



RELEASE

752

February 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

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

## New features and improvements

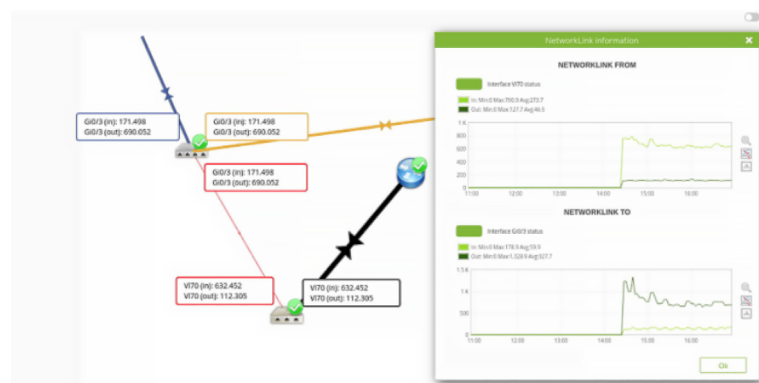
### Remote server configuration form

This new feature allows modifying the server's configuration through a simple form from Pandora FMS console, being able to continue using remote or local configuration as before. It is a view where you can enable/disable servers, as well as modify some of the configuration advanced fields.



### New elements for dynamic network interfaces in visual consoles

The possibility of including an element with which the information flow between two visual console items can be represented, such as the traffic between two network interfaces, has been added.



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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](#)

## Improvements in dynamic services

An advanced mode has been implemented in dynamic services that allows the use of regular expressions to be able to match agent conditions, modules and custom fields (both name and value), as well as warning messages when any of these fields fails to match any agent.

## New macros available in event responses

Macros for “\_data\_”, “\_event\_instruction\_” and “\_moduledescription\_” have been added inside event responses.

# Known changes and limitations

## Improved maintenance and deployment of historical database through pandora\_db

History database maintenance has been modified through pandora\_db, where it will no longer be necessary to have the maintenance separate from the main and historical databases, being carried out just from the configuration of the main database. In the next release (753) a visual configuration interface will be implemented to create it.

## Fixed vulnerabilities

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

Caso#	GitLab #	Descripción
N/A	4025	Added the need to re-enter the password for the user who wants to change their password within Pandora FMS console, except for administrator users.



### Other resources for your interest

Documentation of [Pandora FMS online](#)

Plugin Library [Plugin Library](#)

Pandora FMS official [technical support](#)

## Feature extinction

- Visual\_console\_manager extension has been removed.
- The possibility of generating Metaconsole log reports has been deleted.
- The backup extension has been removed, now the feature is integrated into Pandora FMS Discovery.
- Deleted event statistics view.
- Deleted the entry in the Tools -> IPAM menu, leaving only Admin Tools -> IPAM.

## Changes and improvements

Case#	GitLab #	Description
N/A	6922	Removed .vstafs and MYMETA.json files, which are not required but imply dependency conflicts.
N/A	6889	Removed IP column from the list of connected users in order to comply with RGPD regulations.
N/A	6886	Deleted the possibility of adding the Permissions report item within report templates.
N/A	2948	Added a new form to modify Pandora FMS server configuration.
N/A	6849	Removed Visual_console_manager extension.
N/A	6665	Added new macros that can be used within event responses.
N/A	5840	Modified the install.php file so that when a random password is generated, it complies with Percona password policy.
10974	6825	Added token to control the maximum elements in custom charts and to see a warning message when more than the configured ones are included.
N/A	6351	Deleted the possibility of generating Metaconsole log reports.
N/A	6048	Modified WUX file upload text notifying the possibility of uploading .side files for Selenium 3.
N/A	7037	Fixed regular expression matching in the Agent field of certain items in report templates.
N/A	6985	Visual enhancements made in the settings of the mail to be used by Pandora FMS, changing the SSL/TLS option to just SSL and adding a warning text box for SMTP cases with specific ports for Gmail and Office365.
N/A	6915	Modified license types, in the license view, by Perpetual or Trial.
N/A	6913	Improved WUX tool performance in DOCKER environments.
N/A	6862	Added all dependencies, both OpenSource and Enterprise, for Pandora FMS docker public image.
N/A	6847	Added pandora_db.sql and pandoradbdata.sql files within Pandora FMS OUM files so that they are updated with the changes of each version.
N/A	6845	Deleted the backup extension since it is within Discovery feature.
N/A	6844	Deleted event statistics view.

