



RELEASE

759

December 2021

These release notes describe new features, improvements and fixed issues in Pandora FMS NG 759. 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

State change thresholds based on percentage

It is an improvement that many users had requested. It allows a module changing status to be specified based on a percentage change in the value of the last data received. That way, it is more intuitive to define the situations in which you consider that a module goes into WARNING or CRITICAL status

Critical threshold

Min.	<input type="text" value="0.00"/>
Max.	<input type="text" value="0.00"/>
Inverse interval	<input type="checkbox"/>
Percentage	<input type="checkbox"/>

New trend modules

These new modules compare the current average with the average of the previous period and returns the difference in absolute value or as a percentage. They are useful to express in a simple way that, for example, the use of your network is currently 25% higher than last week, or that the temperature is 2°C above normal if you compare it to the previous month.

Source module

Trending module

Agent

Module

Periodicity

Percentual value





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:

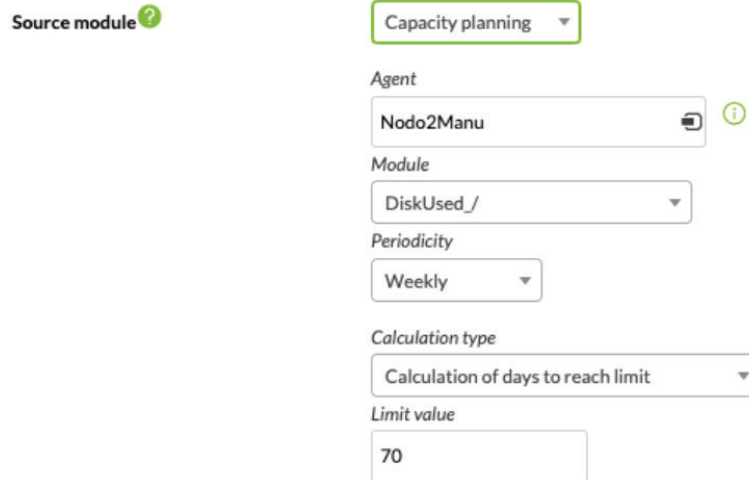
OpenSource version

Enterprise version

For detailed information and the steps to follow to update each item, classified by operating systems, [go to our Wiki](#)

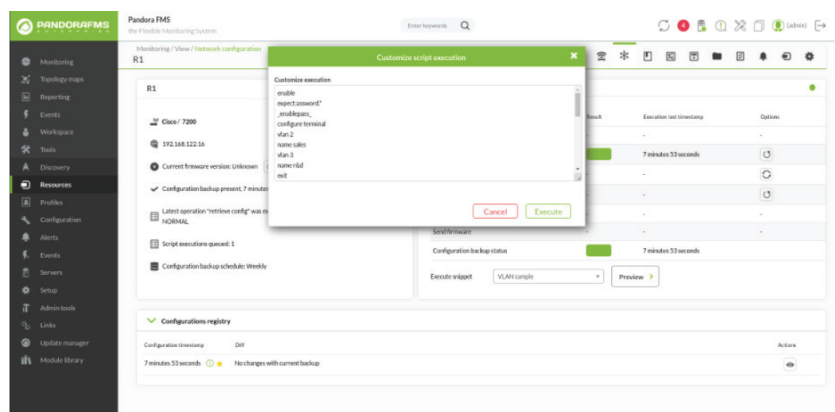
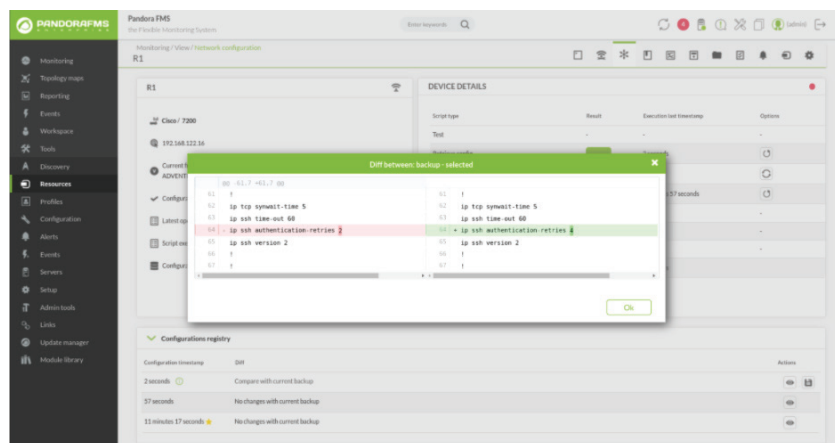
Capacity planning modules

