



RELEASE

765

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VERSION UPDATE

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Version NG 765 RRR

This is a minor update with new features. The latest high-stability version is **Pandora FMS 762 AKIRA LTS (Long Term Support)**. Regular versions (RRR) are monthly versions that cover many changes and new features.

They're perfect for those users that need to be up-to-date with the latest news and are not afraid of finding some rough edge. LTS versions are oriented towards consolidating all the changes from RRR versions and offering maximum stability.

These release notes describe new features, improvements and fixed issues in **Pandora FMS NG 763 RRR**. They also provide information about improvements and describe 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](#).

New features and improvements

New scheduled downtime option. Disable modules

A new feature has been added within the scheduled downtimes. Now you may choose the option to disable modules without stopping the agent itself.

History database in Metaconsole

Just as it existed in Pandora FMS nodes, there is now the possibility of having a history database within the Metaconsole.

Pandora WMIC package for ARM systems

Usage in ARM environments is growing, and we have created an ARM-supported binary for environments that use the Satellite to remotely monitor Windows.





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](#)

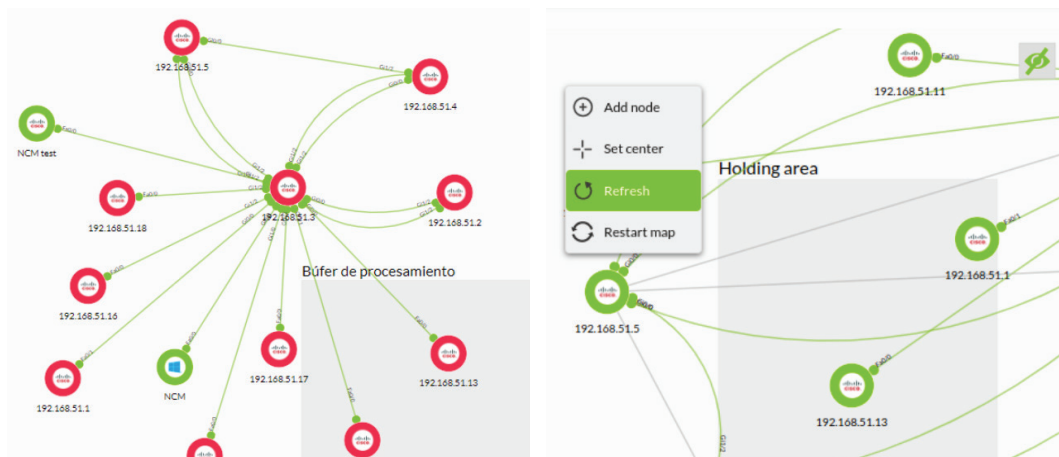
IP console access control

Different users requested to control access to the console by source IP, which can be defined individually by user. We implemented it so that masks can also be defined, e.g.: 192.168.100.*

Improved network maps

Multiple changes have been made to network maps to improve the usability, performance and network map setup.

- Map drawing and refreshing is automatic and dynamically reflects the changes in the network, highly improving the existing display in previous versions.
- The possibility of deleting “Pandora FMS” node as well as all its relationships has been added. Usability has also been improved manual relationships management between nodes.
- Added linking between network maps. When there is a dummy node pointing to another network map, it will be possible to access that map from the options of the dummy node.



New report type: system module inventory

The new type of report “System module inventory” has been created, through which you will have an inventory of the modules generated in your Pandora FMS installation registered by module name, remarking the necessary information for those modules that have the same module name.

