



#### **RELEASE**

**755**June 2021

These release notes describe new features, improvements and fixed issues in Pandora FMS NG 751. 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

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- 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

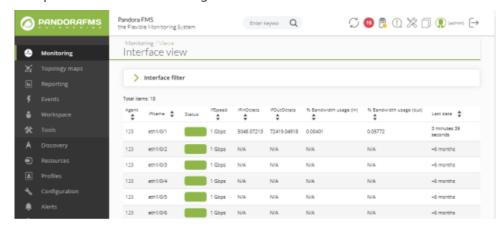
### **New agent installer for MacOS**

This version includes our very first graphic installer for MacOS agents.



### **New interface view**

A new specific view has been added to be able to see the network interfaces that are being monitored. On the one hand, there is the general view where you can filter among the different agents that carry out said monitoring and on the other hand a special view within each agent.









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# 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.

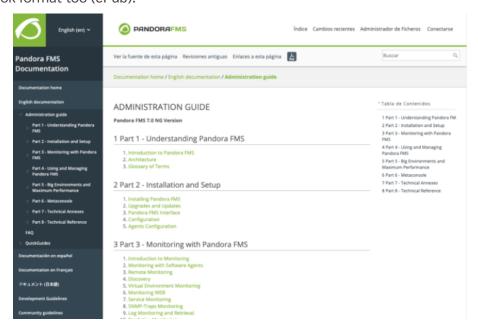
The server will have to be manually updated through RPM or tarball packages.

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

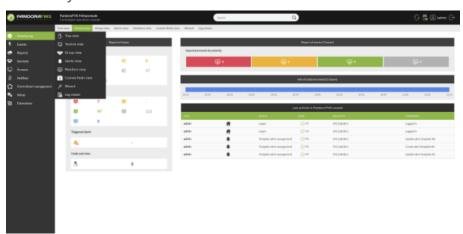
We have migrated our online documentation system to a new site: https://pandorafms.com/manual which allows better searches, better navigation and better mobile usability. It also allows exporting to PDF on demand, and very soon in eBook format too (ePub).



#### New Metaconsole interface

New online documentation

The visual interface of the Metaconsole has been modified to improve its navigability and display, adding the left side menu similar to that of the node. We have also unified some styles that will make working with the Metaconsole more familiar to how you work with the node.



### **New Update Manager (WARP update)**

WARP is the new version of the old Pandora FMS update system (Update manager). The new version allows you to apply server and console updates without having to execute any command in the console. In the Metaconsole, updates are applied in a distributed manner from the Metaconsole to the nodes, with a simple click. From now on, updates incorporate a digital signature so that the source of said update can be manually validated (both online and offline).

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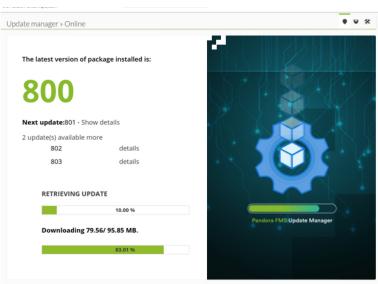
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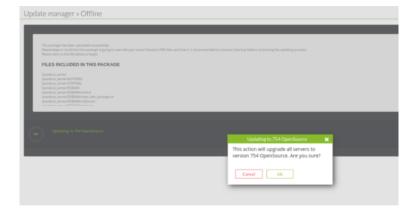




# Other resources for your interest

- Documentation of <a>C</a>
  Pandora FMS online
  - Plugin Library 🕜
- Pandora FMS official <a>C</a><a>Technical support</a><a>C</a>



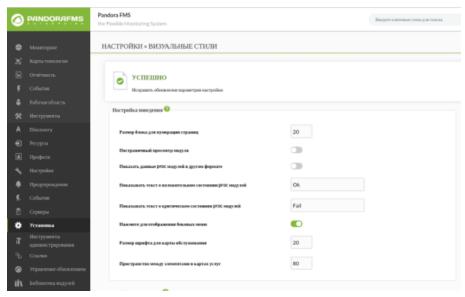


### New agent inventory report

We have created a new type of report that is used to list the installed agents. Among other metrics, you can see the IP, main group, secondary groups, description and other data. These reports can also be exported to CSV and XML.