It makes a prediction based on the time window specified by the user, assuming a more or less linear performance of the target module. This type of predictive modules allows you to find out how many days you have left until the disk is completely full, or the number of requests to the database that you will have within a month, if you continue as before. These modules replace the old prediction modules.



Network Configuration Manager

We have improved the NCM features, now in addition to being able to execute commands manually on different devices, firmwares can be uploaded, configuration changes can be verified and backups can be scheduled.





Other resources for your interest

[Documentation of Pandora FMS online](#)

[Plugin Library](#)

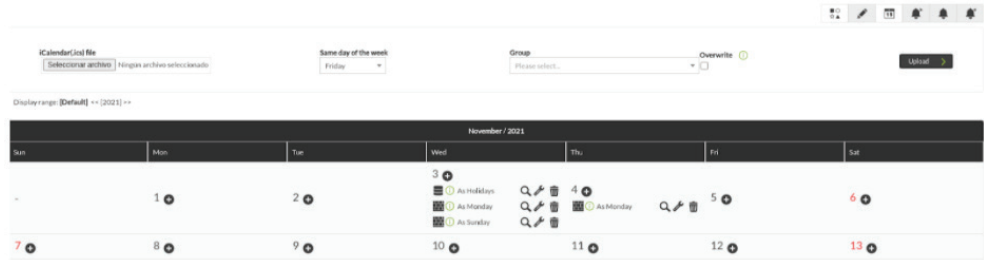
[Pandora FMS official technical support](#)

More IPAM improvements

Following in the wake of the previous release, we add some additional features to our IPAM such as defining SITES, isolated islands that allow duplicate addresses. We also added the possibility of defining a location of a previous list, ordering the lists, editing from the supernet browser and more improvements have also been incorporated.

Editor of special days in Metaconsole

The special days editor has been added and the way to assign special days to alert definition has been improved, making it more intuitive.

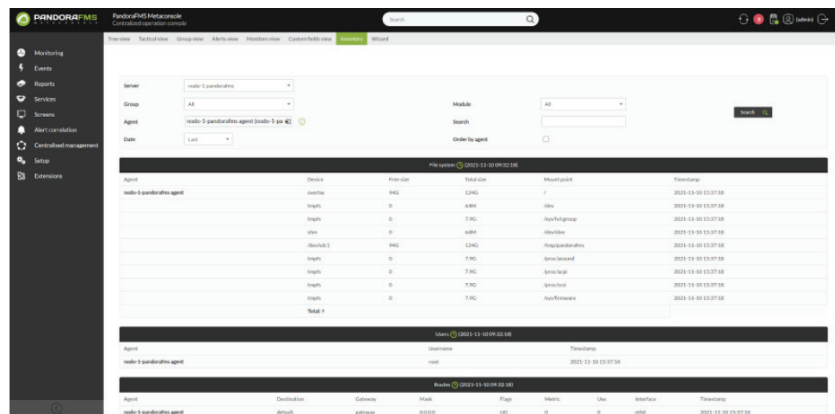


Auto-enforcement of policies by group

A system of automatic application of policies has been designed so that groups can be assigned policies and when a new agent is added to the group, the associated policies are applied automatically. This improves current auto-provisioning operations and enables large amounts of agents to be handled quickly.

