

**WHAT'S NEW**  
UPDATE PACKAGE 741  
November 2019



**PANDORA FMS 7.0 NG 741**

[pandorafms.com](http://pandorafms.com)



As mentioned in the last release 740, even updates will focus on fixing bugs and odd ones on **developing new features and improvements that help all users.**

In this release 741, a new Discovery integration has been added to monitor **SAP** centrally and remotely, a system to report bugs and suggestions, in addition to **Omnishell**, the first step of Pandora FMS in the world of automation and IT infrastructure management. This update also contains the new **log alert correlation** system, which is merged with the event alert system.

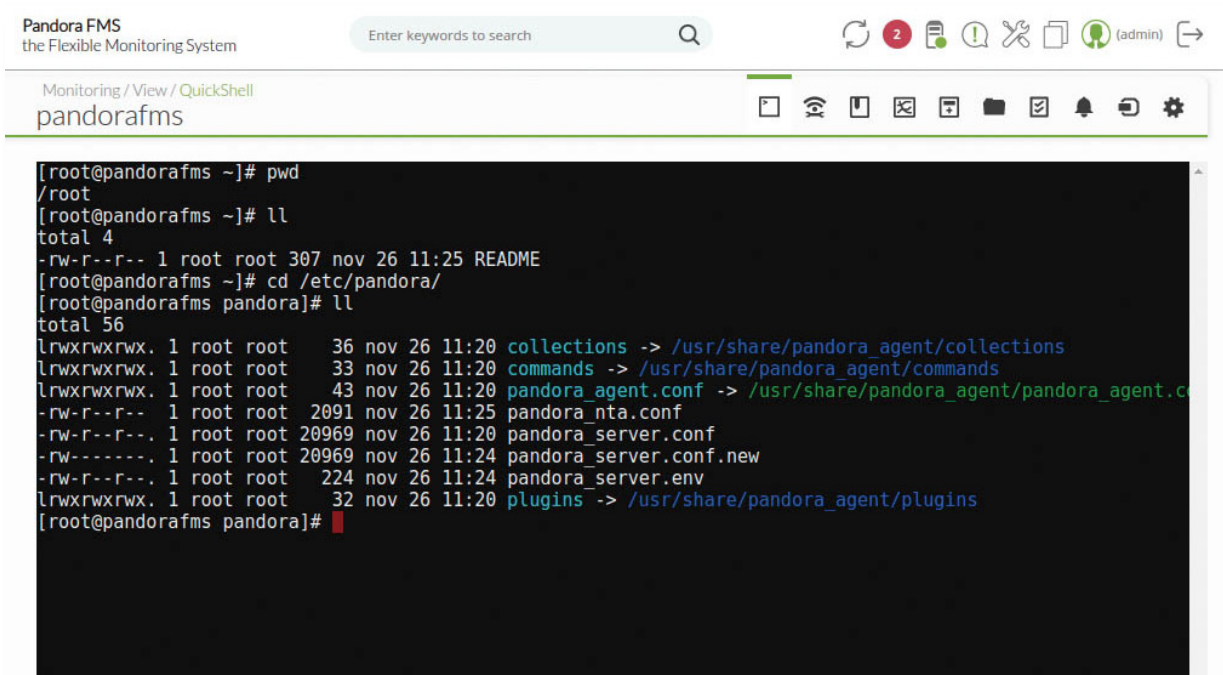
At the request of many users and clients, an integrated **SSH and Telnet console** has been incorporated into Pandora FMS, to help all sysadmins to access local computers with a single click. In addition, a new type of remote command execution check has been added for Windows and Unix systems.

Finally, the **Metaconsole** has also been improved in this update, since now those customers who have it will be able to see millions of events in seconds with **noticeable performance improvements.**

## NEW FEATURES AND DEVELOPMENTS

### SSH and Telnet remote access from the console

A new console extension has been added, which will allow any agent with a configured IP to be connected via SSH or Telnet. The QuickShell feature provides a management screen of the new GoTTY subservice where to configure the connection.

