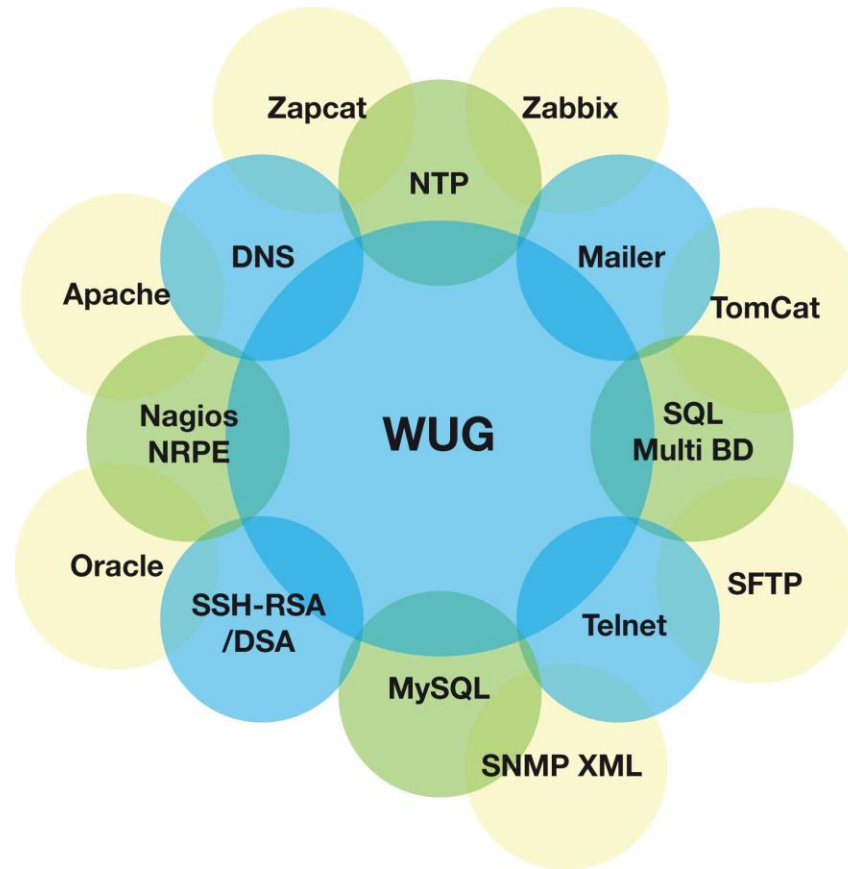
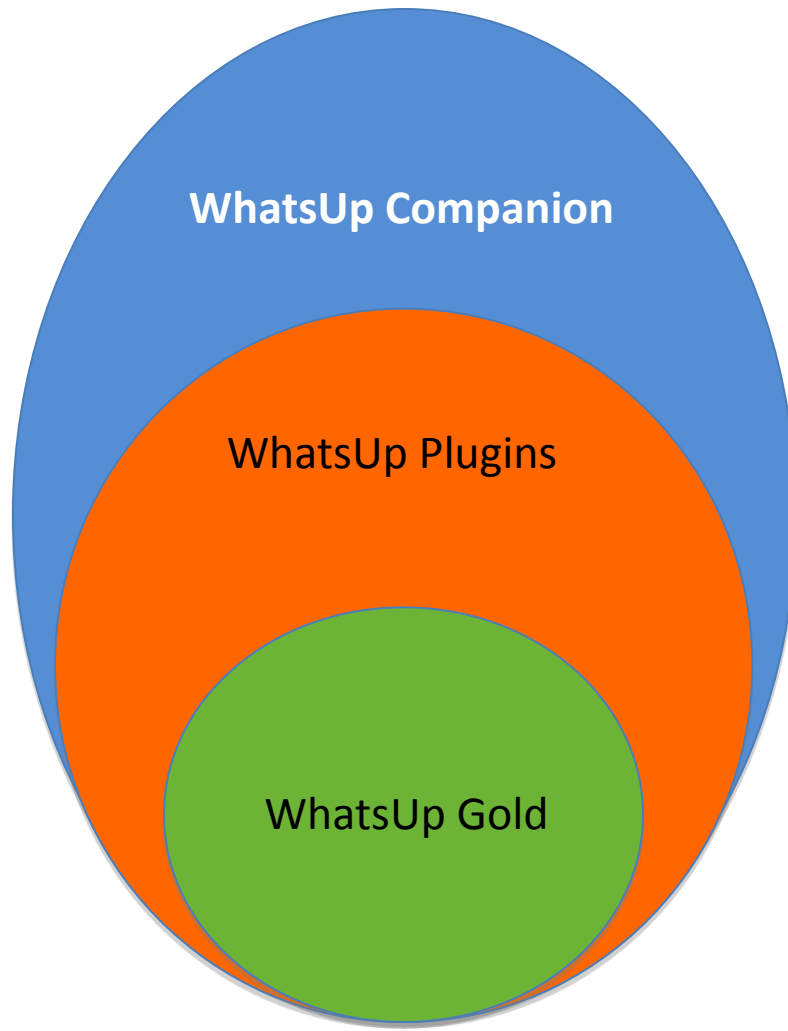