### Complete translation of the console into Russian

We have translated and revised 100% of the console into Russian. We are also working on the Russian translation of the online documentation.



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## Special updates notes

Due to the new update system of version 755, WARP Update, it is necessary to perform a couple of extra steps in the console after updating the server. As of version 755, the server will be automatically updated from the console using the pandora\_ha component that already existed in the Enterprise version and that is now open for the Community. This component allows you to control server performance (stopping and starting it, controlling the status of HA and updates, if any).

Before updating the server it will be necessary to stop thet:

service pandora\_ha stop /etc/inid.d/pandora\_server top

And start it again after updating it:

service pandora\_ha start

Or through the init.d script that has been modified to start pandora\_ha /etc/init.d/pandora\_server start

It is also recommended to update the console memory limit so that you can install server updates:

Edit the /etc/php.ini file and add the following line to the end of the file or replace the value of the memory limit parameter you have in your file with the following:

memory\_limit = 800M

# **Known changes and limitations**

The web monitoring server, also called Goliat, becomes part of Pandora FMS OpenSource version.

### Fixed vulnerabilities

Thanks to the information provided by Kamilló Matek. 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
N/A	7141	In those functions related to the HTML PrintFrom item.
N/A	7139	On the login screen.

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# Fixed vulnerabilities



Case#	GitLab #	Description
N/A	7602	In the names of visual consoles.
N/A	7604	In file manager file creation.

# **Changes and improvements**

Case#	GitLab #	Description
N/A	7138	Added a message when trying to apply a policy on an agent that already has a policy applied on the same module to notify the changes.
N/A	7121	Modified functions when creating a new service to improve performance problems in environments with many created services.
N/A	7482	Added credential fields in users once the integration with Integria IMS is carried out.
N/A	6704	Changed interface changes in the enterprise ACL configuration.
10875	6541	Deleted the appearance of the user ID in the URL when editing any user both in node and in Metaconsole.
4031	5791	Added encryption in password type custom fields.
N/A	5278	Controlled the application of policies on agents that are within a scheduled downtime so that the quiet type of the downtime is not skipped.
N/A	5264	Modified email sending by mail with a report template so that all are sent in a single email.
N/A	6858	The web server becomes part of Pandora FMS OpenSource version.
N/A	6085	Added interface view in Pandora FMS console.
11462	7099	Added ability to create groups with password in create_group API call.
N/A	5401	Modified redirection in visual console elements to search by ID instead of module name.
N/A	7308	Added options to see the server, agent and satellite version in the shell where they are installed.
N/A	7216	Modified the filtering of the tree view to be able to apply several filters simultaneously.
N/A	7104	Visual enhancements for rules within alert correlation.
N/A	7027	Added log rotation for the trap log, as well as being able to choose the path of its logs.
N/A	7000	Modified the group import view using CSV.
10108/8529	4839	Added improvements in the Jolokia Enterprise JMX plugin.
N/A	7107	Added improvements for the Active Directory plugin.
N/A	6873	Added "max. macro data fields" in the Metaconsole configuration.

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### **Changes and** improvements

Case#	GitLab #	Description
N/A	6618	Added possibility to create services with a random name to avoid problems.
9884	5680	Simplified the update_agent call via API.
9137	4991	Added the API calls of: -planned_downtimes_edit -planned_downtimes_add_agents -planned_downtimes_delete_agents
N/A	6917	Menus and Metaconsole header visual enhancements.
11564	7198	Added verification code for the SSL_plugin.
11184	6911	Updated Active Directory plugin for the Spanish version of Windows.
N/A	7122	Added new Update Manager Online system.
N/A	5785	Added new type of reports to see an inventory of the installed agents.
N/A	4058	Added LDAP monitoring plugin.
N/A	7519	General changes made in Pandora FMS console sources.
N/A	7631/7525	Pandora FMS console translated into Russian.
N/A	7596	Modified web modules to hide authentication fields in the module display.