Name	Description	Module group	Tags	Agent group	Agent secondary groups
CPU Load	User CPU Usage (%)	System	critical configuration cpu_usage	Servers	Web Workstations
CPU IOWait	Too much IOWait means IO bottleneck and performance problems. Check also LoadAVG.	System		Servers	Web Workstations
Load Average	Average process in CPU (Last minute)	System		Servers	Web Workstations
DiskUsed_/tmp/pandorafms	% used space. Filesystem mounted: /dev/sda5	System		Servers	Web Workstations



Other resources for your interest

Documentation of
Pandora FMS online [↗](#)

Plugin Library [↗](#)

Pandora FMS official
technical support [↗](#)

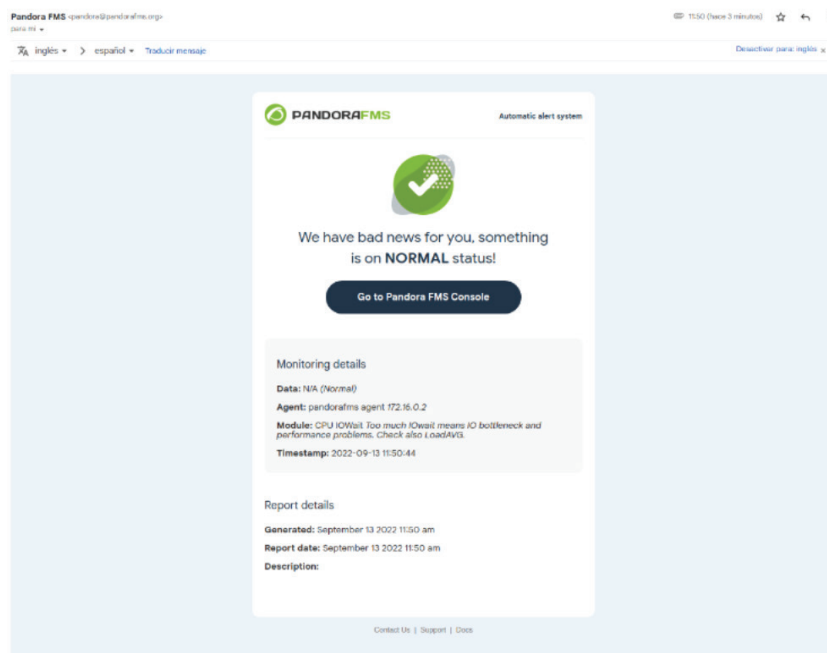
Support for Ubuntu 22.04

Ubuntu 22.04 is officially supported by Pandora FMS.



Sending reports by email as an alert action

A new feature has been added to Pandora FMS alert system whereby it is possible to send reports by email in PDF thanks to its incorporation as new actions/commands within Pandora FMS.



PLUGIN - OPEN

Imap

Plugin through which to filter emails or the number of emails of an account through a series of filters. Useful for detecting whether any alert email was received or to look for a certain email.

[See this plugin in the library >](#)

New features and improvements



PLUGIN - ENTERPRISE

Azure Hubs

Plugin through which to monitor an Even Hubs namespace. It returns several types of metrics, such as SuccessfulRequests, CapturedBytes or ActiveConnections.

[See this plugin in the library >](#)



PLUGIN - ENTERPRISE

Azure Postgresql

Plugin through which to monitor an Azure PostgreSQL data server and receive metrics like cpu_percent, memory_percent, storage_used or active_connections among others.

[See this plugin in the library >](#)



PLUGIN - ENTERPRISE

Cisco Inventory

Inventory plugin for displaying the configuration of a Cisco device.

[See this plugin in the library >](#)



PLUGIN - ENTERPRISE

Xenserver

Updated the python2 plugin to python3. Added all_vm and all_sr macros to rule out virtual machine agent creation and SR agent creation if required.

[See this plugin in the library >](#)



OpenWeather

PLUGIN - ENTERPRISE

Openweathermap

Plugin through which to retrieve weather data from a certain area through the openweathermap API, entering the area's coordinates.

[See this plugin in the library >](#)

Known changes and limitations

- Moved option from Setup -> “Edit OS” to Resources -> “Operating systems”
- Moved the mass operations option on services to the services wizard in Node, just as it is in the Metaconsole.

Fixed vulnerabilities

Thanks to the information provided by OneNet.

Case #	GitLab #	Description
13366	8925	Vulnerabilities with unused docker files.

