



RELEASE

758

November 2021

These release notes describe new features, improvements and fixed issues in Pandora FMS NG 758 LTS. 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](#).

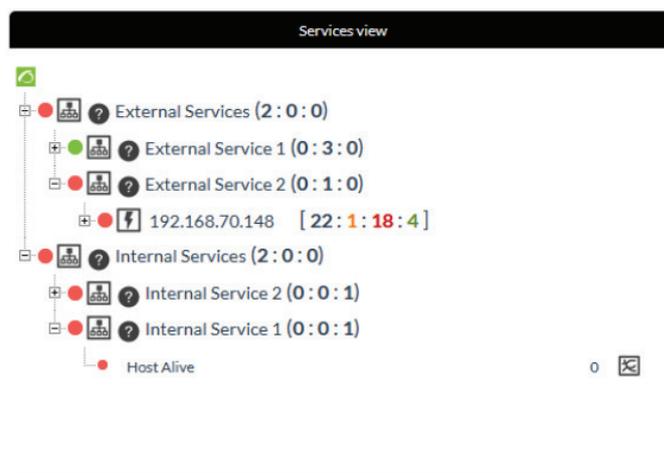
VERSION UPDATE

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New features and improvements

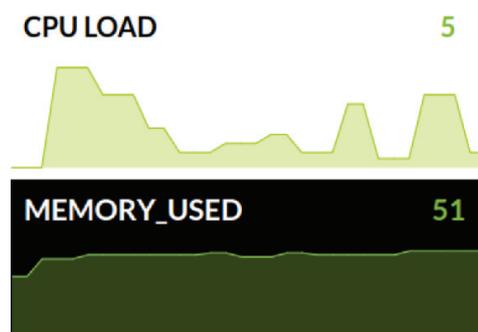
New service list widget

A new widget has been added where you may choose to see the services view and choose what type of view you want to see.



New visual console element: Simple graphs

The visual console supports a new type of element that displays the graph in a simplified format, providing a label with the value of the last data collected in a very visual way, creating a new world of possibilities for creating dashboards.





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](#)

Network Configuration Manager

We introduced for the first time in Pandora FMS a new network configuration management system, which allows you to distribute configuration changes in a customized way to network computers differentiating by model and provider. You may back up configurations and recover them or see the differences compared to the previous backup.

In **future versions**, you will be able to deploy mass changes to network computers, apply firmwares and more features.

Resources / Manage agents / Network config manager

R1

NCM state

Device manufacturer [?]

Device model [?]

Connection method

Port

Credentials to access device

Credentials to administrate device

NCM template to be used

Current firmware version: Cisco IOS Software, 7200 Software (X7200-ADVENTERPRISEK9-M), Version 12.4(24)T15, RELEASE SOFTWARE [fc]

✓ Configuration backup present, 27 minutes 07 seconds [?]

Latest configuration register was retrieved 6 minutes 12 seconds ago

Get running config > Backup latest > Restore backup [?]

Configuration changes

Line	Old	New
1	Building configuration...	Building configuration...
2	-	+
3	- Current configuration : 1389 bytes	+ Current configuration : 1342 bytes
4	↑	↑
5	upgrade fpd auto	upgrade fpd auto
6	version 12.4	version 12.4
39	↑	↑
60	↑	↑
61	↑	↑
62	- up ipc symwait-11m 5	+ up ipc symwait-11m 10

New Alert server

The new Pandora FMS alert server allows parallelization of the alert execution load in another component, so that monitoring processing is not affected in alert storm situations. This new server is optional and by default it is not activated.



