

SiteScope Integration Report Pack

Software Version: 1.10

HP Performance Insight 5.40

User Guide

February 2009



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- Submit and track support cases and enhancement requests
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- Manage support contracts
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- Research and register for software training

Most of the support areas require that you register as an HP Passport user and sign in. Many also require a support contract.

To find more information about access levels, go to:

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To register for an HP Passport ID, go to:

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1 Overview

This chapter covers the following topics:

- [Introducing HP Performance Insight](#)
- [SiteScope Monitors](#)
- [Data Collection](#)
- [SiteScope Integration Reports](#)
- [Data Flow from SiteScope to PI](#)
- [Options for Customizing Reports](#)
- [Sources for Additional Information](#)

Introducing HP Performance Insight

Performance Insight collects data from many sources, performs in-depth trend analysis, maintains performance baselines, and provides users with convenient, web-based reporting. Following is a partial list of product features:

- Distributed architecture
- Easy to scale (supports data collection from thousands of agents)
- CODA/PA agent support
- Multi-company security model
- Data warehousing
- Near Real Time reporting
- Forecasting
- Extensive aggregation (by hour, day, week, month; by location, by customer)
- Thresholding and alerting
- Easy identification of bottlenecks
- Easy assessment of capacity trends
- Accurate and timely documentation for management
- Integration with NNM
- Integration with HP Operations/OM

Many reporting solutions have been created for Performance Insight and new solutions are added every year. For a complete list of reporting solutions organized by technology, see [Appendix A, PI Report Packs](#).

SiteScope Monitors

SiteScope monitors are tools for connecting to and querying various kinds of systems and applications. If you are a SiteScope user, you are familiar with creating monitor types instances and using these instances to monitor specific elements in your IT infrastructure. For example, you could create 100 monitor instances that instruct the CPU Monitor type to connect to and measure CPU utilization on remote servers. Each monitor instance contains a setting that determines which remote server to monitor and how often. If you are a SiteScope user, you also know that a monitor instance belongs to a group container, and the group container may be nested within other group containers as subgroups.

SiteScope has its own reporting capability. For a brief description of these reports, see [Appendix C, Reports Available from SiteScope](#).

Data Collection

The Sitescope Datapipe is the interface between the Sitescope server and the Sitescope Integration Report Pack. The Sitescope Datapipe is compatible with all versions of SiteScope from version 8.5 through version 9.0.

The Sitescope Datapipe collects availability and roundtrip time statistics from eleven monitor types. See the following table for details about the metrics collected from each Monitor Type.

SiteScope Monitor	Associated Metrics
1. DNS	Roundtrip Time
2. FTP	Roundtrip Time
3. LDAP	Roundtrip Time
4. MAPI	Roundtrip Time
5. Mail	Roundtrip Time Status Content match Send time Receive time
6. URL	Response time Download time Connect time
7. URL Content	DNS time Response time Download time Connect time
8. URL List	Duration Errors

SiteScope Monitor	Associated Metrics
9. URL Sequence	Status Roundtrip time
10. Web Server	Hits Bytes transferred Hits/min Bytes/min
11. Web Service	Status Roundtrip time



The Web Server monitor does not collect roundtrip time statistics; in reports, the value for roundtrip time will always be zero.

Data Flow from SiteScope to PI

The Sitescope Datapipe retrieves data from SiteScope, executes data parsing, loads data into the datapipe tables, initializes required information, and then transfers the data to database tables maintained by the SiteScope Integration Report Pack. Data in report pack base tables undergoes further processing. The following sequence of events describes how data reaches PI and what happens after it reaches PI:

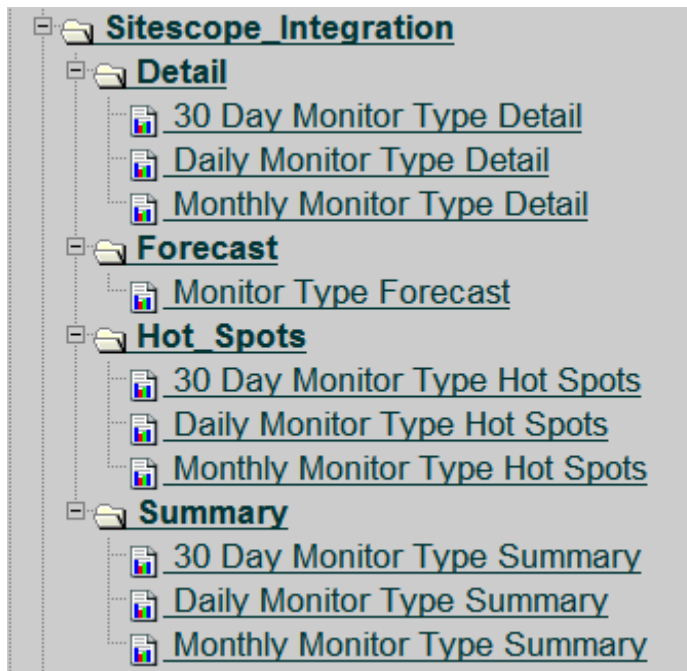
- 1 The SiteScope server populates monitor logs.
- 2 The SiteScope server zips the log file.
- 3 The Sitescope Datapipe FTP's the zip file and the .mg file to Performance Insight.
- 4 A preprocessor built into the Sitescope Datapipe performs these steps:
 - Unzips the log file
 - Analyzes the contents of the file
 - Deletes unwanted data
 - Creates a .dat file
- 5 ee_collect reads the .dat file and populates rate tables owned by the Sitescope Datapipe.
- 6 A stored procedure (SitescopeDP_Set_IDs. sql) creates the following relationships:

Monitor Instance > Monitor Type > Group > Sitescope server
- 7 The Sitescope Datapipe maps data from rate tables to the following property tables:
 - K_Node (Common Property Table)
 - K_Sitescope_Group (base table)
 - K_Sitescope_MonitorType (base table)
 - K_Sitescope_MI (base table)
- 8 The report pack instructs PI to create hourly summarizations per Monitor Instance and Monitor Type.

- 9 The report pack instructs PI to create a daily summarization per Monitor Instance and Monitor Type.
- 10 The report pack instructs PI to update the 30-day rolling baseline per Monitor Instance and Monitor Type.
- 11 The report pack instructs PI to create a monthly summarization per Monitor Instance and Monitor Type.

SiteScope Integration Reports

Including the launch point page, there are 11 reports in the SiteScope Integration Report Pack. See below for a list of report folders and reports.



This report pack includes daily reports, monthly reports, and 30-day reports. In a daily report, you select a day from a list of seven days that begins with yesterday. In a monthly report, you select a month beginning with the previous calendar month. In a 30-day report there is no time period to select; the time period is fixed at “previous 30 days.”

Every report includes statistics for availability and round trip time. Availability refers to the status of the Monitor Instance. If the monitor log indicates that the status of the Monitor Instance is **Good**, the Monitor Instance is available; if the monitor log indicates that the status is **Warning**, **Error**, or **nodata**, the Monitor Instance is unavailable. Roundtrip time is calculated as follows:

$$\text{RoundtripTime} = \text{request time} + \text{response time} + \text{download time (if applicable)}$$

The following table outlines the objectives of the reports in each folder:

Folder	Function of Reports
Detail	Drill down server > group > monitor type > monitor instance and view availability and round trip time statistics per monitor instance.
Forecast	Drill down server > group > monitor type and view a forecast of availability and round trip time derived from a 30-day rolling baseline.
Hot Spots	Drill down server > group > monitor type and view a list a list of monitor types ranked by availability, worst to best, and roundtrip time, slowest to fastest.
Summary	Drill down server > group > monitor type and see availability and round trip time statistics aggregated at the monitor type level.

Options for Customizing Reports

Reports can be customized by applying group filters, by applying constraints, and by editing tables and graphs. While creating group filters is usually a task for an administrator, any user looking at a report can apply constraints, edit tables, and edit graphs.

Group Filters

If you want to share reports with customers, you must produce customer-specific reports. To produce customer-specific, do this:

- Create a group account for all of the users affiliated with each customer
- Create a group filter for the group account

For more information group filters, refer to the *PI Administration Guide*.

Applying Constraints

Editing a parameter applies a constraint. The constraint eliminates the data you are not interested in seeing. If you edit the Customer Name parameter, data for every customer except the customer you entered in the Customer Name field drops from the report. You can apply multiple constraints at the same time. SiteScope Integration supports the following parameters:

- Server
- Group
- Type
- Monitor



Not every report supports all four parameters.

If you are using the Web Access Server to view reports, edit parameters by clicking the **Edit Parameters** icon at the bottom right-hand corner of the report. When the Edit Parameters window opens, enter the constraint in the field and click **Submit**.

If you are using Report Viewer, select **Edit > Parameter Values** from the menu bar. When the Modify Parameter Values window opens, click the **Current Value** field. Type a new value and click **OK**.

Sources for Additional Information

The following documents contain additional information:

- *SiteScope Integration Report Pack 1.10, Release Notes, February 2009*
- *PI Report Packs, CD-ROM Release Notes, February 2009*

Manuals for PI and the reporting solutions that run on PI can be downloaded from the following site:

<http://h20230.www2.hp.com/selfsolve/manuals>

Select **Support > Product Manuals** to reach the HP Software Product Manuals page. The user guides for the core product are listed under **Performance Insight**. The user guides for report packs, datapipes, and shared packages are located under **Performance Insight Report Packs**. Each manual indicates a date. If a manual is revised and reposted, the date will change.