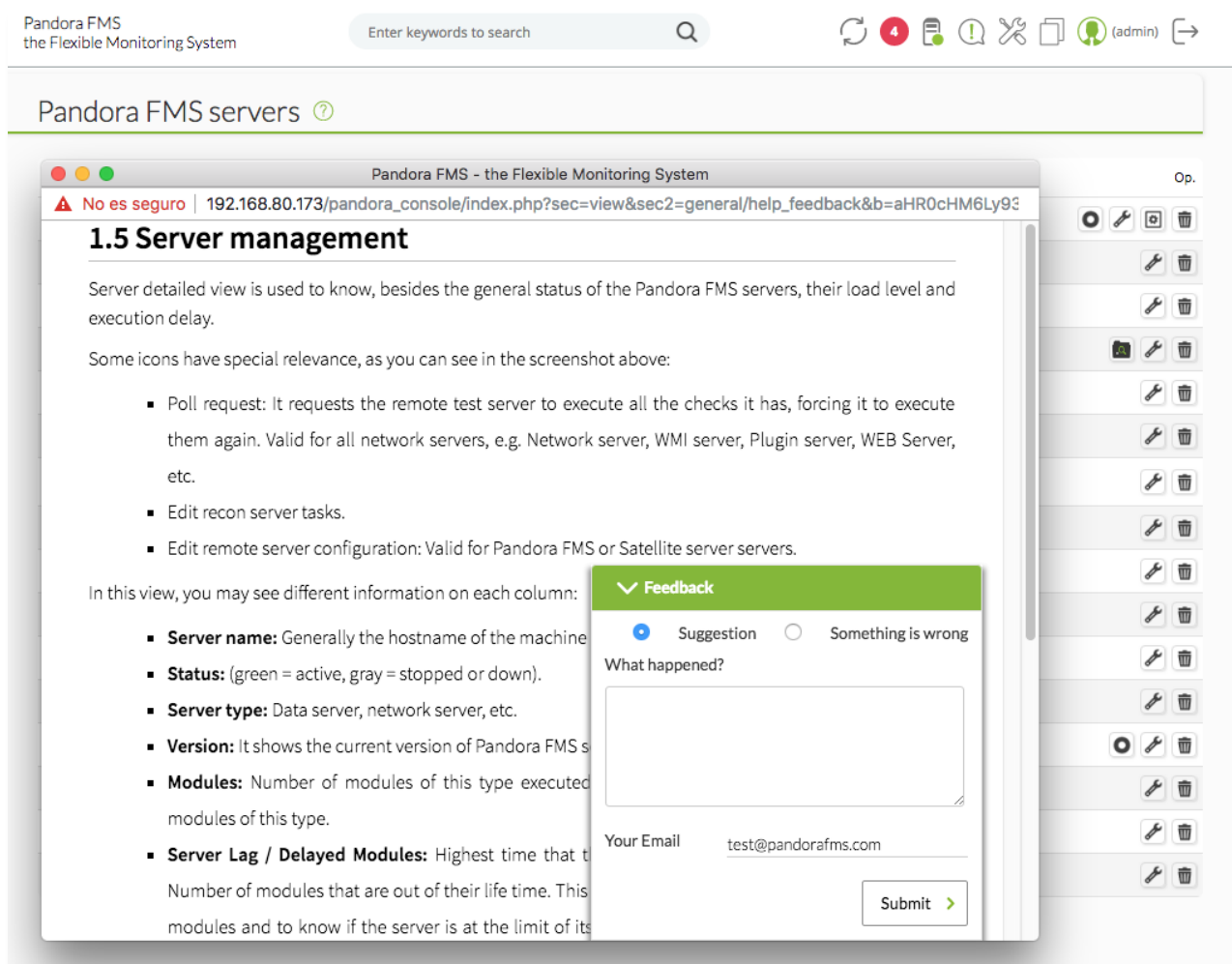




### New help feedback

A new *feedback* system has been created, so that Pandora FMS Enterprise users can send their opinions, report bugs, make suggestions and comments about the software's features.