Other resources for your interest

Documentation of Pandora FMS online

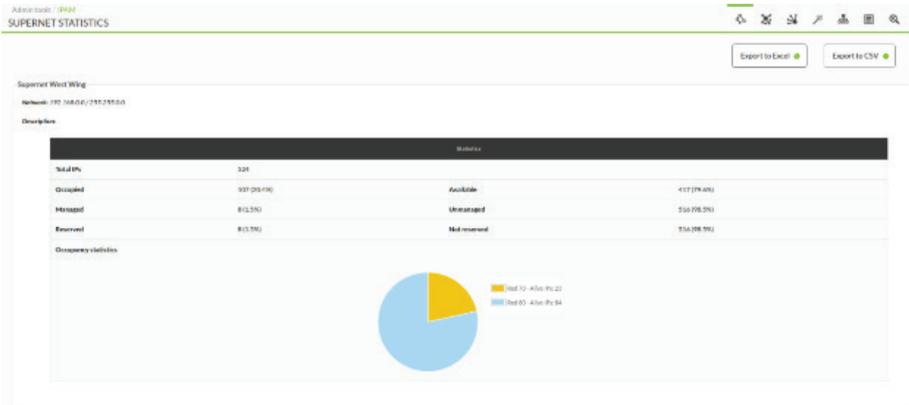
Plugin Library

Pandora FMS official technical support

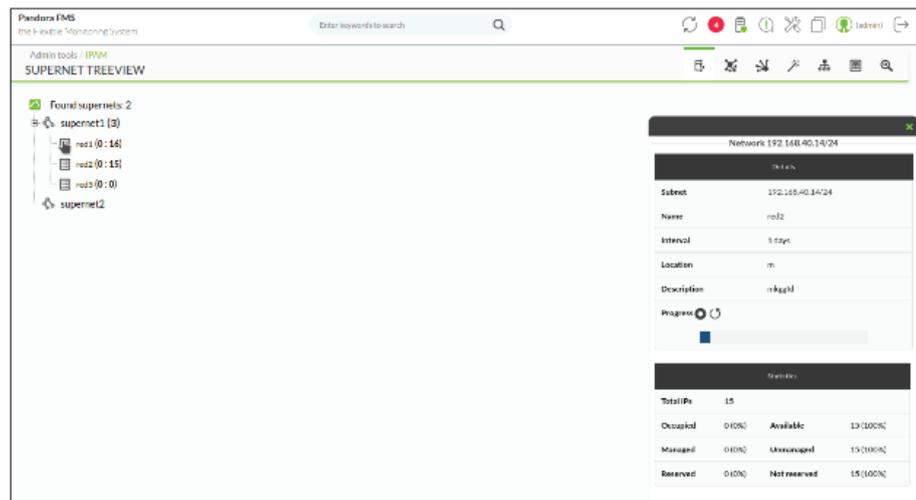
Improvements in IPAM

Our improved IPAM includes network export/import, new options for working with subnets (sorting, adding networks to supernets from the first range available, etc), as well as new tree views in supernet maps, usage statistics graphs. New IPAM reports have also been added to see the list of used/unused IPs as well as those assigned to an agent.

Network usage statistical graphs

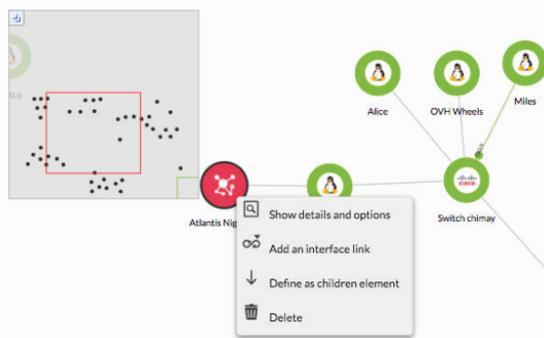


Supernet display in tree format



OpenSource network maps

At the request of our user community, we have opened the feature of the network map editor to the OpenSource version. It can now be used with no limitations in the community version.



New features and improvements

IPv6 support for Satellite server

Since this version, both the Satellite server and the Enterprise Network Server support IPv6 in all its advanced features. High-performance code previously only supported on IPv4 now applies to IPv6 as well, enhancing existing polls.

New Enterprise plugin: Apache Spark

The Apache Spark plugin creates an agent for each app that has finished or is running on the server with the data of all its executors. You can find more information [in our library](#).



