



RELEASE

750

November 2020

These release notes describe new features, improvements and fixed issues in Pandora FMS NG 750. They also provide information about upgrades and describe some workarounds for known issues.

This is an LTS (Long Term Support) version, a version with maximum stability that incorporates lots of bug fixes. These LTS are only released twice a year.

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](#).



facebook.com/pandorafms
linkedin.com/showcase/pandorafms
@pandorafms

VERSION UPDATE

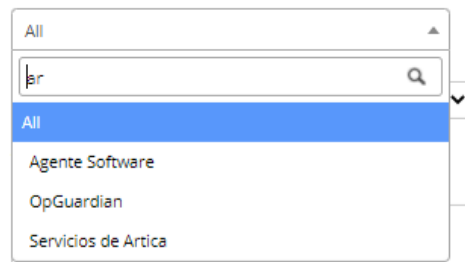
- [How to update Pandora FMS](#)
- [New features and improvements](#)
- [Known changes and limitations](#)
- [Fixed vulnerabilities](#)
- [Feature extinction](#)
- [Changes and improvements](#)
- [Bug fixes](#)
- [Legal information](#)

New features and improvements



New group selector

We replaced the classic group selector by a full AJAX one that allows searching and



New plugins

We have a new plugin to monitor Office 365 and Cloud Foundry.



Profile display enhancements

User management display has been modified. When a user had different profiles in different groups, the information was confusing.



Support for RHEL/CentOS8

Pandora FMS is constantly evolving and we could absolutely not fall behind. In this version, packages for the official Pandora FMS update in CentOS 8 are supplied for the first time.



Improved integration with external ITSM and CMDB processes

The existing feature of assigning an external ID to each Pandora FMS module has been improved. That way, integrations with CMDB and ITSM processes (ticketing) with third-party tools are easier. New API and CLI calls have been created, as well as alert macros and fields in events to make this feature complete.



Known changes and limitations

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](#)

Log Modules

When creating a log type module in both agents and policies, having ElasticSearch enabled in Pandora FMS console, it stayed as "uninitialized" forever as it did not save the information in the database. The creation where these "modules" should be created as agent plugins has been modified, adding the module's configuration instead of the agent plugin line.

Additionally, additional configuration such as timeouts or crontabs can be added to the agent plugin.

Blocking in DB in HA environment

A specific database blocking problem has been identified in HA environments when the database maintenance script was launched from two nodes simultaneously. Detection of the main node (Master) has been added so that non-masters do not perform the operations that cause locks and a parameter (-f) has been added to force execution and bypass protection if necessary.

Fixed vulnerabilities

Thanks to Matthew Aberegg and Ary Dobrovolskiy, among other independent security researchers who have provided us with information and contacted us to report security issues in Pandora FMS.

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

Case #	GitLab #	Description
n/a	6279	In editing operating systems, network scan scripts, special days, remote components, template configuration, user description and private company numbers.
n/a	6278	In the ajax.php used for Pandora FMS console
n/a	6316	In the indexing of certain pandora folders.
n/a	6616	In password reset in Pandora FMS login

Feature extinction

In this release, no existing Pandora FMS features have disappeared.



Other resources for your interest

Documentation of [Pandora FMS online](#)

Plugin Library [Plugin Library](#)

Pandora FMS official [technical support](#)