Metaconsole inventory

Inventory display feature has been added to the Metaconsole.



Secondary IP macros in network components and plugin

From now on, through the `_address_n_macro` you may use any of the secondary (or successive) IP's of an agent in network modules or remote plugins.

New features and improvements

New alert action history report.

It complements the existing event or alert reports, offering the details of what action (send email, SMS, log) for each alert launched on an agent/module. It is based on events (which now save that information when an alert is fired).

Actions alert report		Actions		(1 days) From: December 12, 2021, 5:54 pm To: December 13, 2021, 5:54 pm	
agent	Monitoring Event	Restart agent	Mail to Admin		
Agente 10	0	0	2		
Agente AN10D	0	0	2		
Agente KF28A	0	0	2		
Agente LOB9A	0	0	2		
Agente I87DA	4	0	1		
Agente XZ78A	0	4	5		

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.

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
12549	8111	x frame options options in php files
11626	8099	Jquery Mobile

Changes and improvements

Support #	GitLab #	Description
N/A	7995	Modified the general search criteria in both node and Metaconsole so that it is NOT case sensitive
N/A	7947	Added the necessary fields for editing the integration action with Integria IMS from the Metaconsole for centralized environments
12114	7784	Added search for child groups for report templates in Metaconsole
N/A	8312	Added the option to sort the list in the IPAM view by description, name or location
N/A	7351	Fixed module library view
N/A	8308	Added link for supernet edit on the supernets map
N/A	8242	Added option of special days within the Metaconsole
N/A	7316	Modified combo selectors in correlated alerts so that text search are possible
N/A	4711	Added the option to order tickets in the integration with Integria IMS
N/A	8307	Added the ability to display items on supernet maps
N/A	4710	Added the possibility of adding attachments when creating tickets in the integration with Integria IMS
N/A	8101	Added the inventory view within the Metaconsole
N/A	8311	Added network filtering by description within IPAM
N/A	7994	Added filtering inside the custom fields view in Metaconsole
11039	6757	Increased the number of characters to be able to use in labels in a custom graph
12436	8065	Modified name change management in services, by which new modules were created instead of using existing ones
N/A	8017	Added features within the alert view in policies
N/A	7874	Added alert server settings within the remote server configuration in console
N/A	7379	Added the ability to use the <code>_addressn_n_</code> macro on network and plugin servers
N/A	8309	Added IP column in the sites of the VLAN views in IPAM
N/A	8069	Added warning message in Command Center when the task queue has a failure in a node or the task is delayed in time
N/A	8123	Disabled the possibility of automatic creation of users by remote authentication when having a centralized environment
N/A	7892	Modified forwarding parameters for agent deployment to take into account its OS
N/A	7503	Added new features for special days, including a calendar
N/A	8310	Added location field as selector and added to the Sites view in IPAM

Changes and improvements

Support #	GitLab #	Description
N/A	8075	Added new type of alert actions report
N/A	7456	Added new type of trend predictive module
N/A	5188	Implemented new tab "Sites" in IPAM
5173	1931	Added percentage-based status change thresholds
N/A	6375	Added policy auto-enforcement by group
N/A	8130	New improvements added to Network Configuration Manager
N/A	3220	Added new capacity planning modules