The *feedback* window will appear in the console of all clients both in the navigation bar and in the documentation help of sections that provide assistance.



### New alert correlation system for logs

From version 741 onwards, a series of rules can be defined to trigger alerts based on the collected logs. Pandora FMS will be in charge of analyzing logs and in case the previously set rules match, the user will be allowed to perform a response action.



### Available items

**Block:** ( )

**Fields:**

- Log content
- Log source
- Log agent
- Event content
- Event user comment
- Event agent
- Event module
- Event module alerts
- Event group
- Event group Recursive
- Event severity
- Event tag
- Event user
- Event type

**Operators:**

- >
- <
- >=
- <=
- =
- !=
- REGEX
- NOT REGEX

**Variables:**

- Doble click for assing value

**Modifiers:**

- Time window
- Count

### Rule definition

( Log content REGEX Its trying to login  
AND Log source = FORTINET Count 40 Time window 600 )

## Remote execution modules

Monitoring modules can be added to remotely execute commands on Windows and Linux systems, so as to not have to deploy agents on remote systems.

To configure this new module, only the connection data against the target must be registered in the safe credential store, without the need for using public keys or extensive configurations, making it easier for users to work.

Monitor detail [Grid] [List]

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**Group**

**Module name**

**Server type**

**Monitor status**

**Search**

**Show monitors**

**Module group**

**Tags**

**Data type**

> Agent custom fields

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Total items: 1

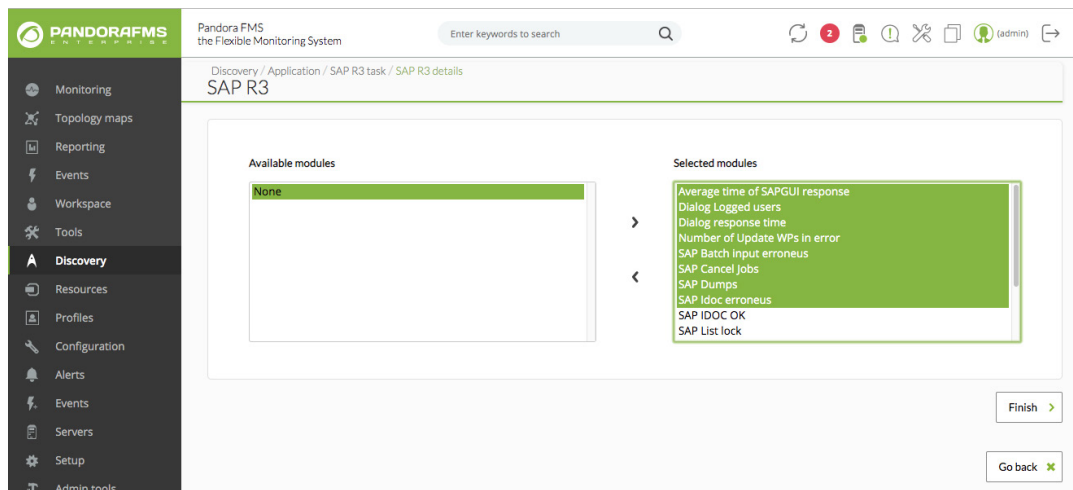
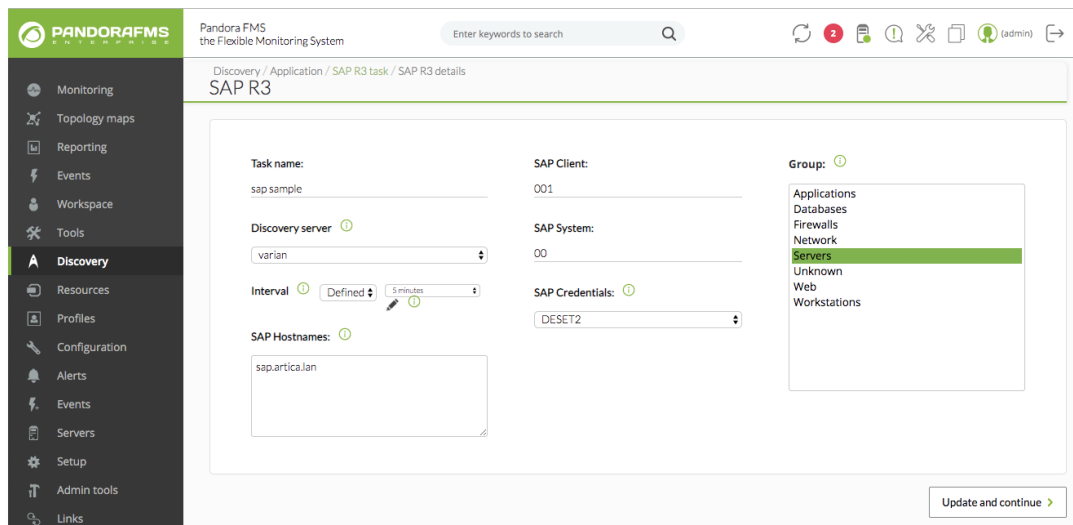
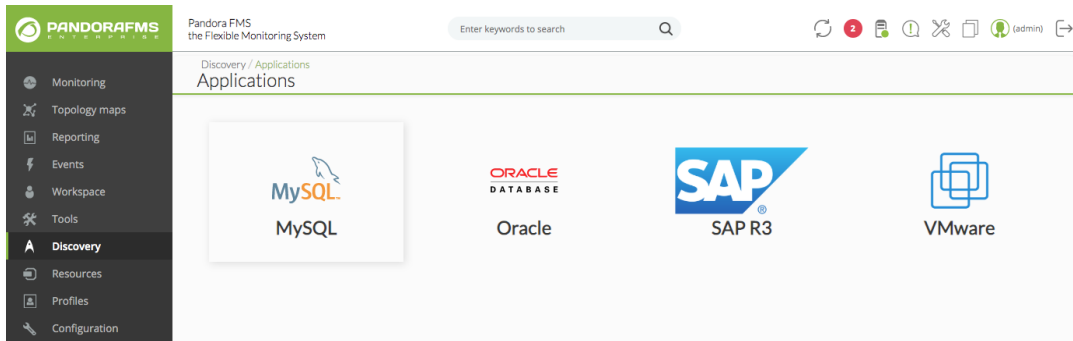
p.	Agent	Data type	Module name	Server type	Interval	Status	Graph	Warn	Data	Timestamp
	Windows	CMO TEXT	Product ID		5 minutes	<span style="color: green;">●</span>		N/A - N/A	Product ID: 00330-80000-00000-AA154	55 seconds

Total items: 1



## SAP monitoring integrated in Discovery

SAP can now be monitored centrally and remotely with just a couple of clicks from the Discovery tool. In addition, a specific view has been added within agent view, where filters can be established and graphics displayed with the received values.