## Changes and improvements

Case#	GitLab #	Description
N/A	1175	Updated copyright texts of Artica Soluciones Tecnológicas in all Pandora FMS files.
N/A	6815	Modified the SAP HANA plugin for Windows to avoid controlling the .exe files that Windows performs and not be able to use the plugin correctly.
N/A	6384	Created new brutus elements in visual consoles of dynamic input/output interface elements.
N/A	6652	Modified maintenance of main and historical database through pandora_db.
N/A	6158	Dynamic service improvements to be able to use regular expressions and custom agent fields of agents in configuration drawing.
N/A	6126	Added report type selector when using a scheduled task to save the report in disk.
N/A	6933	Changed display of alert templates, actions and commands based on group permissions.
N/A	6779	SNMP tag "event criticality" visually replaced by "event severity".
N/A	6280	Added certificate and sign within software agents for MacOS
10181	6146	Improved Kafka plugin to return an output supported by Pandora FMS, as well as new options to include thresholds.
N/A	6932	Increased the amount of characters to be able to use in tag naming.
N/A	5265	Modified regular expression matching for the agent field within report items, by previously having a match within report creation in the template.
10801 11254	6908 11254 6959 7020 6938	Optimization of the SNMP Browser feature, where timeouts are deleted for interfaces with many devices, limiting MIB translation by default.
N/A	7003	Added new filters for Oper Status, Admin Status for SNMP interface wizards.

## Bug fixes

Case#	GitLab #	Description
11176	6896	Fixed ACLs error when trying to see a snapshot of any type of module, automatically logging out from the console.
11192	6930	Fixed alert firing bug for module templates in unknown state.
N/A	6920	Fixed string data display with snapshots activated for the mobile version.
N/A	6902	Modified pandora_db performance to remove uninitialized elements by leaving the token empty within performance configuration.
N/A	6901	Fixed introduction of custom graphics within Metaconsole visual consoles.
N/A	6897	Modified certain styles of some views of the Metaconsole that made their features fail.
N/A	6895	Fixed the possibility of creating scheduled tasks to send reports by email without choosing any report template.

## Bug fixes

Case#	GitLab #	Description
N/A	6893	Fixed the possibility of creating event filters without a name, where now an error window will appear when trying to create them.
N/A	6863	Fixed the styles of the service massive operation view.
N/A	6854	Modified a warning when starting the server referring to pandora_db as it does not have a history database.
N/A	6822	Fixed an error in the SNMP view when not having any agent created in Pandora FMS.
N/A	6819	Fixed an error in tag view when not having any agent created in Pandora FMS.
N/A	6804	Modified the error when trying to access an Enterprise feature in Pandora FMS OpenSource version.
N/A	6799	Fixed dashboard widget width management error.
N/A	6798	Fixed dashboard display priority, where it always prioritized the first widget created no matter where it was located.
N/A	6797	Modified the default timeout for generating reports in PDF to be able to see large reports.
10869 10704	6792	Fixed the interpretation of the WMI modules where the capitalization of the elements was taken into account.
N/A	6791	Modified the performance of pandora_db, which deleted all sessions from the console when it was executed.
N/A	6786	Fixed SNMP remote component creation when using dynamic scan option.
11050	6765	Fixed the change of SNMP password data when changing any token in SNMP v3 in massive operations.
N/A	6755	Modified data retrieval of the group report item in Metaconsole to obtain data from the Metaconsole table instead of that of the first node.
10398	6744 6142	Fixed the rescanning field of VMware tasks whereby when editing it, the rescanning would always be enabled.
11010	6737	Fixed group status widget to take into account secondary groups.
10925	6736	Fixed Quickshell working when using self-signed certificates.
N/A	6727	Visual bug fixes in SAP view.
N/A	6719	Fixed the warning when starting the server in the OpenSource version not having the correct Enterprise parameters.
N/A	6718	Fixed visual error in the software agent installer in Windows.
N/A	6707	Fixed data compaction in the history database whereby entries in tconfig were duplicated.
N/A	6705	Modified policy enforcement errors through Metaconsole when using agent auto configuration with centralized mode active.
N/A	6698	Fixed Metaconsole default visual consoles display.
N/A	6689	Fixed group selectors in Metaconsole module view.
N/A	6687	Modified the install.php file to take into account when it is a Metaconsole.
N/A	6682	Fixed the problem where the same component could be created more than once, giving an error when using it later.
N/A	6681	Fixed multiple SNMP network component creation when using SNMP Browser.

