wrong permission application in the files of a Metaconsole collection when applying it to the Node.
N/A	7422	Fixed the deletion of OS in Metaconsole whereby it was not deleted correctly in the Node when synchronizing.
N/A	7421	Fixed module group edition and deletion in Metaconsole whereby they were neither edited nor deleted in Node.
N/A	7420	Fixed tag deletion from the Metaconsole whereby they were not deleted correctly from the Node when synchronizing.
N/A	7417	Fixed plugin synchronization from Metaconsole to Node where it gave an error despite doing it correctly.
N/A	7416	Fixed Metaconsole local and remote component creation/editing/deletion in Metaconsole and their subsequent synchronization.
N/A	7415	Fixed Metaconsole component group deletion and their subsequent synchronization.
N/A	7410	Fixed web module creation with advanced parameters in Metaconsole.
N/A	7409	Fixed Metaconsole module creation where the list of components created did not appear.
N/A	7407	Fixed Metaconsole agent creation when the label field in the node configuration does not correspond to the name of the node's server.
N/A	7403	Fixed agent and module macros for log correlation.
N/A	7286	Deleted warning from pandora_server.error when having a web module with the check_string parameter.
11643	7277	Deleted error messages from agent log when not using omnishell.
N/A	7244	Fixed data display errors in network tools.
N/A	7230	Fixed label application in policy modules from Metaconsole.
N/A	7179	Fixed call to update_agent through the CLI where it duplicated the agent's IP in certain database tables.
N/A	7142	Fixed editing buttons missing in a visual console if there is a serialized donut item.
N/A	7115	Fixed visual bugs in the SNMP Interfaces Wizard.
11092	6793	Fixed tag deletion from Metaconsole.

Bug Fixes

Case#	GitLab #	Description
11056	6770	Fixed the possibility of adding modules through the SNMP wizard of a policy on the node despite having the centralized mode active.
N/A	6458	Fixed profile synchronization in the Metaconsole.
9207	5072	Fixed creating/editing/deleting module groups from Metaconsole.
N/A	7731	Fixed minor visual bugs in agent view.
N/A	7783	Fixed blank text on login screen with Black Theme active.
12119	7762	Fixed external tool feature "snmp interface status".
N/A	6964	Fixed agent synchronization to Metaconsole when they were created by uploading by CSV.
12209	7841	Fixed warning inverse thresholds.
12182	7808	Fixed promotion between master and slave servers when the master server fails.
N/A	7818	Fixed alert action editing.
N/A	7809	Fixed subgroup deployment in tree view.
N/A	7820	Modified tree view in Metaconsole by which the content was not displayed properly.
12113	7798	Fixed wrong saving in database with the LDAP option as authentication method.
12132	7795	Fixed console ralentizacion when the environment has no access to the Internet.
12145/11876	7541	Fixed sound alert error by which the fired when they should not.

Remember that you can install the official Pandora FMS update through the Update

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DOCUMENTATION UPDATE

Case#	GitLab #	Description
N/A	7314	Updated remote modules with usage examples in case of the special character ".
N/A	7583	Updated the Spanish translation of the alert correlation view.
N/A	7670	Fixed certain contextual help within Pandora FMS Wiki.
N/A	7746	Added documentation of Pandora FMS server binaries with support for SSL in Mysql and SQL server.
N/A	7664	Added documentation about Pandora FMS startup script.
N/A	7535	Updated websocket/gotty documentation
N/A	7677	Updated the necessary parameters in php.ini for Pandora FMS.
N/A	7759	Added documentation of the new Pandora FMS server parameters.
N/A	7793	Updated sound alert documentation.

Legal Information

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