WhatsUp Gold / WhatsUp Companion

15 additional plugins for WhatsUp





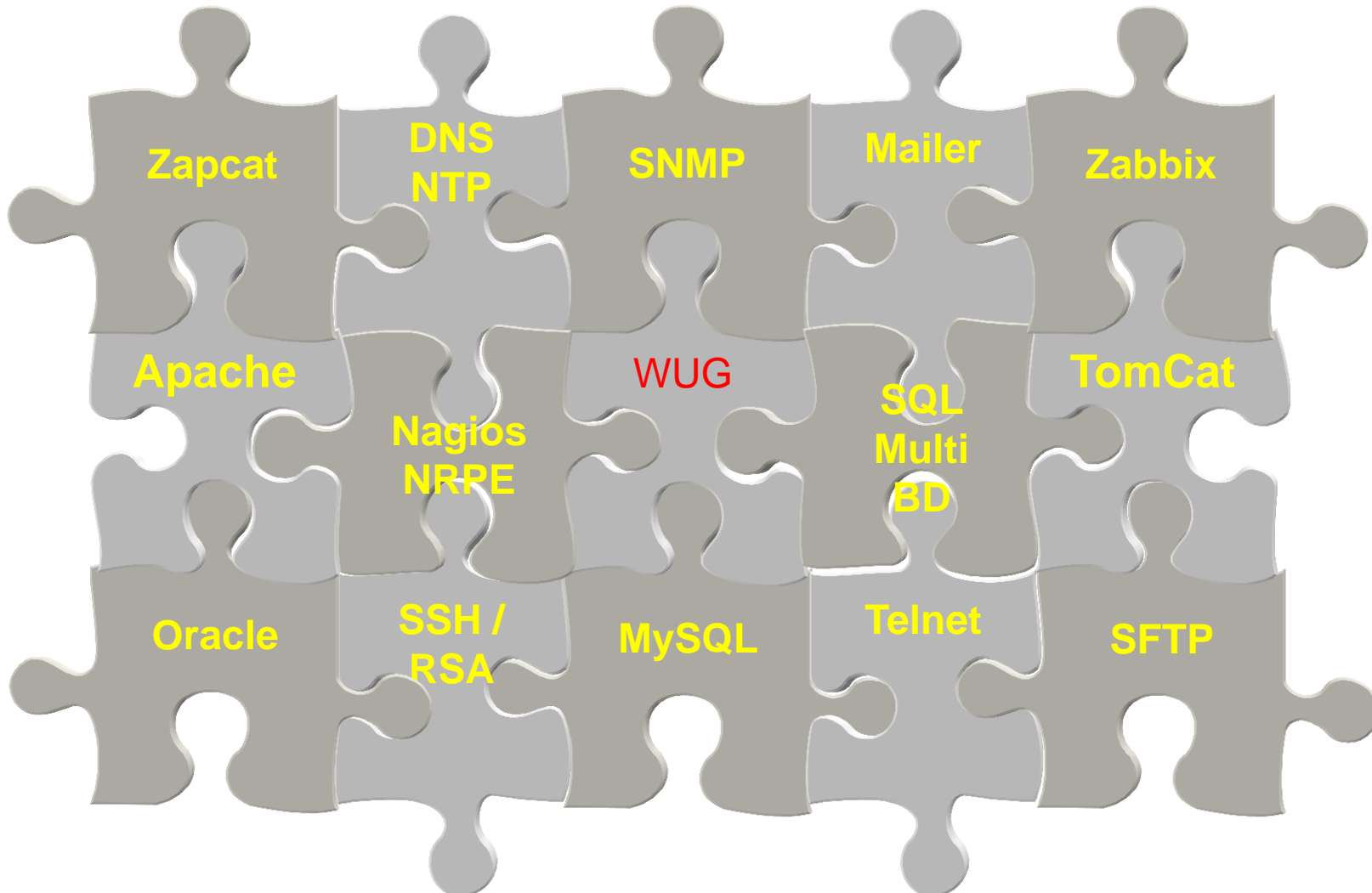
WhatsUp Companion

- Aim to follow customer's needs
- Increase WhatUp potential through engineering

- Flow Monitor
Flow Publisher
VoIP Monitor
Whats Configured
Whats Connected
Whats Virtual
Failover Manager

- Standard Edition
Premium Edition
Distributed Edition

WhatsUp Companion



Oracle Plugins



Configuration Dialog for the Oracle Active Monitor

Plug-In parameters

Name:

Description:

Oracle Connection Parameters

User: Password:

Port: Instance:

Oracle Variables

	Value	Set the Host down if...
<input checked="" type="checkbox"/>	Bytes Received (in KB/s)	> 1000
<input checked="" type="checkbox"/>	Bytes Sent (in KB/s)	> 1000
<input checked="" type="checkbox"/>	Connection Time (in ms)	> 250
<input checked="" type="checkbox"/>	Instance Used Space (in MB)	> 3500
<input checked="" type="checkbox"/>	Logical Reads (in KB/s)	> 1000
<input checked="" type="checkbox"/>	Number of Invalid Objects	> 2
<input checked="" type="checkbox"/>	Number of Active Sessions	> 5

Configure...

User defined SQL Query (Down if ...)

Use the User-defined SQL Query

SQL Query:

Comparison: Numerical comparison

SQL Result:

Use In Discovery

Log the result in Activity Logs

Save Debug Information into a File

Powered By **ORACLE**

OK Cancel Help

(C) 2008-2009 Orsenna - License required - All rights reserved

• Description

It allows the monitoring of an Oracle Database instance through a direct connection using the listener. It allows to compare the return value of a bunch of different performance counter, and to execute a custom SQL query to compare the result using a threshold.

Mysql Plugins



Configuration Dialog for the MySQL Active Monitor

Plug-In parameters

Name:

Description:

MySQL Connection Parameters

User: Password:

Port:

MySQL Variables

	Value	Set the Host down if...
<input checked="" type="checkbox"/>	Aborted Clients	> 5
<input checked="" type="checkbox"/>	Aborted Connects	> 5
<input checked="" type="checkbox"/>	Bytes Received (in KB/s)	> 100
<input checked="" type="checkbox"/>	Bytes Sent (in KB/s)	> 100
<input checked="" type="checkbox"/>	Connection Time (in ms)	> 250
<input type="checkbox"/>	Custom Database(s) Size	0 custom database(s)
<input checked="" type="checkbox"/>	Table Locks Waited Percentage (in %)	> 20

Configure...

User defined SQL Query (Down if ...)

Use the User-defined SQL Query

SQL Query:

Comparison: Numerical comparison

SQL Result:

Use In Discovery

Log the result in Activity Logs

Save Debug Information into a File

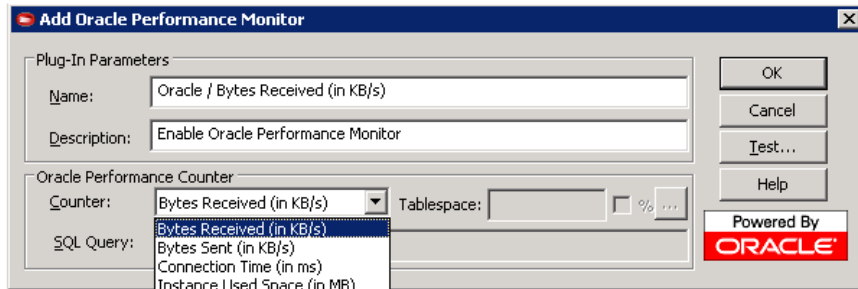
OK Cancel Help

(C) 2008 Orsenna - License required - All rights reserved

• Description

It allows the monitoring of a MySQL Database through a direct connection. It allows to compare the return value of a bunch of different performance counter, and to execute a custom SQL query to compare the result using a threshold.

Performance Monitor – Oracle – MySQL - Telnet



Add Oracle Performance Monitor

Plug-In Parameters

Name: Oracle / Bytes Received (in KB/s)

Description: Enable Oracle Performance Monitor

Oracle Performance Counter

Counter: Bytes Received (in KB/s) Tablespace: % ...

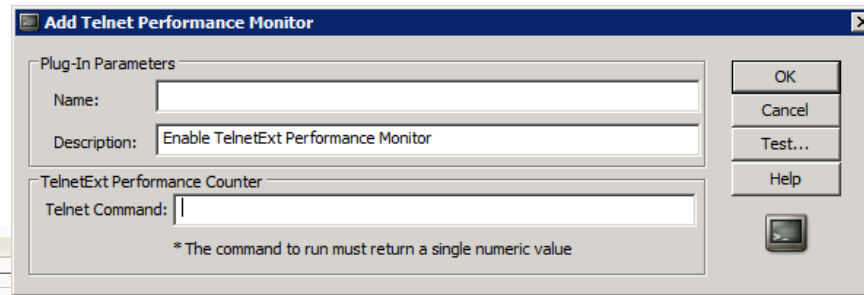
SQL Query: Bytes Received (in KB/s)

Buttons: OK, Cancel, Test..., Help

Powered By ORACLE

• Description

The Orsenna's Performance Monitor allows to gather data about the various parameters of your MySQL, Oracle and Telnet.