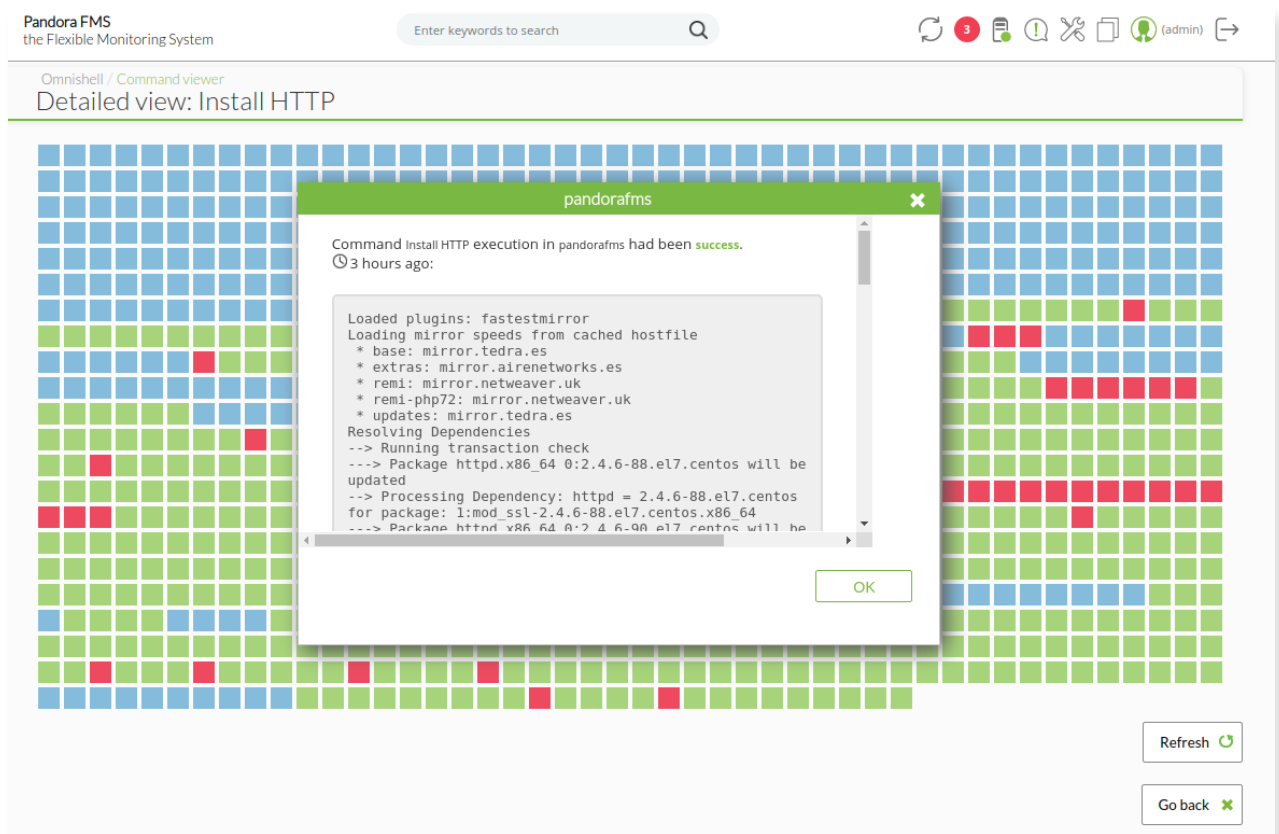




### Administration and automation through Omnishell

Omnishell is conceived as the first step of Pandora FMS towards IT infrastructure management. This new feature will allow you to define commands or command blocks and select targets to execute commands simultaneously on tens or hundreds of systems at the same time, unattended.

This system will be present in Pandora FMS agents from version 741 onwards, and no changes will be necessary, except for having remote configuration activated. Omnishell is based on communication between the different Pandora FMS components through Tentacle protocol to safely coordinate executions and responses of the commands that must be programmed. Right now, it is only available for Unix environments, but it will also be available for Windows soon.