Changes and improvements

Support #	GitLab #	Description
N/A	8898 9347 9343 9344 9348	Performed multiple network map enhancements.
N/A	8659	Modified the display of the event owner name to show the Name (user_id).
N/A	8217	Added the possibility of sending a report as a Pandora FMS alert command/action
N/A	7827	Added the option to control access to the console through IP and user.
9412	5319	Modified scheduled downtimes to increase interval and date customization.
N/A	9334	Added host management section for remote configuration on Satellite servers.
N/A	9143	Included the possibility of encrypting the license sent by the Satellite server to Pandora FMS server.
N/A	8934	Added <code>_start_data_</code> and <code>_end_date_</code> macros for SQL reports.
N/A	8775	String data have been separated from the rest of data when being sent from the main database to the history database.
N/A	7146	Added the temporal <code>max_size</code> , <code>tempportal_min_size</code> and <code>temporal_max_files</code> parameters to perform an XML buffer file control in Pandora FMS software agent.
N/A	9201	Added a database lock when the Metaconsole merger is running, so that <code>pandora_db</code> cannot be run.
N/A	9159	Added the possibility to enter machine names in the list to perform a Discovery task.
N/A	9154	Included in Pandora FMS console setup the possibility to connect to the database through SSL certificates.
N/A	9046	Moved option from Setup -> “Edit OS” to Resources -> “Operating systems”.

Changes and improvements

Support #	GitLab #	Description
N/A	8885	Ubuntu 22.04 is officially supported by Pandora FMS server.
N/A	8281	Added group recursion option for Dashboards widgets "Groups Status" and "General Group Status".
N/A	7749	Moved the mass operations option on services to the services wizard in Node, just as it is in the Metaconsole.
N/A	8791	Created the history database feature for the Metaconsole.
N/A	8745	Added the possibility to enter how many days a module must stay on uninitialized to be automatically deleted.
N/A	8564	Added the option of editing agents in mass operations within the Metaconsole.
N/A	8459	New report type "system module inventory" added.
13106	7774	Added new option to disable modules in scheduled downtimes.
14081	9395	Added the possibility of applying policies to secondary agent groups.

Bug fixes

Support #	GitLab #	Description
N/A	9456	Corrected sorting in the alerts view in the Metaconsole.
N/A	9420	Fixed wrong status display of the last event when it was grouped.
N/A	9350	Fixed loss of synchronization between node and Metaconsole due to duplicated Metaconsole ID saved in the node.
N/A	9331	Fixed the creation of WMI modules saved by default in Pandora FMS where they were created by ID instead of by name.
N/A	9269	Fixed error message in offline Update manager even if successfully updated.
N/A	9255	Fixed SQL error in notification of max_input_time variable in PHP and mysql 8.
N/A	9229	Fixed interaction in Dashboards widgets when deleting the item the widget was pointing to.
N/A	9167	Fixed data format change when modifying server plugins using mass operations.
N/A	9124	Fixed the non-deletion of scheduled downtimes in the database when they have already been completed and are configured for a single use.
N/A	9119	Corrected module view sorting in the Metaconsole.
N/A	8978	Added the necessary dependencies for the use of certain external tool commands.
N/A	9453	Corrected limit error when creating module groups.
14123	9450	Modified the IP check in the Metaconsole agent Wizard to be able to enter an IP that is not accessible from the node in the agent.