Add Telnet Performance Monitor

Plug-In Parameters

Name:

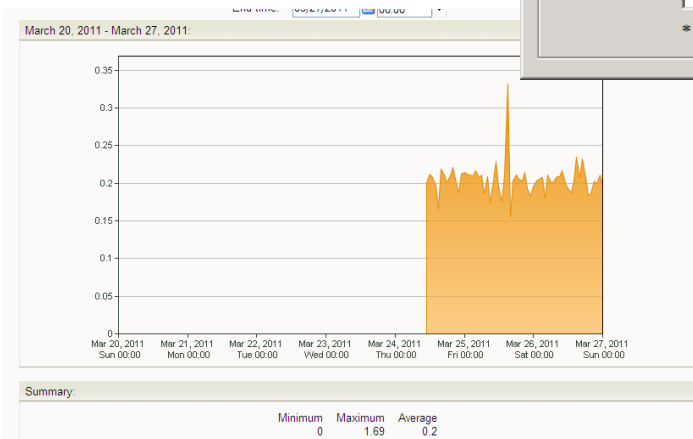
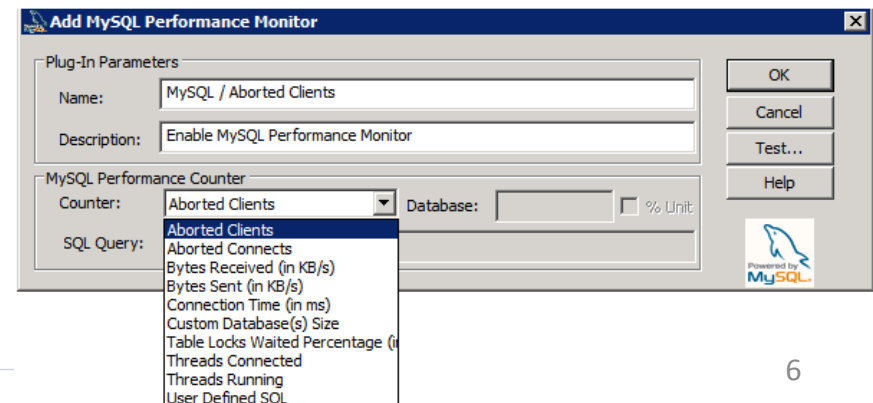
Description: Enable TelnetExt Performance Monitor

TelnetExt Performance Counter

Telnet Command:

* The command to run must return a single numeric value

Buttons: OK, Cancel, Test..., Help

Add MySQL Performance Monitor

Plug-In Parameters

Name: MySQL / Aborted Clients

Description: Enable MySQL Performance Monitor

MySQL Performance Counter

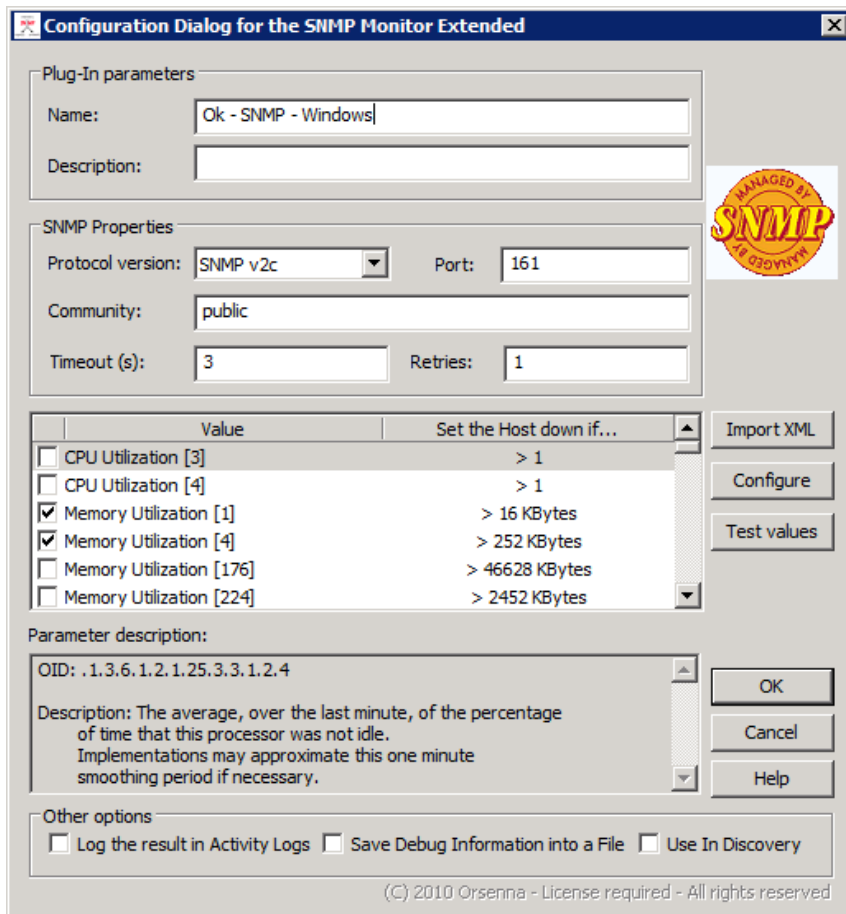
Counter: Aborted Clients Database: % Unit

SQL Query: Aborted Clients

Buttons: OK, Cancel, Test..., Help

Powered By MySQL

SNMP Monitor Extended



Configuration Dialog for the SNMP Monitor Extended

Plug-In parameters

Name:

Description:

SNMP Properties

Protocol version: Port:

Community:

Timeout (s): Retries:

	Value	Set the Host down if...
<input type="checkbox"/>	CPU Utilization [3]	> 1
<input type="checkbox"/>	CPU Utilization [4]	> 1
<input checked="" type="checkbox"/>	Memory Utilization [1]	> 16 KBytes
<input checked="" type="checkbox"/>	Memory Utilization [4]	> 252 KBytes
<input type="checkbox"/>	Memory Utilization [176]	> 46628 KBytes
<input type="checkbox"/>	Memory Utilization [224]	> 2452 KBytes

Parameter description:

OID: .1.3.6.1.2.1.25.3.3.1.2.4

Description: The average, over the last minute, of the percentage of time that this processor was not idle. Implementations may approximate this one minute smoothing period if necessary.