Bug fixes

Support #	GitLab #	Description
12795	8335/8210	Fixed module alert action editing once the alert is created
N/A	8323	Fixed AWS RDS monitoring whereby it returned a constant failure even with the discovery task correctly configured
N/A	8318/8324	Modified the transactions made from Metaconsole to node through Command Center to avoid possible desynchronizations due to Mysql
N/A	8314	Fixed patch application through Update Manager Offline from Metaconsole to nodes
N/A	8306	Fixed item editing in File Repository Manager
N/A	8301	Fixed pandora_manage execution without elements that did not show the help correctly
12744	8296	Fixed web module creation in policies both in node and in Metaconsole
N/A	8294	Fixed display of graphs where it took a general token from the setup when it should first take the specific one from the graphs
12220	8292	Modified password retrieval in Update Manager Online and Offline by which it did not decrypt the password if necessary
N/A	8278	Corrected agent graph display in Pandora FMS OpenSource version
12706	8277	Fixed filtering by more than one field within the alert list
11845	8269	Fixed alert correlations when filtering by secondary groups was used
N/A	8267	Fixed dynamic service calculation
N/A	8266	Fixed the SQL error in Metaconsole policies when adding an agent to a policy when there are two or more nodes
12655	8265	Modified agent migration checks between nodes with Metaconsole to ignore policies with empty elements

Bug fixes

Support #	GitLab #	Description
N/A	8257	Fixed the visual error of user profiles where those referring to visual consoles could not be seen
N/A	8254/8169	Item filtering error when using group filtering, since child groups were ignored
12677	8251	Fixed deletion + simultaneous addition of IP in an agent whereby the agent's IP was left blank instead of entering the new IP
12677	8250	Fixed agent deletion in console
N/A	8247	Added the resolution and closed by fields in integration with Integria IMS when closing a ticket
12653	8239	Fixed data resolution through SNMP Wizard when using a satellite server as destination server
12645	8237	Fixed error 500 in a service view if you have an element with the option of Command line Snapshot active
N/A	8236	Fixed discovery task in ARM for satellite server
N/A	8235	Fixed SAML-based authentication method for centralized environments
N/A	8228	Modified the use of CLI for operations on users when it is a centralized environment
12636	8226	Modified the display of the Netflow report by which it was seen with a reduced size
N/A	8224	Modified the use of CLI for operations on users when it is a centralized environment
N/A	8221	Fixed visual error whereby when creating an agent in Metaconsole it always came out as having been created in the first node of the metasetup even if it was correctly created in another
N/A	8215	Fixed user creation where any user could select any group instead of just their assigned groups
N/A	8203	Fixed entities appearing in custom graphs
12568	8200/8184/7688	Fixed agents, module and alert counting in tactical view for administrator users
N/A	8197/8192	Fixed inventory alerts, both editing and filtering by blacklist
N/A	8191	Fixed event redirection from a service map where filtering was not applied correctly
N/A	8190	Fixed visual bug when cleaning agents from policies where despite cleaning correctly, the failure always came out
N/A	8185	Fixed asynchronous data type module creation without filling the data configuration field
N/A	8175	Fixed the inventory template item in Metaconsole reports
N/A	8174	Fixed policy import errors in Metaconsole
N/A	8172	Fixed editing event comments in Metaconsole
N/A	8168	Modified the tactical view in Metaconsole to take into account group ACL propagate
N/A	8167	Fixed node access for user without permission in its first login
N/A	8163	Fixed Agent Alert item in Metaconsole reports