# **Bug fixes**

Case#	GitLab #	Description
N/A	7590	Fixed error when trying to add web modules to services.
N/A	7586	Fixed visual error of critical and warning value exchange in the list of services.
N/A	7584	Fixed new user window in Black Theme with dashboard as home page.
N/A	7570	Modified the number of requests in a visual console to be able to connect with the server.
11891	7560	Fixed the Exception item with the NOT OK option for which the exception was not made.
N/A	7558	Fixed errors of event items in reports when looking for them within Metaconsole events.
11891	7557	Fixed agent filtering by group in Metaconsole report templates.
N/A	7549	Fixed first loading of visual consoles in public link.
11866	7544	Increased the number of possible characters for data of the incremental type.
11793	7536/7307	Fixed the error that did not allow creating new IPAM tasks.

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Case#	GitLab #	Description
N/A	7527	Fixed pandora_revent.pl plugin.
N/A	7522	Fixed duplicating module with remote_cmd type data which did not copy the IP correctly.
N/A	7521	Modified the deactivation of the Dynamic Threshold Max token when it should not.
11735	7517	Fixed visual error when displaying Agent interface graphics in Black Theme.
N/A	7516	Removed Informational Warnings from VMWare plugin.
11830	7515	Fixed the error of not saving the service interval in Metaconsole.
11735	7502	Fixed several visual bugs with Black Theme in alert list view.
N/A	7492	Fixed visual error of the agents/alerts view when there are no alerts created.
N/A	7479	Fixed uploading attachments in integration with Integria IMS.
N/A	7478	Fixed ticket editing in integration with Integria IMS.
N/A	7477	Replaced "Description" field by "Incident Body" in the integration with Integria IMS.
N/A	7476	Fixed visual error in Black Theme when searching for users in integration with Integria IMS.
N/A	7475	Added tooltip in the configuration of the integration with Integria IMS to correctly add the full path of the API.
N/A	7474	Fixed visual error in Update Manager Online
N/A	7470	Fixed bug in Metaconsole policies where modules external to the policy were not loaded in order to add external alerts to them.
N/A	7467	Fixed SNMP Wizard bug for modules that use braa.
N/A	7465	Fixed group selection within transactional maps.
N/A	7460	Fixed visual error when creating new users.
N/A	7459	Fixed visual error in event responses in the additional information of an event.
N/A	7455	Fixed check token inside exec server configuration.
N/A	7453	Fixed alert filtering in agent view.
N/A	7300	Corrected the mail test so that it uses the data provided instead of the one previously saved.
N/A	7296	Fixed visual errors in Metaconsole event management.
N/A	7294	Fixed visual error in the Metaconsole log view.
N/A	7285	Fixed visual message bug in tree view filtering when no data is found.
N/A	7284	Modified warning token in the creation of an agent so that it only pops out if the token is chosen in the normal way.
N/A	7259	Modified ticket table of integration with Integria IMS for better display.

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Case#	GitLab #	Description
N/A	7439	Fixed public link of Metaconsole dashboards.
N/A	7408	Fixed deleting modules using Wizard in Metaconsole to be able to delete more than one module at the same time.
N/A	7405	Fixed the creation of modules by means of a template using a Wizard in agent creation in Metaconsole.
11704	7394	Fixed WUX check queuing when there were many running simultaneously.
N/A	7361	Modified Agents/alerts view in full screen for better display.
N/A	7353	Fixed multiple deletion of local components.
N/A	7344	Fixed visual error of Dashboards selector inside one in Metaconsole.
N/A	7340	Removed console logs when having a visual console open.
N/A	7337	Fixed display of tree view by OS where the uninitialized ones did not appear.
N/A	7321	Fixed visual error in the configuration of alert correlation rules when leaving an empty field.
N/A	7312	Modified the Update Manager Online so as not to fail with a timezone in UTC.
11602	7302	Modified macro_moduledata_X_ by which the module with exactly the same name that appears in the database must be entered.
N/A	7258	Fixed visual error of infinite spinner in SLA type reports when adding a new agent.
N/A	7240	Fixed ACL error when displaying graphs in the tree view in Metaconsole where there was no access despite having permissions.
N/A	7237	Removed scroll bar in Metaconsole report templates when not needed.
N/A	7235	Fixed indentation of several buttons in Metaconsole.
N/A	7234	Modified the help in the Metaconsole provisioning window by tips.
N/A	7227	Fixed LM profile so that you can modify actions and alert templates.
N/A	7211	Modified visual errors in the agent view with the appearance of certain SQL errors.
N/A	7184	Fixed the possibility of duplicating web-type modules.
N/A	7183	Limited lateral expansion of data and web type modules.
11250	7182	Fixed general search of Pandora FMS console.
N/A	7178	Fixed alert triggered icon in tree view in Black Theme.
N/A	7176	Fixed data display in the interval column in the creation of modules in Black Theme.
11484	7156	Fixed not deleting conf/md5 files when deleting an agent that sends its data directly to the Metaconsole for the first time to perform auto-configuration and provisioning.
N/A	7140	Modified filtering in the agents/alerts view when the public IP is forced.
N/A	7133	Fixed several help text in Discovery tasks.