Other options

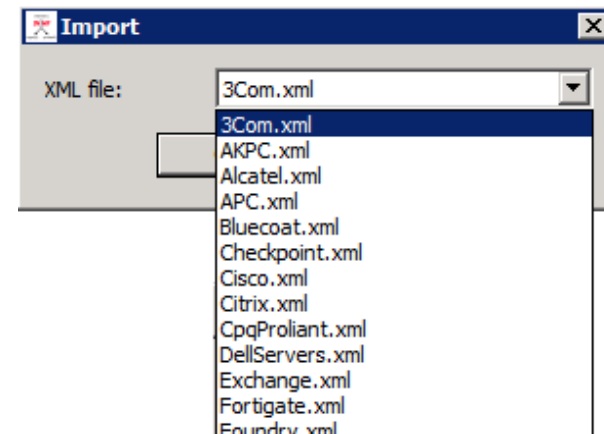
Log the result in Activity Logs Save Debug Information into a File Use In Discovery

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• Description

The Orsenna's SNMP Monitor Extended allows monitoring every device with SNMP. The main advantage of this plug-in is the presence of a lot of templates. To make easier the utilization of this plug-in, we predefined values for each type of device (Dell, Cisco, HP....).

You could create your own template.



Import

XML file:

- 3Com.xml
- AKPC.xml
- Alcatel.xml
- APC.xml
- Bluecoat.xml
- Checkpoint.xml
- Cisco.xml
- Citrix.xml
- CpqProliant.xml
- DellServers.xml
- Exchange.xml
- Fortigate.xml
- Foundrv.xml

SQL MultiDB Query Monitor


Configuration Dialog for the SQL MultiDB Query Monitor

Plug-In parameters

Name:

Description:

SQL Connection Parameters

Server type: 

DataBase Name: Port (optional):

User: Password:

	Value	Set the Host down if...
<input checked="" type="checkbox"/>	Connection Time (in ms)	> 250
<input type="checkbox"/>	Bytes Received (in KB/s)	< 3000000
<input type="checkbox"/>	Bytes Sent (in KB/s)	> 1000
<input type="checkbox"/>	Instance Used Space (in MB)	> 3500
<input type="checkbox"/>	Logical Reads (in KB/s)	> 1000
<input type="checkbox"/>	Number of Invalid Objects	> 2
<input checked="" type="checkbox"/>	Number of Active Sessions	> 25
<input checked="" type="checkbox"/>	Opened Cursors Current	> 450

Buttons:

SQL Query (Down if...)

SQL query:

Comparison: Numerical comparison

SQL Result:

Log the result in Activity Logs
 Save Debug Information into a File

Buttons:

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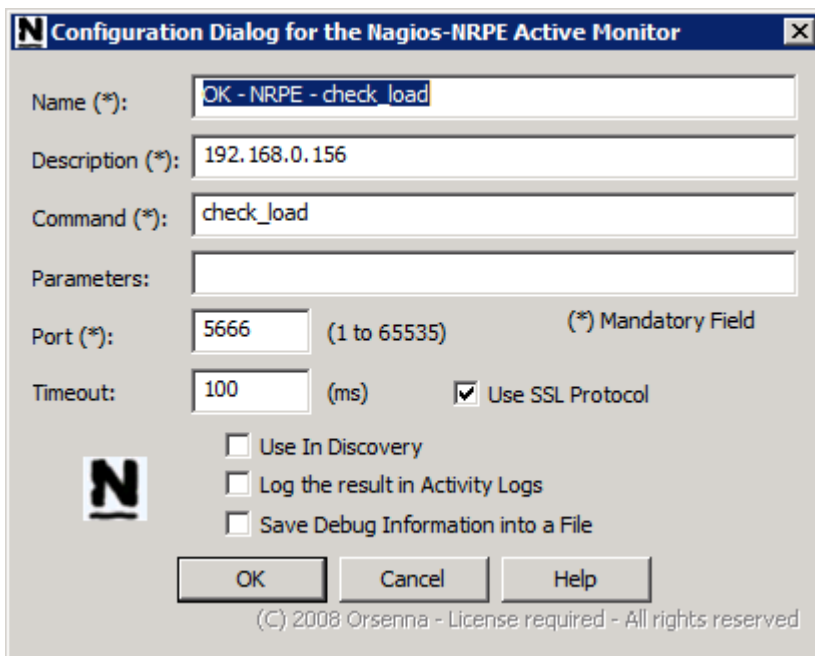
• Description

The Orsenna's SQL MultiDB Query Monitor plug-in allows the monitoring of different types of database like Mysql, PostgreSQL, DB2, Oracle, Sybase and Informix. With this plug-in we could execute a custom SQL query to compare the result using a threshold.



Nagios Plugins

Nagios®



N Configuration Dialog for the Nagios-NRPE Active Monitor

Name (*):

Description (*):

Command (*):

Parameters:

Port (*): (1 to 65535) (*) Mandatory Field

Timeout: (ms) Use SSL Protocol

Use In Discovery

Log the result in Activity Logs

Save Debug Information into a File

(C) 2008 Orsenna - License required - All rights reserved

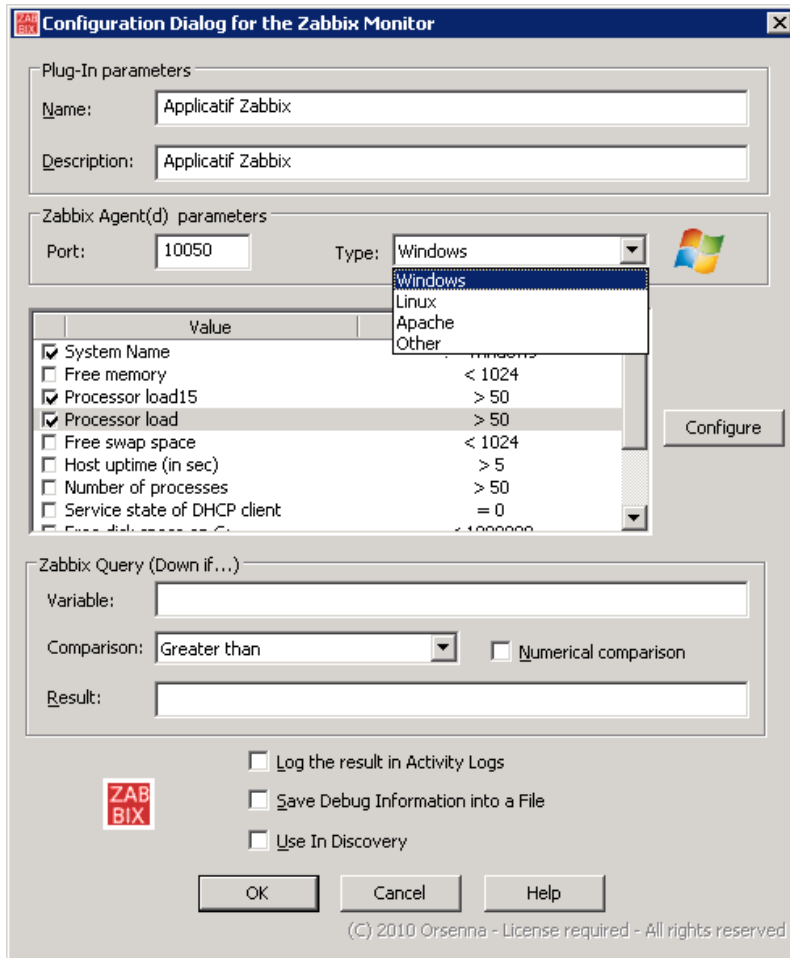
• Description

The NRPE Monitor allows to check values gathered by a Nagios NRPE agent installed on a client device. It is able to talk with both NRPE and NRPE_NT agents

• Examples

- *Check_load*
- *Check_mem*
- *Check_procs*
- *Check_swap*

Zabbix Monitor



• Description

The Orsenna's Zabbix Monitor allows monitoring Windows, Linux, Apache... This module allows a server administrator to find out how well their server is performing. To use this active monitor we use an agent installed on a client device. We predefined values for each type of system but you could use your own Zabbix query if you have other.