Known changes and limitations

Modified the elimination of a Metaconsole node. Once the deletion warning message has been accepted, a normal node license will have to be entered in the node and all the replication options between node and Metaconsole will be deactivated, where it will be necessary to re-centralize again if the node is to be re-associated to the Metaconsole.

When a module is unlinked in a policy, which has a policy alert included, this alert will also be unlinked from the policy to be able to make the modifications you want.

Changes and Improvements

Case #	GitLab #	Description
N/A	8011	Modified event replication from Node to Metaconsole. It will only be necessary to configure it from the console instead of also in the server configuration file.
N/A	7449	Added the same auto refresh configuration possibilities of the different Pandora FMS views in the Metaconsole.
N/A	7651	Added group recursion when adding agents within a node in network maps.
N/A	5198	Added filtering in the general list of networks in the IPAM view.
N/A	5197	Added the ability to export and import networks through CSV.

Changes and Improvements

Case #	GitLab #	Description
N/A	5189	Added option to sort supernets by rank instead of just creation.
N/A	7514	The network map feature becomes fully OpenSource.
10650	6296	Added service list widget to dashboards.
N/A	5194	Added the possibility of adding a network to a supernet by IP and mask available ranges. Additionally, if a network is added to IPAM and it belongs to the range of a created supernet, it is added to it automatically.
N/A	4969	Added secondary group recursion in event alerts.
N/A	7815	Changed the method for deleting a node in the Metaconsole, where once it is deleted, everything associated between the node and the Metaconsole, will be deleted, including the license and its data display in the Metaconsole.
N/A	7068	When unlinking a module with an associated alert in a policy, this alert will also be unlinked.
N/A	8032	Added verification in email sending alerts, where the emails must be valid to try said delivery.
N/A	5193	Added tree view on IPAM supernet maps.
N/A	5192	Added pie chart for the details of an IPAM supernet.
N/A	5171	Added Discovery error logs when having the server configured with "verbosity 10".
N/A	7869	Added auto-recovery feature for HA environments.
9848	5693	Added the ability to update custom agent fields to the CLI/API.
N/A	7060	New configuration system for network computers.
N/A	3407	New type of IPAM report to display all the information associated with an IPAM task according to customizable filtering.
N/A	7582	Added filtering option by hours in the event view.
N/A	7168	Integrated warning status option in availability reports.
12357	7595	Modified the alert server to parallelize and optimize alert triggering and recovery.
N/A	7927	Added online patching systems using Update Manager to correct errors between versions.
N/A	7273	Added new simple graph element within visual consoles.
N/A	7972	Added history of alerts launched in Pandora FMS to be able to see its associated alerts in an event.
N/A	7722	Modified the way of dealing with the name change of a service, whereby when it is changed, the name of the associated modules are changed instead of creating new modules, thus mass filling the database unnecessarily.
N/A	8012	Modified the Centralized Management menu so that by default it does not lead to the Command Center but to agent management.
N/A	8079	Added RHEL8 support to the cloud agent installer.
N/A	7979	Updated kubernetes plugin to update the used API as well as non-used element auto-disabling.
N/A	4060	Added Spark monitoring plugin.

Changes and Improvements

Case #	GitLab #	Description
N/A	2444	Added the possibility of managing links in Metaconsole just as it existed in Node.
N/A	1400	Added the possibility of SNMP monitoring with IPv6 version in the Satellite server.