Changes and improvements

Case #	GitLab #	Description
9854	6279	The number of characters to use in the agent plugins field has increased.
n/a	6278	Modified correlation alert wrong creation flow.
n/a	6316	Added icon for OS Mainframe agents on network maps.
9147	6616	Added the possibility of choosing the agent group created by the dynamic_snmp.pl plugin.
n/a	6185	Modified UM profile performance. A user manager can work only with the users of the group it has permissions on. Fixed several minor issues related to super users and users without profile.
10176 / 10180	5944	Updated the Sybase plugin to use the DBD::Sybase library.
n/a	6119	Changed text string "critical/warning status" to "critical/warning threshold" to avoid misunderstanding.
n/a	6050	Modified the size of the report fonts within the visual styles setup.
n/a	5296	A "Save passwords" button has been added in the Active Directory login configuration that allows to decide whether you want to store the passwords in the local database, just as it exists in the LDAP login configuration.
n/a	6153	Enabled by default the "reset counter for non-sustained alerts" token in alerts.
n/a	5230	Created a pop-up to be displayed when a valid license is deleted or expired.
9411	5435	The possibility of including a default filter in Pandora FMS trap view has been added.
n/a	6257	Added new images for groups and visual consoles by default.
n/a	6145	Added a selector in the module graphs to show/hide the AVG/MAX/MIN data.
n/a	6299	Added statistics controls per container and separated docker and docker_swarm libraries.
n/a	6297	Added the necessary competences to the Oracle plugin to support CDB/PDB.
n/a	6462	Modified Marklogic plugin modification so that port checks are not blocking.
n/a	6459	PDF report creation with lots of graphs performance has been substantially improved.
n/a	6434	Modified the default names of the agents created when installing a Pandora FMS ISO.
n/a	4054	Created a new Cloud Foundry plugin.
10265	6013	Added the option to customize the Y axis of graphs.
n/a	6448	Created the failover token in report wizards for the availability item.
n/a	6318	Added option to accept insecure certificates in WUX checks.
n/a	6370	Added the options to create/remove the covers and indexes of Pandora FMS reports.
10018	5847	Added recommendations for creating new indexes in the database.

Changes and improvements

Case #	GitLab #	Descripción
n/a	6366	Added combo for selecting the type of charts in reports.
10364	6104	Increased the maximum number of fields that can be entered in a command.
n/a	6579	Included agent name and alias macros in response to events.
n/a	6594	Added AD documentation regarding Windows password policy.
n/a	6572	Added more information about events, including API calls.
n/a	6352	Modified the documentation of the VMWare plugin adding some additional tokens that were not documented.
n/a	6606	Added description in service tree view.
n/a	6538	Modified the documentation on the report Monitor report item.
n/a	6644	Created a plugin for Office 365 monitoring.
n/a	6410	Added list of agent IP addresses when using SNMP and WMI wizards, in case you have several.
n/a	6577	An administrator user will no longer have to add any type of profile to be able to be created.
n/a	6550	Pandora HA documentation has been modified and extended.
n/a	6391	Modified dashboard documentation to explain the impossibility of adding two network maps, failing in displaying one of them.
n/a	6359	Fixed documentation bugs in API and CLI calls where the examples were incorrect.
n/a	6287	Added in the VMWare documentation the new dependencies necessary for its correct use.
n/a	5633	Added documentation of node configuration to be able to see the custom fields in the Metaconsole.
n/a	6304 / 6324	Added Pandora WUX documentation section with the commands that can be used in selenium. Also added a section with recommendations for proper monitoring.
n/a	6511	Updated the SAML documentation both descriptive of the tool and configuration in Pandora FMS.
10018	5847	Optimized pandora_db performance through database indexes.
10364	6104	Increased the maximum number of fields that can be added to alert commands.

Bug fixes

Case #	GitLab #	Description
10385 / 10696 / 10684	6320	Fixed the “Rollover” console timestamp operating mode where the date format was displayed incorrectly.
n/a	6289	Modified the wiki to specify how to use the “Item import text from url” report element.
n/a	6288	Fixed Log Report element in reports.
10617	6276	Fixed the display of SNMP graphs of Metaconsole modules.
10666	6327	Fixed “add_cluster_agent” API call.
10483	6250	Deleted PHP Warning errors from the Pandora FMS console log that overfills the log.
10501	6234	Fixed autorefresh in the event view that modified the filter it had at that moment.
10520 / 10629	6212	Fixed module template creation in Spanish.
n/a	6200	Fixed the visual bug of the advanced LDAP parameters without having them active.
10465	6189	Deleted the execution errors of the dynamic_snmp.pl plugin.
n/a	6186	Modified the links of the OpenSource server installers.
10390	6176	Fixed the actions to be carried out with restrictive permissions within the dashboards.
n/a	6138	Fixed the ability to save credentials without an identifier.
9761	6129	Fixed log correlation problems where any log triggered the alert with the configuration by agent.
n/a	6083	Modified log viewer display when no log is found by filtering.
n/a	6077	Fixed the non-differentiation of agents with the same name coming from different nodes in Metaconsole.
n/a	6046	Fixed the change of operators in the correlation alerts already created.
n/a	4292	Fixed a visual bug in Pandora FMS rich text boxes.
n/a	6361	Fixed the display of events of a standard user with administrator permissions on the all group, where any action on system events can be performed.
n/a	10688	Fixed the user editing error when after pressing “enter” when entering a new password, a warning would appear to delete the user.
n/a	6275	Modified collections visual bug showing that a collection was correctly created when edited.
10615	6274	Fixed “get_inventory_module_data” API call.
n/a	6270	Fixed the error of deleting user profiles with accents or spaces.
n/a	6254	Fixed the display of rule templates in alert correlation.