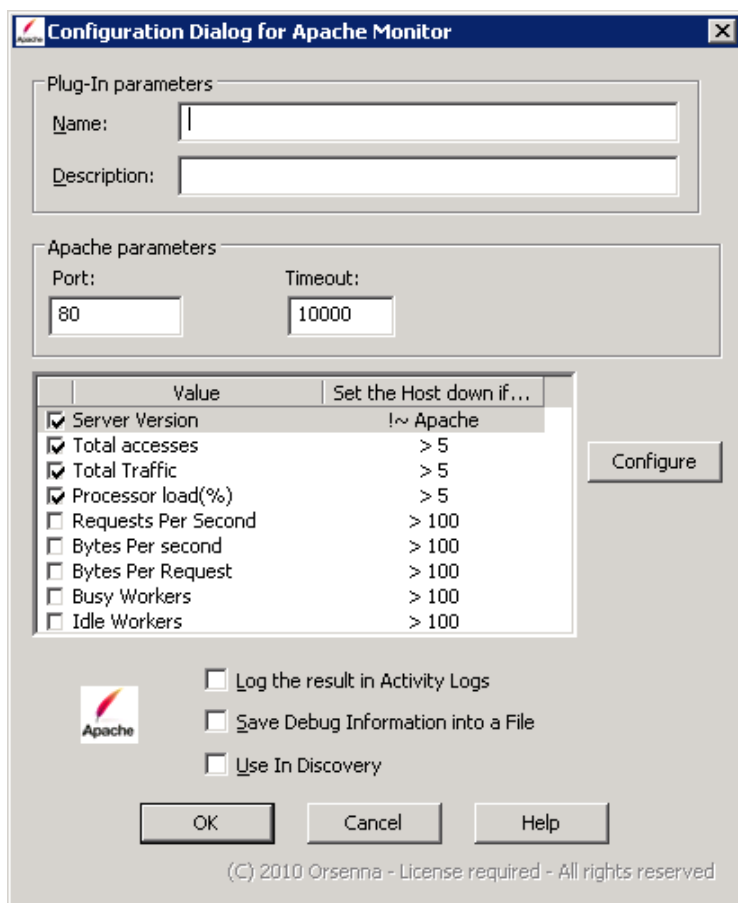
Apache Monitor



Apache

• Description

The Orsenna's Apache Monitor allows monitoring Apache server. This module allows a server administrator to find out how well their server is performing. It uses port 80 (http). To make easier the utilization of this plug-in, we predefined values (Server version, Total accesses, Total Traffic...).



Configuration Dialog for Apache Monitor

Plug-In parameters

Name:

Description:

Apache parameters

Port: Timeout:

	Value	Set the Host down if...
<input checked="" type="checkbox"/> Server Version		!~ Apache
<input checked="" type="checkbox"/> Total accesses		> 5
<input checked="" type="checkbox"/> Total Traffic		> 5
<input checked="" type="checkbox"/> Processor load(%)		> 5
<input type="checkbox"/> Requests Per Second		> 100
<input type="checkbox"/> Bytes Per second		> 100
<input type="checkbox"/> Bytes Per Request		> 100
<input type="checkbox"/> Busy Workers		> 100
<input type="checkbox"/> Idle Workers		> 100

Log the result in Activity Logs

Save Debug Information into a File

Use In Discovery

OK Cancel Help

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TomCat Monitor



Configuration Dialog for Tomcat Monitor

Plug-In parameters

Name:

Description:

Tomcat parameters

Login: Password:

Port: Timeout:

	Value	Set the Host down if...
<input type="checkbox"/>	JVM Free memory(MB)	> 0
<input type="checkbox"/>	JVM Total memory(MB)	> 0
<input type="checkbox"/>	JVM Max memory(MB)	> 0
<input type="checkbox"/>	http Max threads	> 0
<input type="checkbox"/>	http Current thread count	> 0
<input type="checkbox"/>	http Current thread busy	> 0
<input type="checkbox"/>	http Max processing time(ms)	> 0

Default...
Customize...
Configure

Log the result in Activity Logs
 Save Debug Information into a File
 Use In Discovery

OK Cancel Help

(C) 2010 Orsenna - License required - All rights reserved

• Description

The Orsenna's TomCat Monitor allows monitoring TomCat server. This module allows a server administrator to find out how well their server is performing. It uses port 8080. To make easier the utilization of this plug-in, we predefined values (Free Memory, Total memory...).

Tomcat connection settings

Fill the following Tomcat connection parameters

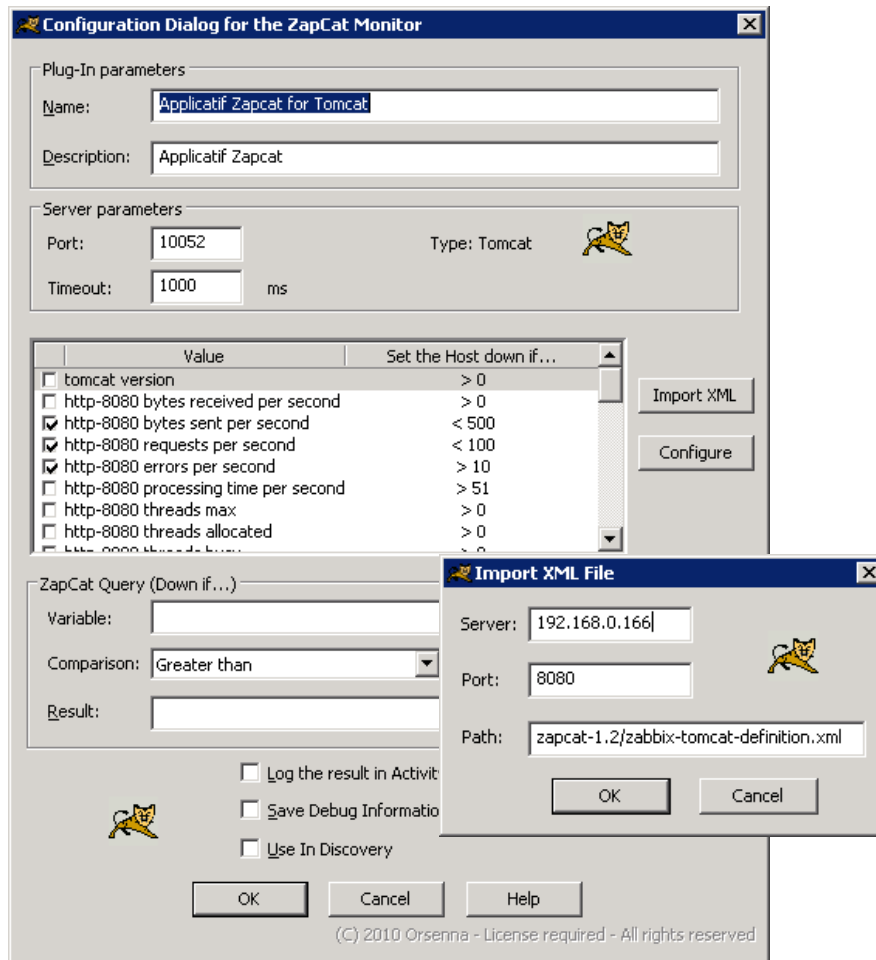
Host or IP Address: Port:

User: Password:

Path:

OK Cancel

Zapcat Monitor


Configuration Dialog for the ZapCat Monitor

Plug-In parameters

Name:

Description:

Server parameters

Port: Type: Tomcat 

Timeout: ms

	Value	Set the Host down if...
<input type="checkbox"/>	tomcat version	> 0
<input type="checkbox"/>	http-8080 bytes received per second	> 0
<input checked="" type="checkbox"/>	http-8080 bytes sent per second	< 500
<input checked="" type="checkbox"/>	http-8080 requests per second	< 100
<input checked="" type="checkbox"/>	http-8080 errors per second	> 10
<input type="checkbox"/>	http-8080 processing time per second	> 51
<input type="checkbox"/>	http-8080 threads max	> 0
<input type="checkbox"/>	http-8080 threads allocated	> 0
<input type="checkbox"/>	http-8080 threads busy	> 0

ZapCat Query (Down if...)

Variable:

Comparison:

Result:

Log the result in Activit

Save Debug Informatio

Use In Discovery

OK Cancel Help

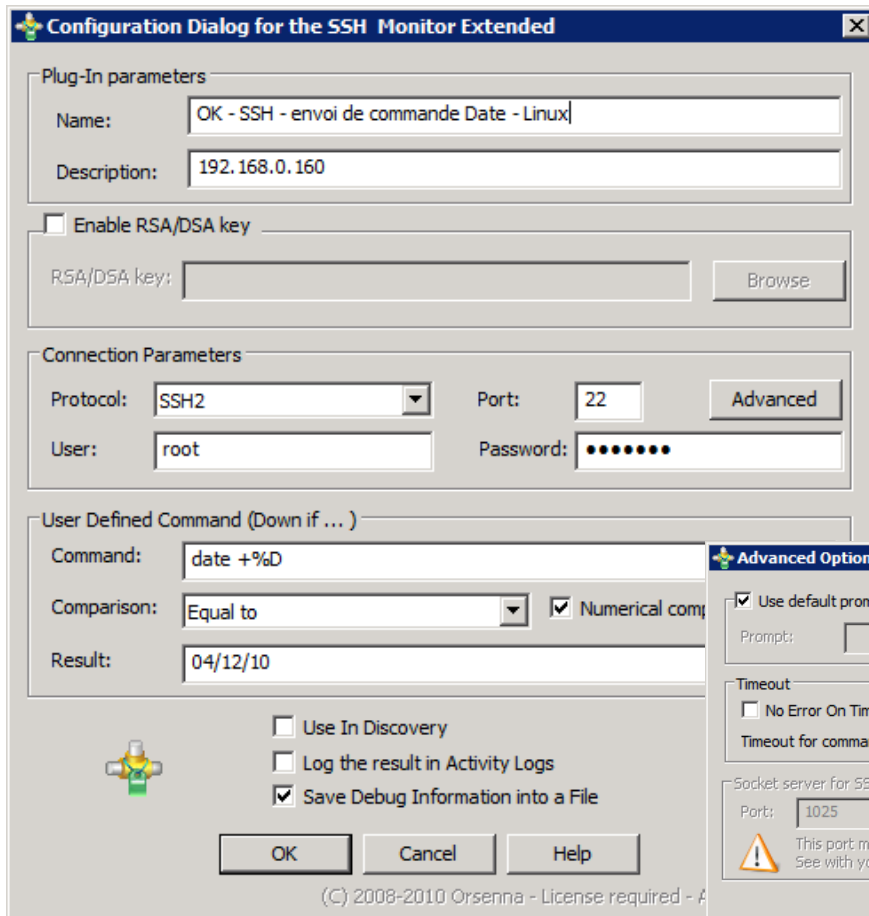
(C) 2010 Orsenna - License required - All rights reserved

• Description

Orsenna's Zapcat Monitor allows monitoring JMX applications. We use an agent which uses port 10052 (Zapcat).

Zapcat is a bridge between the JMX management API inside Java applications and the monitoring tool. This allows system administrators to retrieve JMX management data such as memory use or garbage collection counts. This information is queried directly on Java applications. Think of it as SNMP for Java applications.

SSHExt Monitor



Configuration Dialog for the SSH Monitor Extended

Plug-In parameters

Name: OK - SSH - envoi de commande Date - Linux

Description: 192.168.0.160

Enable RSA/DSA key

RSA/DSA key: Browse

Connection Parameters

Protocol: SSH2 Port: 22 Advanced

User: root Password: ●●●●●●

User Defined Command (Down if ...)

Command: date +%D

Comparison: Equal to Numerical comparison

Result: 04/12/10

Use In Discovery

Log the result in Activity Logs

Save Debug Information into a File

OK Cancel Help

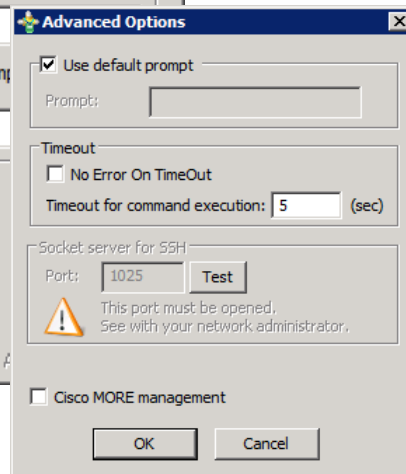
(C) 2008-2010 Orsenna - License required - A

- **RSA and DSA Key**

Compatible with OpenSSH and Putty keys

- **More comparison options**

Greater than, Smaller than, Equal to, no more equal to



Advanced Options

Use default prompt

Prompt:


Timeout

No Error On TimeOut

Timeout for command execution: 5 (sec)