Bug fixes

Case #	GitLab #	Description
12445	8022	Fixed the bug whereby the IDs of the policies were not changed in the configuration of the software agents, but rather were added as new.
N/A	8021	Fixed policy agent filtering when having selected a group.
N/A	8018	Fixed visual errors in several selection fields within the Metaconsole.
N/A	8014	Fixed the appearance of entities in tags within the event view.
N/A	8013	Modified the way to alter visual console items in Metaconsole when the associated module was deleted in the node.
N/A	8004	Fixed policy representation in Metaconsole where, even when correctly applied, they did not appear in green.
N/A	8003	Fixed label display in their tree view.
N/A	8000	Fixed the problem with entities in LDAP authentication whereby Pandora FMS did not convert it and returned an error in the login.
12421	7993	Fixed Metaconsole API call <code>create_alert_template</code> .
N/A	7992	Fixed logging into a Pandora FMS console for the first time after installing an ISO.
N/A	7987	Fixed visual error in services when deleting a service.
N/A	7980	Fixed plugin inclusion inside the Metaconsole Command Center Merger.
N/A	7976	Fixed the counting Metaconsole agents created through services so that they do not count within the license.
N/A	7969	Fixed visual errors of inclusion of HTML tags in the list of modules in visual console wizards.
N/A	7961	Fixed visual error of the advanced graphs inside the log view.
N/A	7952	Fixed XML handling performance where only the agent's name in XML will be taken into account and not the IP it has.
N/A	7949	Fixed alert correlation editing where if only one of its operators was changed, the final result was not saved.
N/A	7943	Changed error handling in Discovery Oracle tasks so that when one fails, it does not fire in bulk but in the next test.
12356	7942	Fixed module ping processing in Windows agents so that it does not return OK when the network is "unreachable".
N/A	7924	Fixed the <code>group_id_by_name</code> API call when the encoder separation option is chosen.

Bug fixes

Case #	GitLab #	Description
N/A	7893	Modified error handling in agent deployment from the console so that possible errors appear in the console.
N/A	7867/7865	Fixed the interface view where only the first letter of the interface was taken into account to retrieve information, incorrectly retrieving data from others that shared that letter.
N/A	7785	Fixed white backgrounds still visible in Black theme.
N/A	7766	Added tags correctly in WMI modules when extra fields are set in WMI queries.
12083	7726	Fixed LDAP attribute saving in its advanced permission options.
N/A	7721	Fixed triple creation of enterprise ACL conditions in the console.
N/A	7711	Fixed failure when deleting a static image item in a visual console when it had a network link associated.
N/A	7697	Fixed visual errors when editing dashboard widgets in Metaconsole.
12036	7695	Fixed visual failure of entities appearing in the event view when they are customized in the server configuration.
11970	7675	Fixed disk filling due to parallel execution of dynamic_snmp plugin.
N/A	7591	Fixed visual error in the SNMP browser when there is a connection timeout.
11796	7473	Fixed percentile calculation in custom graph display.
N/A	7371	Fixed text editor performance on Elasticsearch interfaces.
N/A	7362	Fixed visual errors in the collection view in agents.
N/A	7339	Deleted warning in the module templates view.
N/A	7330	Fixed display of agent name in vertical SQL charts in PDF/HTML reports.
N/A	8062	Fixed combined graphs in Metaconsole visual consoles where data are not displayed correctly.
N/A	8055	Fixed disk storage scheduled tasks when upgrading version.
N/A	8050	Fixed checking the API when starting the server, which could cause it to fail and cause constant reboots.
12446	8035	Fixed custom event filter inclusion so that they do not leave the user without permissions, and that the loaded one is correct regardless of the group the filter belongs to.
12449	8028	Fixed AR permission restriction by which the user could do more actions than allowed.
N/A	8027/8030	Fixed the Metaconsole merging performance to avoid modifying the default Pandora FMS IDs.
N/A	8024	Fixed source IP filtering in netflow view.
N/A	8016	Fixed the link to the module library from Pandora FMS console.
N/A	8006	Policy handling changed when an agent moves from one node to another through the Metaconsole.
N/A	7990	Fixed service display if the Metaconsole environment is configured with a reverse proxy.