Bug fixes

Case #	GitLab #	Description
10560	6237	Modified agent filtering in Metaconsole policies where all cases were shown regardless of the group.
n/a	6227	Fixed Monitor View visual error that misplaced the console.
n/a	6221	Changed the “thresholds” token error that should be “weights” in services.
10488	6197	Fixed changing the login screen background in Microsoft Edge browser.
10482	6195	Fixed HTML entities that were displayed in the audit table
n/a	6190	Fixed the services message when a service module is disabled.
10444	6169	Fixed SNMP module version modification through massive operations.
n/a	6159	Fixed policy export by which HTML entities were created in CSV.
n/a	6134	Visual change in the report checkboxes to match the new Pandora FMS buttons.
n/a	6127	Fixed a visual error in the error report in Pandora FMS console.
n/a	6118	Fixed user editing visual error that misplaced the console.
n/a	5971	Fixed the display of the event within module graphs.
n/a	5898	Fixed section title duplication in Pandora FMS diagnostic view.
n/a	6262	Fixed bug of user permissions necessary to use mass operations, with the UM permission is enough.
10704	6342	Fixed new modules CPU, Disk, Services... through the WMI wizard.
10701	6338	Modified the error message when the server is down.
10699	6336	Corrected the data obtained by means of the IFHXXXX SNMP Wizard.
10699 / 10652	6334	Fixed the problem whereby the SNMP Wizard did not add the selected modules correctly, but added modules by default.
10183	6630	Fixed server and console failure when adding a new node in HA servers view.
n/a	6325	Fixed network map creation when created using an empty network map.
10688	6322	Fixed the error in editing a user’s passwords that gave the option to delete the user when pressing “enter”.
n/a	6349	Fixed log reports so that matching logs appear correctly.
n/a	6430	Modified Pandora FMS console suggestion/issue forwarding.
10786	6428	Fixed service reports when exported to CSV.
n/a	6423	Fixed module copy error between two different policies.
10756	6421	Fixed the permissions of a standard user with administrator profile.

Bug fixes

Case #	GitLab #	Description
10786	6420	Fixed service report PDF export error.
10451	6382	Modified the checks performed on each IPandora FMS console loading, removing unnecessary HA checks.
n/a	6369	Modified Pandora FMS header for better display.
10493	6251	Fixed an incorrect error message when installing a software agent on CentOS.
10572	6244	Fixed format changes when creating/sending a report with a general item.
n/a	6242	Fixed log filtering error when two agents have the same log source.
10512	6208	Fixed agent automatic deployment in the console. If the target machine does not have any dependencies to install the agent, it will send a descriptive message.
n/a	6177	Visual changes to public dashboard links.
n/a	6063	Recognition task timeouts in satellite server have been modified to avoid blocking.
10145	6049	Fixed errors that block SNMP module execution in the Enterprise server through pandorafsnmp.
n/a	6022	Modified Windows Uptime Module measurement using policies.
10245	5995	Corrected the indexes of the general reports when being sent by mail.
9399	5317	Fixed the error whereby proxy agents could not modify the listening port.
n/a	6328	Fixed icon display in Pandora FMS mobile console.
n/a	6285	Fixed the error of the percentile item of visual consoles when it had a tag.
n/a	6471	Fixed availability item naming in reports when created through wizards.
n/a	6468	Fixed default module creation for Cisco systems detected by Discovery.
n/a	6467	Fixed reports selection in Metaconsole, where it always selected the first node in the list.
10825	6466	Fixed event deletion when they move to history, by which even without having that option enabled, they were deleted if the number was not 0.
n/a	6463	Modified sql vertical graph item in both node and Metaconsole reports.
n/a	6456	Fixed agent group change when using mass agent operations.
n/a	6453	Fixed sql Metaconsole report map key to adjust to report space.
n/a	6450	Fixed Oracle Discovery tasks, where if the first task failed, the rest were not done.
n/a	6444	Modified tconfig synchronization between Metaconsole and nodes, so that it is done straight away.
n/a	6443	Fixed Pandora FMS Windows server failure when using the agent deployment feature.
10509	6472	Fixed graph creation failure with SAML.