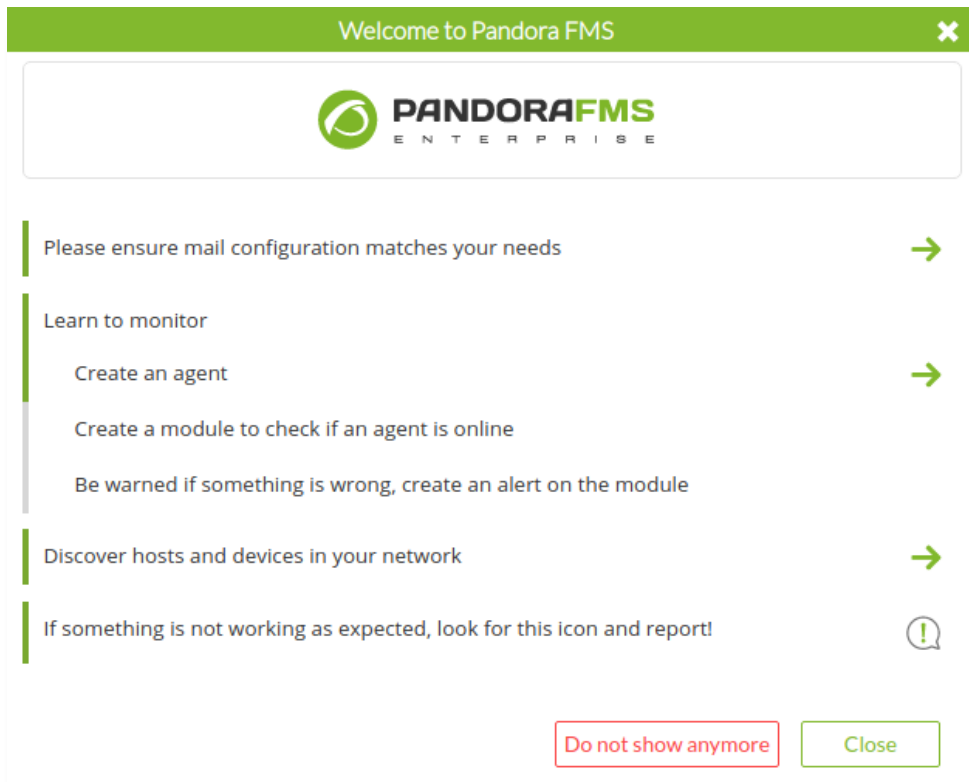
## Other improvements

- **Diagnostic Tools**

In this update, the diagnostic tool has been improved in order to assess the current state of an installation and thereby improve Pandora FMS performance.

- **Monitoring from Pandora FMS initial installation**

In the final process of new Pandora FMS installations, a new welcome window will appear, by which users can start monitoring and perform actions such as: creating an agent that contains a module, creating an alert on a module, making a network examination with Pandora FMS Discovery, configuring the mail or sending a comment using the new feedback tool to report a failure or suggestion.



- **Better performance in Metaconsole event**

With this release 741, the time it takes for Pandora FMS Metaconsole event view to load has been reduced. Now, millions of events can be viewed in a few seconds.



### • **Sample\_Agent: the dummy agent for testing**

Within update 741, a dummy agent with random data has been added, called *Sample\_Agent*. Its purpose is performing tasks such as network checks, like SNMP, alert launching, graph creation, etc. The code of this agent comes as an extension and is automatically enabled.

## Troubleshooting

- \* Fixed Module Groups view issue that allowed access to it regardless of the group the user was assigned.
- \* Fixed error where visual consoles were created without data when generated from templates, using the Wizard.
- \* Reported performance issue when using *module\_logevent* that blocked the agent when processing large amounts of information. A new method is suggested: *log\_channel*.
- \* Fixed error that prevented generating alerts using the agent Wizard in the Metaconsole.
- \* Fixed issue inside a dashboard whereby, when adding a custom graph widget and selecting the Gauge stack, it stayed blank.
- \* Fixed error of Windows agents that did not send XML files, when the agents were delayed at the start of each interval execution.
- \* Fixed bug where a policy with plugins was not added to an agent.
- \* Fixed error of access to the scheduled downtime creation screen, when there were specific and customized ACLs to access that menu.
- \* Fixed issue in event filter, when the user's language was in Catalanian.
- \* Fixed error by which no event was shown when filtering by *warning/critical* or *critical/normal* in the trap console.
- \* Fixed bug where, if a PDF report was downloaded, from the HTML view and an initial and final date was established, the date formats were changed.
- \* Fixed error by which some minor changes in database fields were missing, when migrating from Pandora FMS 6 to its most current version, Pandora FMS 7.0 NG.