Bug fixes

Support #	GitLab #	Description
14125	9446	Fixed SNMP trap editor view with Php 8.
N/A	9444	Added the sound console option to the enterprise ACLs.
14113	9442	Fixed SQL error in Pandora FMS default summary view for non-admin users.
N/A	9432	Fixed agent safe operation mode malfunction.
14100	9427	Fixed launched-alert view filter when accessed from the tactical view.
N/A	9426	Fixed SQL error in event data for non-admin users.
13950	9421	Fixed pandorawmic failure when using domain users.
14049	9413	Fixed bug 500 for reporting PDF with event items.
14089	9411	Fixed bugs that prevented the correct use of ssh modules on Satellite servers.
N/A	9407	Fixed error 500 in DB Interface view in Pandora FMS OpenSource version.
14062	9384	Fixed event filtering error when applying tag filtering with namespaces.
13999	9381	Fixed the tactical view counting depending on the profile assigned to the user where secondary groups were not taken into account.
14070	9373	Fixed the notification of the Font error in the Metaconsole, whereby it led to the node instead of leading to the Metaconsole options.
N/A	9327	Fixed correlation server for log processing.
N/A	9321	Fixed several visual errors in visual consoles.
13905	9308	Corrected color painting in SLA reports when it is 100% in the Metaconsole.
N/A	9299	Fixed auto-refreshing in certain Metaconsole views.
N/A	9271	Added SNMPv3 options on Windows Satellite Server installations.
13905	9262	Fixed warning time calculation of a report module.
13905	9261	Fixed availability report with show 24/7 Item option.
N/A	9235	Fixed encryption in Discovery VMWare task options.
N/A	9194	Fixed the status count of modules in an agent when they were disabled.
N/A	9189	Corrected item editor within a service in the Metaconsole.
N/A	9185	Fixed visual mismatch error in the alerts modal window in the tree view.
N/A	9183	Fixed filtering loss between pages within the agent's alert menu.
N/A	9182	Fixed filtering loss between pages within the policy alert menu.

Bug fixes

Support #	GitLab #	Description
13822	9169	Fixed the error when editing an agent when it is in a group with the maximum number of agents within the group.
13753	9149	Fixed mail configuration in Pandora FMS console when the password had special characters.
13745	9130	Corrected the data processing of an agent that was disabled when the data came from Discovery tasks or plugins, it no longer processes the data no matter where the data came from.
N/A	9122	Fixed bad counting of the API call total_modules.
N/A	9118	Corrected the appearance of entities in the response to Pandora FMS CLI --disable-group call.
13723	9114	Fixed the alert command creation for users with Pandora Administrator profile.
13702	9107	Fixed several issues when saving, loading and applying different filters in the event view.
N/A	9092	Fixed URL errors in several aids within Pandora FMS console.
N/A	9091	Fixed visual error in Pandora FMS console Setup view.
N/A	9008	Corrected error message translation when creating a custom chart without assigned group.
N/A	8862	Fixed visual error of certain slider buttons in the agent configuration view.
N/A	8834	Fixed menu visual error within the different cluster views
13377	8798	Fixed service monitoring when including a stress mark
N/A	8715	Fixed unnecessary folder generation in the software agent repository when there is an error when uploading the file
13244	8696	Fixed agent plugin reference when they have been created through policies
N/A	8506	Fixed Host Alive module with inverted threshold management
N/A	8359	Modified webserver management when memory is missing so that modules go into unknown instead of skipping false criticals.
14237	9550	Fixed lack of button in the VMWare view.

Documentation update

Case #	GitLab #	Description
N/A	9542	Added new documentation for the Satellite server.
N/A	9486	Fixed Pandora FMS server configuration documentation for the "group" parameter.
N/A	9543	Added documentation for new report-sending commands in the alert system.
N/A	9524	Added XML buffer new token documentation in software agents.



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

[Update](#)

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Case #	GitLab #	Description
N/A	9504	Added information about the plugins generated by default in Pandora FMS not being able to be erased.
N/A	9502	Added information on new non-initialized module erasure system.
14179	9497	Added example documentation in certain API calls to avoid the lack of obligatory options.
N/A	9489	Added documentation about the new option of scheduled downtimes.
N/A	9461	Updated "Edit OS" information to "Operating systems".
N/A	9452	Added information about the new type of system module inventory report.
N/A	9441	Updated the installation script for remote database installations.
14094	9419	Corrected VMWare plugin documentation for a missing parameter.
N/A	9418	Modified module_quiet documentation.
N/A	9382	Added documentation about the automatic erasure of modules in unknown state.
N/A	9368	Included the documentation of the history database for the Metaconsole.
N/A	9366	Updated documentation to make clear that Discovery tasks are all Enterprise.
N/A	9352	Updated all dependencies necessary for RHEL - Rocky Linux (7-8).
N/A	9319	Updated service mass operation documentation.
N/A	9248	Modified the documentation of the get module_data API call.
N/A	9127	Added documentation on the status of events affected by scheduled downtimes.

Legal Information

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