Socket server for SSH

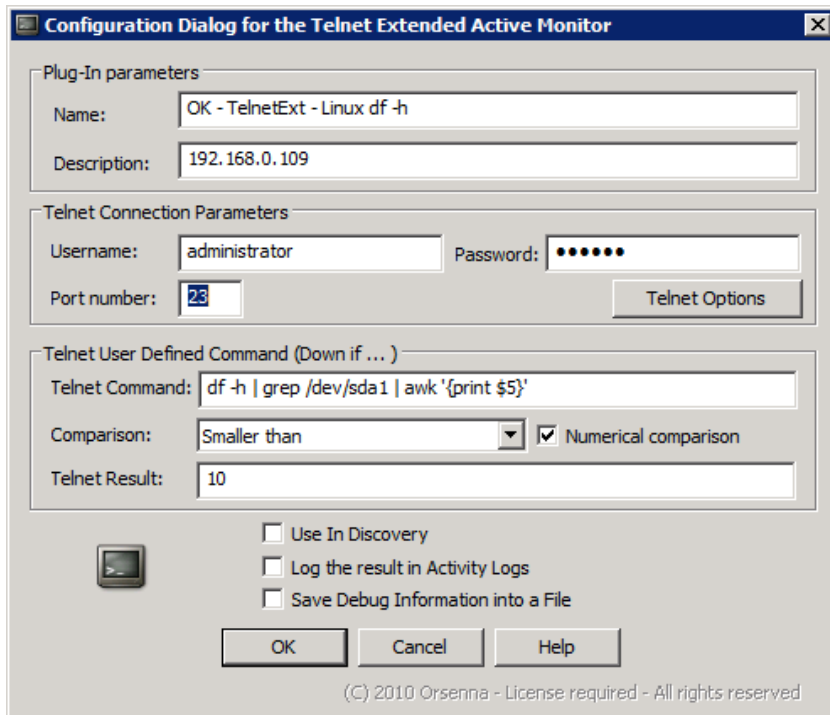
Port: 1025 Test

 This port must be opened, see with your network administrator.

Cisco MORE management

OK Cancel

TelnetExt Monitor



Configuration Dialog for the Telnet Extended Active Monitor

Plug-In parameters

Name:

Description:

Telnet Connection Parameters

Username: Password:

Port number:

Telnet User Defined Command (Down if ...)

Telnet Command:

Comparison: Numerical comparison

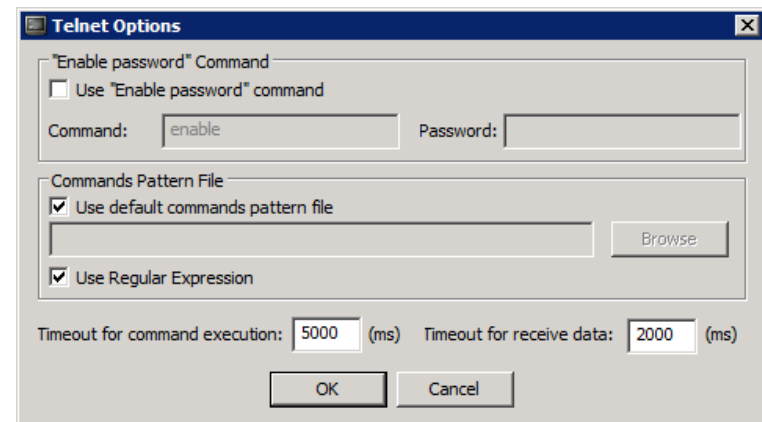
Telnet Result:

Use In Discovery
 Log the result in Activity Logs
 Save Debug Information into a File

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• Description

The Orsenna's telnet plug-in allows the execution of a command on a remote server with Telnet access. It allows to compare the return value of the command to a threshold, and to then trigger an action to alert the WhatsUp administrator.



Telnet Options

"Enable password" Command

Use "Enable password" command

Command: Password:

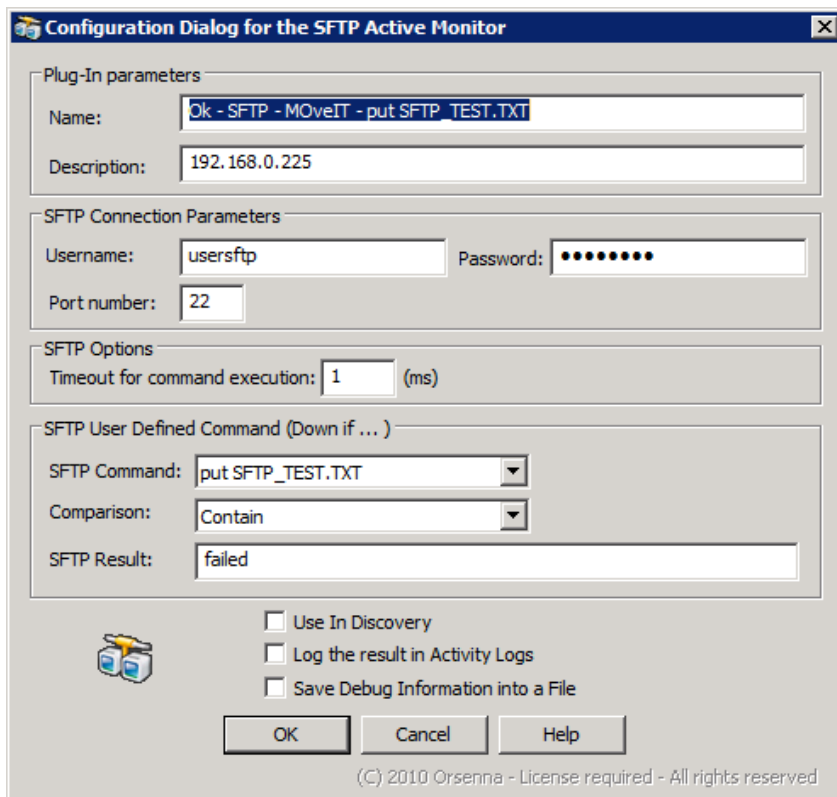
Commands Pattern File

Use default commands pattern file

Use Regular Expression

Timeout for command execution: (ms) Timeout for receive data: (ms)

SFTP Monitor



Configuration Dialog for the SFTP Active Monitor

Plug-In parameters

Name:

Description:

SFTP Connection Parameters

Username: Password:

Port number:

SFTP Options

Timeout for command execution: (ms)

SFTP User Defined Command (Down if ...)

SFTP Command:

Comparison:

SFTP Result:

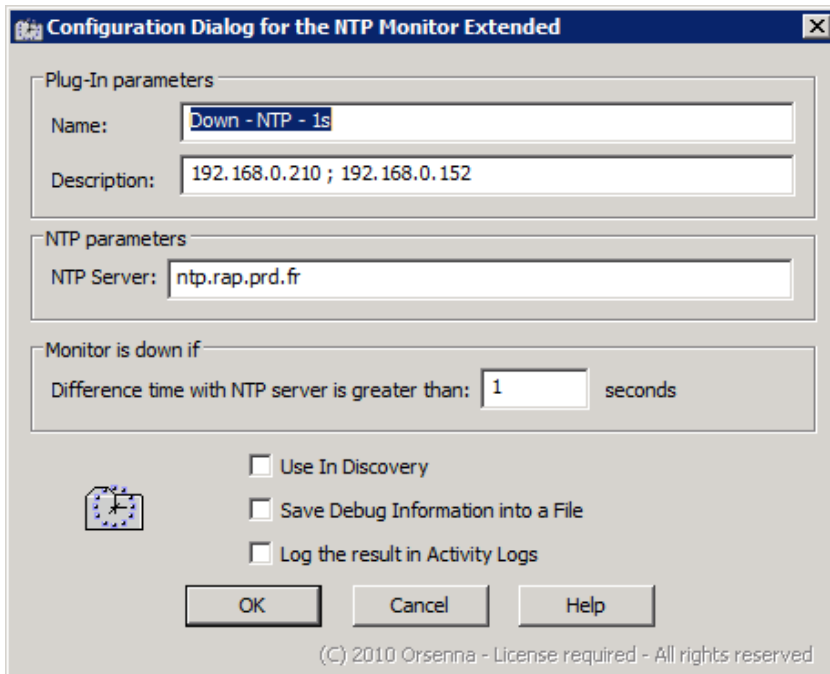
Use In Discovery
 Log the result in Activity Logs
 Save Debug Information into a File

(C) 2010 Orsenna - License required - All rights reserved

• Description

The Orsenna's SFTP plug-in allows the execution of a command on a remote SFTP server with standard commands like put, get, pwd, dir, ls.. It allows to compare the return value of the command to a threshold, and to then trigger an action to alert the WhatsUp administrator.