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Case#	GitLab #	Description
N/A	7117	Fixed network component creation through SNMP Browser, whereby the port from which the call was made was not saved.
11507	7114	Fixed calling add_user_profile through API to be able to assign the ALL group to the profile.
N/A	7113	Deleted error message when executing the command pandora_server in the server shell.
11488	7109	Fixed the option to duplicate SNMP alerts.
11465	7108	Fixed get_all_agents call using filtering by aliases.
N/A	7097	Modified visual errors in the view of User Messages.
N/A	7096	Unification of the naming of scheduled downtimes.
N/A	7087	Fixed visual error in mail tests when you set an invalid email.
N/A	6978	Fixed inverse thresholds by which conversion was not performed correctly.
N/A	6143	Fixed the possibility of uninstalling a software agent that was previously installed in a custom path.
N/A	5895	Added the ability to recon WMI on satellite servers in Windows.
9399	5321	Modified the fields to use the software agents in proxy mode with the SSL option configured.
N/A	2926	Modified reboot of Pandora FMS server so that it always closes all active threads.
N/A	7002	Unification of menu names with their corresponding headers.
N/A	7345	Visual bugs corrected in the diagnostic view of Pandora FMS console.
N/A	7481	Fixed event detail views with Black Theme.
N/A	7606	Fixed error 500 when deleting an item within a service and then going to the tree view or service items.
N/A	7510	Modified interactions of the different servers to the database to avoid errors of massive connections.
N/A	7468	Fixed Bandwith, InUsage and OutUsage module creation that did not save data properly.
N/A	7432	Fixed counting for the status of a service when it has unknown elements.
N/A	7409	Fixed module creation using Wizard in Metaconsole.
N/A	7310	Modified visual errors in the transactional map view.
11490	7111	Fixed the introduction of additional actions in SNMP alerts.
11014	6812	Fixed HyperV plugin encoding issues.
N/A	7598	Fixed display in AWS S3 tasks where only the first cube was listed.
N/A	7617	Fixed the _address_ macro for use in network modules both manually and in policies.
N/A	7650	Fixed visual bug whereby the different tabs did not appear in the custom graphs.

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Case#	GitLab #	Description
N/A	7342	Fixed general user search by which it incorrectly filtered by profiles instead of by name.
N/A	7652/7472	Modified Discovery icons for better display in Black Theme.
N/A	7609	Fixed trap alerting problems for which subsequent events without agent name were generated.
11704	7394/7700	Fixed WUX check queuing and improved their monitoring performance.

# **Documentation update**

Case#	GitLab #	Description
N/A	7540/7099/7597	Updated several API calls.
N/A	7530	Added documentation on wmi_ntlmv2 on the Satellite server.
N/A	7523	Added documentation on "Keep Counters" in status monitoring.
N/A	7435	Updated information on transactional maps.
N/A	7433	Added information about the module_wait_timeout token for Windows modules.
N/A	6701	Added Relations Rules documentation within the Metaconsole configuration.
N/A	7571	Updated documentation of pandora_revent.pl.
N/A	7529	Added reference documentation to snmp_logfile file.
N/A	7525	Added documentation in Russian.
N/A	7649	Updated the minimum requirements for a correct use of Pandora FMS.
N/A	7677	Updated memory_limit value required for Pandora FMS php.ini
N/A	7671	Updated links to the new documentation page within Pandora FMS console.

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

Update 🛂

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