## Bug fixes

Case#	GitLab #	Description
N/A	6675	Revised and fixed Metaconsole visual console items.
N/A	6674	Added default field in service size in visual console to avoid errors in services with many elements.
11001	6670	Fixed SNMP alert priorities.
N/A	6666	Fixed Mainframe extension to be able to access with a standard non-administrator user.
N/A	6664	Fixed errors in service editing and creation with brackets in the name in Metaconsole.
N/A	6653	Fixed visual console public link display when they are linked to other visual consoles.
10560	6651	Fixed agent filtering in Metaconsole policies.
N/A	6645	Changed the Discovery task view so that tasks from groups you do not have permission to cannot be seen.
N/A	6643	Fixed the summary of Discovery VMWare tasks, whereby it always indicated that the task had not been executed.
N/A	6637	Fixed fired alert counting in Metaconsole tactical view.
N/A	6636	Fixed pie graphs element display in visual console public links.
N/A	6634	Fixed the visual error that appeared after deleting a recognition task in Discovery.
N/A	6632	Modified the favorite Dashboard view in the side menu, where all dashboards were favorites previously.
N/A	6631	Fixed ACL widget display issues within dashboards and added information about it in the documentation of Pandora FMS wiki.
N/A	6628	Fixed title and subtitle deletion in Pandora FMS OpenSource version.
10909	6627	Fixed alert correlation rule updating bug.
N/A	6623	Fixed module editing filtering in Metaconsole whereby only modules created in Metaconsole were displayed instead of all modules.
N/A	6614	Fixed error message when deleting a plugin in the Metaconsole.
N/A	6613	Fixed network component filtering in the Metaconsole.
N/A	6609	Fixed visual bug in agent auto configuration in the Metaconsole.
N/A	6605	Fixed Pandora FMS general search to locate network maps.
N/A	6582	Fixed module filtering in mass operations using status filter.
N/A	6562	Fixed SNMP alert deletion through mass operations.
N/A	6539	Fixed visual error when creating a service in manual mode instead of smart mode.
N/A	6534	Fixed visual console displacement when using visual console migration from legacy to current mode.
N/A	6515	Fixed collection message when there are no agents included.
N/A	6509	Fixed total module counting and counting by state in agent view.

## Bug fixes

Case#	GitLab #	Description
N/A	6507	Fixed Metaconsole policy application during Metaconsole agent auto configuration when having centralized mode enabled.
N/A	6446	Fixed visual error in visual console when using the dark fullscreen mode.
N/A	6425	Fixed visual error when deploying the advanced options of Metaconsole module creation.
N/A	6407	Fixed the possibility of making SNMPWalk checks by means of the console's SNMP Browser choosing a Server Satellite as server to be executed.
N/A	6405	Fixed the deletion of the conf and md5 files of the agents in the node when they are deleted from the Metaconsole with centralized mode enabled.
N/A	10771	Fixed visual console widget display in dashboards when dealing with large visual consoles.
N/A	6403	Fixed Pandora FMS active user display to only be able to see those that belong to the same permission group.
N/A	6388	Modified script paths where two different paths appeared, leaving only /usr/share/pandora_server/util/recon_scripts
N/A	6355	Fixed widget messages in an ACL display dashboard; additionally added ACL display information in dashboards.
N/A	6347	Fixed the erroneous possibility of choosing multiple agents for editing within the Metaconsole.
N/A	6506	Fixed normal-state module counting within the group view.
N/A	6505	Fixed total monitor counting and server performance within tactical views, so that inactive modules are not taken into account.
N/A	6503	Fixed alert counting in the tactical view so that inactivated alerts are not taken into account.
N/A	6501	Fixed the possibility of entering external links by default as a user's home screen.
N/A	6498	Modified email alert templates so that the icons take into account the type of status of the module itself.
N/A	6490	Fixed the action selector to add to an alert when editing it to add new actions.
N/A	6449	Fixed collection folder deletion failure when deleted from Metaconsole with centralized mode enabled.
N/A	6447	Fixed visual help bugs in visual console elements.
N/A	6340	Fixed visual bugs of additional agent information within the Metaconsole tree view.
N/A	6339	Fixed visual errors in the monitor view within the Metaconsole.
N/A	6335	Fixed bugs referring to the "waitForText" command within web checks using Selenium 3.
10681	6321	Fixed the maximum limit of labels in a graph for which all were previously shown without respecting the maximum number of elements to display.
N/A	6319	Fixed the problem in getValue and asynchronous web module creation, whereby they were created as image mode when they should not.
N/A	6292	Fixed service creation through massive operations.
N/A	6282	Fixed creating module templates without entering any data.
N/A	6209	Fixed screen mirroring error when using Quickshell in Firefox.
7654	6091	Modified errors within Pandora FMS console log to avoid fill-up with non-critical information.