Bug fixes

Support #	GitLab #	Description
N/A	8159	Modified migration of agents between servers through Metaconsole that would cause the server to crash if there was a history database
N/A	8154	Fixed non-synchronism of visual style options between Metaconsole and Node
N/A	8146	Fixed event filtering in the latest events widget in a Dashboard
N/A	8144	Fixed the visual error of displaying the full name of Dashboard or favorite visual console
N/A	8143	Modified the general Pandora FMS search engine to obtain correct data
N/A	8142	Modified label filtering by which, if it did not return any results to the specified filter, it would remain in a loop without returning anything
N/A	8139	Fixed case sensitive in report items
N/A	8138	Fixed counting in module group view
N/A	8136	Fixed deployment in policy tree view in node
N/A	8134	Fixed filtering by modules in tag tree view
N/A	8133	Fixed filtering by modules in tag tree view
12574	8128	Fixed agent display in report templates in Metaconsole with proper permissions
N/A	8125	Modified the auto deletion of global administrator user when all profiles are deleted at the same time
N/A	8124	Modified authentication for global administrator user by which it always has to go through local and not remote verification
12553	8114	Fixed the macro moduledata_X_ for modules that have history enabled
12546	8109	Fixed call to the add_agent_policy_by_id api in Metaconsole
N/A	8105/8039/8040	Revised and corrected several items in visual consoles
N/A	8098	Fixed filtering in agents/alerts view
N/A	8088	Fixed visual error in event alerts in selector combos whereby the default option always appears even if it is properly configured
N/A	8073	modified the install.php which failed to give the last permissions in the database
N/A	8066	Fixed LDAP authentication errors when using the PHP option
N/A	8063	Fixed group recursion filtering in bulk module operations
N/A	8053	Fixed visual failure of the header in the public URL of a dashboard in its first load
N/A	8052	Fixed the data display of a module in the services tree view in Metaconsole
N/A	8049	Fixed the editing of the visual console widget in a dashboard where it gave a 500 error when switching between visual consoles
N/A	8044	Fixed visual bug of event ID in event details when it is grouped
N/A	8041	Fixed the inclusion of module graphics through wizard in visual consoles

Bug fixes

Support #	GitLab #	Description
N/A	8040	Fixed visual error when editing a module graphic in a visual console whereby the background changed to transparent
N/A	8039	Fixed network link item editing in visual consoles
12442	8037/7884	Fixed the creation of new items in visual consoles in Metaconsole
N/A	8023	Fixed the visual error in policy view whereby group filtering does not disappear once chosen
N/A	8019	Fixed visual errors in the modal window of adding networks to a supernet
12425	7997	Fixed coloring in service tree view when an item is disabled
N/A	7986	Added again the option to disable the event generated by an event alert being triggered
N/A	7966	Removed the "none" option for the service item in a visual console
N/A	7962	Fixed visual error of the new "not condition" token in the modules view
N/A	7959	Fixed the display of the modal window of audible alerts
12350	7929	Policy cloning modified to keep the force application token active
N/A	7918	Modified save text in SLA items in reports that led to saving errors
N/A	7917	Modified button change in Custom SQL editing
N/A	7916	Modified the <code>_agentgroup_</code> macro to show the group name instead of its group ID
12337	7912	Fixed filtering in tree view widget in dashboards
N/A	7905	Fixed visual glitch in agent/alert view in dark mode
N/A	7904	Fixed visual glitch in tag view in dark mode
N/A	7902	Fixed visual error in the modal window when editing alert actions in modules
12309	7895	Modified the incremental item in reports so that it gets the decimals correctly only if necessary
12272	7875/7729	Fixed the report in CSV to preserve the structure in case of querying SQL
N/A	7844/7839/7838	Revised, corrected and added the elements of Pandora FMS console for the correct operation of its Enterprise ACLs system
N/A	7843	Fixed warning message when activating the event read only token in centralized node
N/A	7807	Fixed editing agent plugins from the console for Windows agents
11001	7799	Fixed action and command hierarchy for SNMP alerts
N/A	7593	Fixed redirection in remote components when performing a search after having previously edited one
N/A	8156	Fixed collection forwarding in environments with php 7.4 from Metaconsole to node
N/A	8116	Fixed the status of network modules when the server runs out of memory

Support #	GitLab #	Description
11965	7790	Deleted temporary file mass creation in the jmx plugin
12154	7787	Fixed debug mode of web modules that cut URLs
N/A	8042	Fixed event comments bug for grouped events, so that it shows all comments

Documentation update

Case #	GitLab #	Description
N/A	8343	Updated IPAM documentation
N/A	8268	Updated _addressn_n_macro documentation
N/A	8261	Improvement and update of the documentation of the usable variables in pandora_server.conf
N/A	8234	Added documentation of special days for Metaconsole



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

Update 

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