

PANDORAFMS
E N T E R P R I S E

Pandora FMS
User Manual
ICMP Latency Monitoring
IIS Servers



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Index

1Changelog.....	3
2Introduction.....	4
3Requirements.....	5
4Compatibility matrix.....	6
5Generated Software Agents Modules	7



1 CHANGELOG

Fecha	Autor	Cambio	Versión
02/03/12	Tomas	First Version	v1r1

2 INTRODUCTION

This document has as main objective the description of the host massive ICMP monitoring in Windows environments, both status and the latency of them.

To get information, the following elements are used:

- The software already installed in the system (WMI).
- The Powershell Console (installed by default in Windows Server 2008 R2 and Windows 7. Available from Windows XP SP2).
- A series of basic checks “by default”, though they could be deleted or customized.
- An “Open” interface (Pandora's one, as extension of the administration section) to specify SQL free queries.
- The system, that is integrated with the Windows agent.

It is important to mention that the ICMP monitoring plugin could be used to collect information of numerical kind (to get the latencies of the different hosts), or boolean (to get their status, active or not).

3 REQUIREMENTS

The requirements that are necessary in order the monitoring works right are the following ones:

- To install the Pandora FMS agent in version 3.2.1 or higher.
- A Powershell console to execute the plugin. It comes installed by default in Windows Server 2008 R2 and Windows 7 systems, but it should be downloaded for Windows previous versions. Powershell isn't compatible with Windows XP SP1 or lower versions.
- It is necessary that the user with which the Pandora FMS is executed, that is the user that will execute the plugin, has got the following system permissions:
 - Local Administrator.
- The Powershell scripts execution policy should be fixed as RemoteSigned or lower:

```
Set-ExecutionPolicy RemoteSigned
```

- Right configuration of the connections in order that the Pandora software agent could connect against the host to monitor.

4 COMPATIBILITY MATRIX

The agent compatibility matrix is the following:

Systems where it has been tested	<ul style="list-style-type: none"> • Windows Server 2003 • Windows Server 2008
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Sistemas where it should work	<ul style="list-style-type: none"> • Same system or higher
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5 GENERATED SOFTWARE AGENTS MODULES

The plugin in question could automatically get the latency information of all the hosts that we have specified in a list in the hosts.txt file and it will generate one module for each one and for each check selected in Pandora (Host Alive – Host, Host Latency – Host or both). It could also get it only from a single host, both with both checks or with only one in one execution.

As a new thing, the plugin allows also to perform as an script that returns when output an unique value, for a single IP and for a single check. And it will be possible to include it as a single module using the module_exec parameter in the Pandora agent configuration file.