## Bug fixes

Case#	GitLab #	Description
N/A	6065	Fixed visual errors in graphic generation for the correct display of labels.
N/A	5983	Fixed visual errors in the different tree views when displaying alerts, data and graphs.
N/A	5489	Fixed filtering the general search engine by groups, where secondary groups are now taken into account.
N/A	5351	Fixed visual problem of PDF graph generation of custom SQL queries.
N/A	5115	Fixed Metaconsole monitor view filtering by which the submenu would disappear.
N/A	4953	Fixed admin user login through LDP in Metaconsole whereby it only logged in with local data, not through LDAP.
N/A	4491	Modified the colors used for value representation when hovering over a bar graph in a visual console.
N/A	3661	Added the possibility of choosing which server will execute certain Discovery features.
N/A	6856	Fixed server warning: "Use of uninitialized value \$retries in numeric lt (<) at /usr/lib/perl5/PandoraFMS/Tools.pm line 1586."
N/A	7001	Fixed latency modules for OpenSource servers.
10973	6723	Fixed the color of the lines between visual consoles showing the status between elements.
N/A	6151	Modified RPM packages for Suse for which there were dependency errors even though they all existed.
N/A	6876	Fixed Export Server erroneous operation.
N/A	6855	Fixed network scanning errors in Pandora FMS OpenSource version.
11094	6800	Fixed deletion of fields 11 to 20 in SNMP alerts regardless of the action to be taken.
N/A	6790	Fixed summary view in Discovery Oracle tasks.
10891	6624	Fixed SQL errors in Discovery VMWare tasks when dealing with old tasks.
1359 11363 8763	4704	Fixed boolean web modules which did not give critical results when obtaining timeout on the page to monitor.
N/A	6864	Fixed graph forwarding by mail, where graphs are cropped or do not appear for Gmail and Office 365.

## Documentation update

Case#	GitLab #	Description
N/A	6125	Added advanced option for plugins in console.
N/A	6419	Added documentation of the new <code>_modulecustomid_</code> macro for integrations with third-party applications through API/CLI calls.
N/A	6684	Modified information of the data obtained through SNMP Wizards to clarify visible data before creating the module with incremental data.



## Documentation update

Case#	GitLab #	Description
N/A	6717	Updated product installation documentation to add the new dependencies, such as the operating systems supported by the tool.
N/A	6829	Added information about the new control token for the elements that can be displayed within a custom chart.
N/A	6158	Updated dynamic service documentation.
N/A	6957	Added documentation Pandora FMS server new remote configuration.
11169	6882	Added information from the API/CLI call set create_alert_template with the "not normal" option.
N/A	6843	Added warning in graphic display for environments with a time zone different from the one configured in the user.
N/A	6814	Documented changes to module_graph call.
N/A	6811	Added documentation for the debug mode of WUX modules.
N/A	6701	Added documentation on relation rules within Metaconsole configuration.
N/A	6607	Tentacle Server documentation updated.
N/A	6588	Modified ACL permission information in dashboard element display.
N/A	3551	Agent cache management update in Metaconsole.
N/A	5986	Updated documentation of the use_xml_timestamp token in Pandora FMS server configuration.
10181	6146	Added new documentation with the modified fields of the Kafka plugin.
N/A	7046	Updated documentation of DOCKER environments for selenium deployment.



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

Update 

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# Legal Information

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