Bug fixes

Case #	GitLab #	Description
10749	6439	Fixed the report availability item when enabling the option to show summary statistics.
n/a	6433	Fixed default API settings for new ISO installations.
n/a	6432	Fixed the default configuration of console mailings for new ISO installations.
n/a	6416	Fixed missing percentile token in simple graph items in reports.
n/a	6412	Modified WUX checks with comments, by which before, when reading a comment, it stopped performing checks, validating them as correct.
10747	6409	Fixed getValue command in WUX checks in Google Chrome.
10747	6408	Fixed getScreenshot command in WUX checks in Google Chrome.
n/a	6395	Fixed agent deployment on debian and ubuntu systems.
10756	6394	Fixed the delete_agent API call in Metaconsole.
n/a	6383	Modified event filters, where the tags field was always taken into account even without being selected.
10183	6330	Fixed the node adding to HA causing the console to crash.
10340	6273	Fixed module duplication by policies when the node already existed, where the module was not deleted in agent conf.
10340	6273	Fixed data module settings with thresholds created through policy, where if something was changed in the module in agent, the thresholds were modified.
n/a	6222	Fixed WUX failures when using the webdriver recorder.
n/a	6199	Added PerIO:encoding dependency to Marklogic plugin.
10407	6173	Modified policy enforcing in Metaconsole, increasing their performance.
10436	6168	Satellite packages created for CentOS 6.
n/a	6076	Fixed duplicate metrics using oracle plugin.
10641	6373	Fixed going to normal events with modules with the active FF threshold.
n/a	6360	Modified the Hyper-V plugin to retrieve the used memory correctly.
9940	6346	Fixed secondary group filters in events and reports of alerts and events.
10691	6337	Fixed Syslog server performance issues for large loadings.
9663	6043	Fixed the SQL query error in Metaconsole, where it points to the Metaconsole database.
8979	4867	Fixed FF interval performance in WUX modules.
n/a	6397	Visual review of node and Metaconsole reports.
n/a	6385	Modified the default display size of module graphs.
n/a	6678	Fixed node selector error in Metaconsole reports.

Bug fixes

Case #	GitLab #	Description
n/a	6677	Fixed SQL error when trying to make reports with ALL group.
n/a	6626	Modified custom event filters, which did not save certain fields properly.
n/a	6586	Fixed owner section in events when performing an action.
n/a	6508	Fixed node and Metaconsole event reports.
n/a	6524 / 6526	Fixed HTML views of different reports both in node and console.
n/a	6569	Fixed rept export and import.
n/a	6599	Modified module view filtering whereby filtering by group and recursion gave back errors.
n/a	6629	Fixed group counting in tree view, where child groups were not taken into account.
n/a	6657	Fixed zooming error in module graphs using the divide-by-two option.
n/a	6587	Modified event comments, where when an event was validated, they were deleted.
n/a	6578	Fixed issues with sound events when choosing groups.
n/a	6576	Fixed several event macros to be used in alert commands.
n/a	6658	Modified tags in graph export to CSV.
n/a	6556 / 6557	Fixed module post processing.
n/a	6601	Fixed tag deletion whereby they could not have less than 4.
n/a	6546	Fixed font size editing in Metaconsole reports.
n/a	6554	Modified events export to CSV since it always took out the empty state of all events.
n/a	6495	Fixed the limited number of characters in the IP field in the node server view when updating.
n/a	6497	Fixed the alert report by group when choosing the ALL group.
n/a	6518	The options that can be selected in the network interfaces item in reports both in node and in Metaconsole have been modified.
n/a	6483	Fixed group recursion bug in the group report item.
n/a	6488	Fixed error of the possible creation of agents with the ALL group.
n/a	6487	Fixed refreshing error of the favorite visual consoles view.
n/a	6469	Fixed name saving in remote component creation that was saved with entities.
n/a	6470	Modified remote component creation with the token of "execution type -> plugin" by which it was not properly created.
n/a	6482	Restructured event grouping to show first the last event to arrive.
n/a	6485	Corrected children recursion to show within report item agent selectors.