NTP Monitor Extended



Configuration Dialog for the NTP Monitor Extended

Plug-In parameters

Name:

Description:

NTP parameters

NTP Server:

Monitor is down if

Difference time with NTP server is greater than: seconds

Use In Discovery

Save Debug Information into a File

Log the result in Activity Logs

(C) 2010 Orsenna - License required - All rights reserved

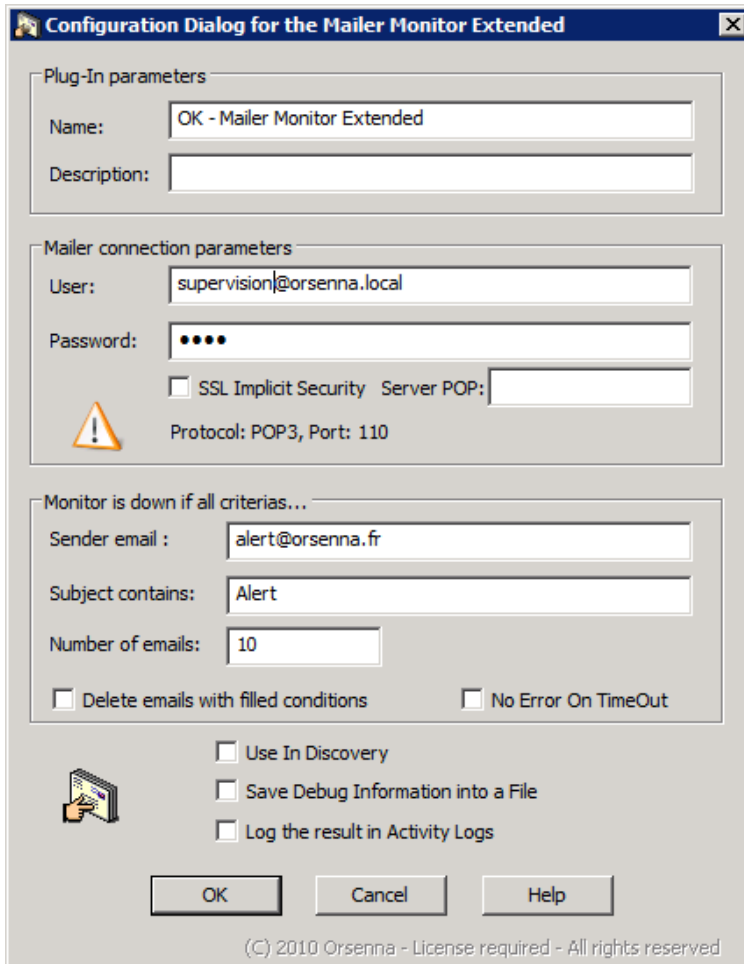
- **Description**

It allows comparing the time between the NTP server time and the local computer time.

- **Why ?**

Without a clock synchronization, some network services couldn't work correctly or with problems (Network transfer, data save, video-conference in real-time...)

Mailer Monitor Extended



Configuration Dialog for the Mailer Monitor Extended

Plug-In parameters

Name:


Description:

Mailer connection parameters

User:

Password:

SSL Implicit Security Server POP:

 Protocol: POP3, Port: 110

Monitor is down if all criterias...

Sender email :

Subject contains:


Number of emails:

Delete emails with filled conditions No Error On TimeOut

Use In Discovery

Save Debug Information into a File

Log the result in Activity Logs



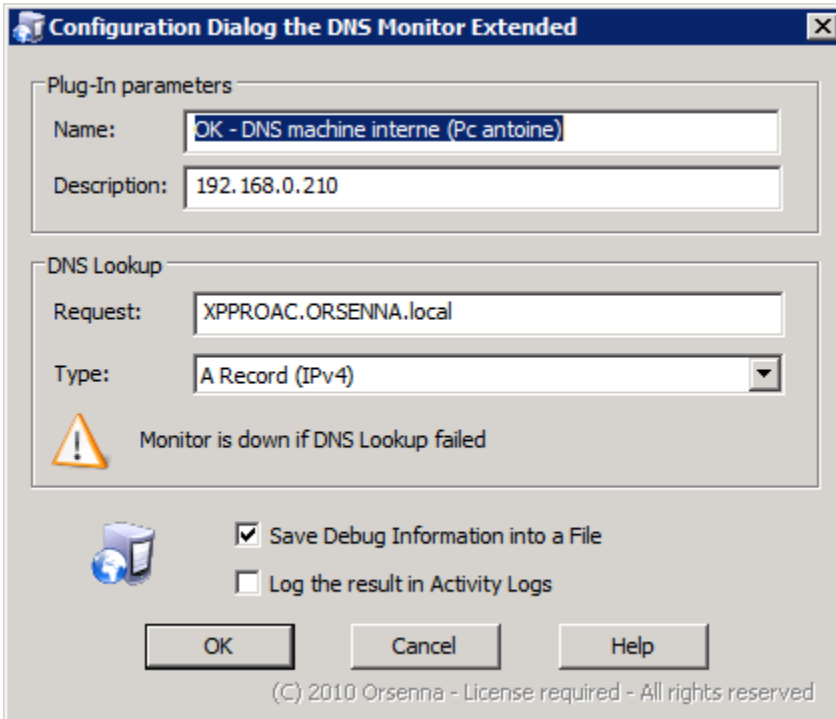
OK Cancel Help

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- **Description**

It allows to analyze Email for a specific account and return an alert according to the parameters (sender, subject contains and number).

DNS Monitor Extended



Configuration Dialog the DNS Monitor Extended

Plug-In parameters

Name: OK - DNS machine interne (Pc antoine)

Description: 192.168.0.210

DNS Lookup

Request: XPPROAC.ORSENNA.local

Type: A Record (IPv4)

⚠ Monitor is down if DNS Lookup failed

Save Debug Information into a File

Log the result in Activity Logs

OK Cancel Help

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- **Description**

It verifies if the DNS server is always up compared with a request (DNS lookup). You can use it to check if a computer has always its DNS server up or if your website is always up.