Bug fixes

Case #	GitLab #	Description
N/A	7982	Fixed field and template editing within event correlation.
N/A	7963	Fixed data sampling bugs in real-time Netflow view.
N/A	7950	Fixed source duplication errors in the logs view.
N/A	7937	Modified error messages in Metaconsole when you have nodes in a non-centralized way.
12220	7910	Fixed pandora_db errors when having password encryption in the database.
11965	7790	Fixed temporary file creation without control in jmx plugin execution.
N/A	7743	Fixed groups due to module faults created by network discovery tasks to Network group.
N/A	7669	Fixed SNMP checks using pandorafsnmp when the password has ";".
N/A	7621	Fixed user authentication with only API permissions even when having external authentication.
N/A	7309	Fixed button to mass expand items in SNMP Browser view.
N/A	8140	Fixed Cluster view in the display of clusters created in old versions.
12586	8090	Fixed template creation error in visual consoles.
N/A	7982	Fixed condition assignment in alert correlation if you choose the option to load by alert template.
N/A	7951	Modified user auto-creation in nodes in centralized environments with Metaconsole so that they can only be auto-created when logging into the Metaconsole, but not in nodes to avoid synchronization problems.
11965	7790	Solved temporary file mass creation in each execution of the JMX plugin.
N/A	8132	Fixed IPAM supernet tree view if no supernet exists.
12552	8113	Fixed update by Update manager Online when having a history database configured.
N/A	8104	Fixed file deletion when updating from one version to another using the Update Manager online/offline.
N/A	8095	Modified synchronization with the command center by which it deleted the inventory modules with the same name even if they were from different operating systems.
N/A	8094	Fixed visual bug in Dark mode in policy modules view.
N/A	8093	Removed the Data::Dumper dependency in the inventory plugin which was no longer necessary.
12492	8087	Fixed BADXML creation in windows agents when the debug option is enabled.
N/A	8086	Fixed visual bugs of icons in the Metaconsole tree view.
N/A	8084	Modified disabling icons in dark mode to be able to differentiate a disabled element from one that is not.
N/A	8082	Modified the logging path in the Metaconsole by which they led to the node path instead of the Metaconsole.
N/A	8078	Fixed general selector tokens within the SNMP Wizard so that it only creates the elements if the token is selected.

Bug fixes

Case #	GitLab #	Description
N/A	8071	Fixed collection synchronization in policies using the command center.
N/A	8067	Fixed agent migration between nodes using the Metaconsole when agents are in a policy and they have the same ID assigned in their node before being migrated from one node to the other.
N/A	8060	Fixed the modals of adding agents to a node in network maps.
12473	8056	Deleted function in the SNMP Browser that was not used and gave an error in versions with PHP 7.4 or higher.
12471	8054	Modified agent counting in Discovery tasks that took into account disabled items when it should not.
N/A	8051	Fixed prediction graph report in the Metaconsole.
N/A	8050	Modified API check at server startup so as not to create latency in it by having it wrongly configured.
N/A	8002	Fixed visual error in reports list in the OpenSource version.
N/A	7968	Modified filter selector size in the alert view for its correct display.
N/A	7964	Fixed entity appearance and name truncation in the module tree view.
N/A	7938	Fixed visual error in the Odometer item of visual consoles.
N/A	7922	Modified filter selector size in module creation for its correct display.
N/A	7822	Fixed agent/module view framing in incomplete window.
N/A	7781	Changed certain white icons in dark mode in the event filters view.
N/A	7780	Fixed visual bug in dark mode on transactional maps.
N/A	7764	Entity correction in inventory alerts in combo selectors.
N/A	7760	Fixed visual error in the alert correlation section when adding a new alert and selecting a custom threshold.
N/A	7748	Fixed visual error in SNMP Interface Wizard.
N/A	7694	Increased the image in the SAP view by not having any task created.
N/A	7565	Modified selector in the file editing view in collections.

Documentation update

Case #	GitLab #	Description
N/A	8058	Added documentation of the operation of Split Brain Autorecovery of the new server feature to automatically recover pandora_ha environments.
N/A	7946	Added export and import documentation for supernet, VLAN and IPAM operation view.
N/A	7627	Added in the documentation of web modules the impossibility of the character ' in passwords.
N/A	8127	Added documentation of the new network computer configuration system.
N/A	7977	Improvements in the visual style and adjustment in the search engine, menus and multi-language of Pandora FMS online documentation system.
N/A	8097	Added documentation on how to disable and decrypt passwords in the DB.
N/A	8076	Added documentation of the warning status integration in the availability report.
11966	7627	Updated the inability to use single quotes in authentication passwords in web modules.



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

Update 

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