Bug fixes

Case #	GitLab #	Description
n/a	6555	Modified the message when deleting the last user profile, which is deleted if there are no profiles left.
n/a	6477	Fixed group selection bug in dashboard widgets.
n/a	6496	Modified the map key of certain report items where the word "Array" appeared when it should not.
n/a	6478	Corrected the sources in certain report items for their correct display in both HTML and PDF, both data and map keys.
n/a	6476	Modified report SLA item export to CSV.
n/a	6531	Fixed simple graph item in Metaconsole reports, where the agent could not be properly selected once the node was chosen.
n/a	6484	Fixed permission error while being the administrator of the WUX transaction widget of the dashboards.
n/a	6481	Fixed Metaconsole event self-validation.
n/a	6552	Fixed template HTML view in Metaconsole SQL graph items.
n/a	6512	Fixed ACLs problems in alert view.
n/a	6580	Modified group editing so that a group cannot be its own parent.
n/a	6549	Fixed the insertion of item custom graph in reports using a wizard.
n/a	6592	Fixed errors caused by the deployment of Metaconsole plugins.
n/a	6413	Fixed checks section in SNMP and WMI wizards where not all were selected in the general checks.
n/a	6604	Fixed connection loss in visual consoles with public link.
n/a	6575	Fixed user synchronization error from Metaconsole to node when a profile with subgroups is added.
n/a	6513	Modified the MacOS agent for High Sierra, where the agent stopped working if the path "/usr/local/bin" did not exist.
n/a	6571	Modified pandora_ha performance when a thread of a single server died, so that it does not restart completely Pandora FMS.
10872	6551	Fixed error whereby if the type of a module was changed, then the modules created by default in Pandora FMS could not be displayed.
n/a	6256	Fixed the postgres plugin when custom queries with special characters were used.
n/a	6680	Fixed disconnection window appearing when opening the sound events window.
n/a	6573	Fixed the error where when using AD and changing the password for the first time, it gave a permission error when trying to log in for the first time.
n/a	5982	Modified HANA plugin performance to work correctly locally.



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

Update 

Contact

Unites States

Brickell City Tower
80 S.W. 8th Street
Miami. USA
Tel.: +1-305-900-6683
info@pandorafms.com

Europe, Middle East and Africa

Casas de Miravete 22-
24 Street.
Madrid. Spain
Tel.: +34-91-559-72-22
Tel.: +33-7-555-39-209
info@pandorafms.com

Latin America

Tel: +51-164-190-94
Tel: +52-5585-264-997
info@pandorafms.com

Pacific Asia

Rworks, Inc
Tel: +81-3-5946-8405
rw-sales@rworks.jp

Legal information

© 2020 Pandora FMS LLC. All rights reserved.

This document may not be reproduced by any means nor modified, decompiled, disassembled, published or distributed, in whole or in part, or translated to any electronic medium or other means without the prior written consent of Pandora FMS. All right, title, and interest in and to the software, services, and documentation are and shall remain the exclusive property of Pandora FMS, its affiliates, and/or its respective licensors.

PANDORA FMS DISCLAIMS ALL WARRANTIES, CONDITIONS, OR OTHER TERMS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, ON THE DOCUMENTATION, INCLUDING WITHOUT LIMITATION NONINFRINGEMENT, ACCURACY, COMPLETENESS, OR USEFULNESS OF ANY INFORMATION CONTAINED HEREIN. IN NO EVENT SHALL PANDORA FMS, ITS SUPPLIERS, NOR ITS LICENSORS BE LIABLE FOR ANY DAMAGES, WHETHER ARISING IN TORT, CONTRACT OR ANY OTHER LEGAL THEORY, EVEN IF PANDORA FMS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

The Pandora FMS trademarks are the exclusive property of Pandora FMS LLC or its affiliates, are registered with the U.S. Patent and Trademark Office, and may be registered or pending registration in other countries. All other Pandora FMS trademarks, service marks, and logos may be common law marks or are registered or pending registration. All other trademarks mentioned herein are used for identification purposes only and are trademarks of (and may be registered trademarks) of their respective companies.