2 Package Installation

This chapter covers the following topics:

- [Guidelines for a Smooth Install](#)
- [Installing SiteScope Integration](#)
- [Configuring the Built-In Preprocessor](#)
- [Finding the Reports You Deployed](#)
- [Troubleshooting](#)
- [Uninstalling SiteScope Integration](#)

Guidelines for a Smooth Install

The Report Pack CD-ROM contains report packs, datapipes, and several “shared packages” including Common Property Tables. When you insert the CD-ROM in the drive and launch the package extraction program, the install script on the CD extracts every package from the CD and copies the results to the Packages directory on your system. When the extract finishes, the install script prompts you to launch HP Performance Insight and start Package Manager. Before using Package Manager, review the following guidelines.

Prerequisites for Installation

The SiteScope Integration Report Pack has a combination of core product requirements and package level requirements. The core product requirements are:

- Performance Insight 5.40 or later
- Any and all service packs available for PI 5.40
- Oracle or Sybase
- SiteScope server running Sitescope 8.5 or higher, including 9.0

Upgrading Common Property Tables

If you are running an earlier version of Common Property Tables, you must upgrade that package to version 3.90 (see [Upgrade to Common Property Tables 3.90](#) on page 16).

For more information about installing and using Common Property Tables, refer to the *Common Property Tables User Guide*.

Installing SiteScope Integration

Task 1: Extract Packages from the Report Pack CD

- 1 Log in to the system. On Windows systems, log in with Administrator privileges. On UNIX systems, log in as root.
- 2 Stop OVPI Timer and wait for processes to terminate.
Windows: Select Settings > Control Panel > Administrative Tools > Services.
UNIX: As root, type one of the following:
HP-UX: `sh /sbin/ovpi_timer stop`
Sun: `sh /etc/init.d/ovpi_timer stop`
- 3 Insert the Report Pack CD.
Windows: A Main Menu displays automatically.
UNIX: Mount the CD, navigate to the top-level directory for the CD drive, and run the `./setup` command.
- 4 Select Performance Insight Report Packs by typing **1** in the choice field and pressing **Enter**. The install script displays a percentage-complete bar. When extract finishes, the install script starts Package Manager. The Package Manager welcome window opens.
- 5 If you navigate to the Packages directory on your system, you will see the following folders:
 - SiteScope_Integration.ap
 - SiteScope_Datapipe.ap
 - SiteScope_Integration_Demo.apInstalling the demo package is optional.

Task 2: Upgrade to Common Property Tables 3.90

- 1 Do not install any other package with the Common Property Tables upgrade package; install the CPT upgrade package and only the CPT upgrade package.
 - 2 When prompted to accept the option to Deploy Reports, accept the default. If you do not deploy reports, the change forms will not deploy.
 - 3 When the install finishes, click **Done** to return to the Management Console.
- If you need more help with this task, refer to the *Common Property Tables User Guide*.

Task 3: Install the Report Pack and the Datapipe

- 1 If Package Manager is not running, select Package Manager from the Management Console.
- 2 Click **Next**. The Package Location window opens.
- 3 Click the Install radio button.
- 4 Approve the default installation directory or use the browse feature to select a different directory if necessary.
- 5 Click **Next**. The Report Deployment window opens.

- 6 Accept the default settings for Deploy Reports; also accept the defaults for the application server name and port.
- 7 Type the same username and password as you used on the Management Console.
- 8 Click **Next**. The Package Selection window opens.
- 9 Select the check box next to the following package names:
 - *SiteScope_Integration 1.1*
 - *SiteScope_Datapipe 1.1*
 - *SiteScope_Integration_Demo*
- 10 Click **Next**. The Type Discovery window opens. Running Type Discovery is not necessary.
- 11 The Selection Summary window opens. Verify that the contents of this window are correct.
- 12 Click **Install** to begin the installation process. The Installation Progress window opens and the install process begins. When the install process is complete, an install complete message appears.
- 13 Click **Done**.
- 14 Restart OVPI Timer.

Windows NT: Select **Settings > Control Panel > Administrative Tools > Services**

UNIX: As root, do one of the following:

HP-UX: `sh /sbin/init.d/ovpi_timer start`

Sun: `sh /etc/init.d/ovpi_timer start`

Configuring the Built-In Preprocessor

After you install the report pack and the datapipe, follow these steps to configure the preprocessor that comes with the SiteScope Datapipe.

- 1 Make sure that an FTP server exists on every SiteScope server monitored by SiteScope Integration; the FTP server must have these folders:
 - /SiteScope_Home/logs
 - /SiteScope_Home/groups
- 2 Add a script monitor to each SiteScope server. The script monitor uses the scripts provided by SiteScope Datapipe.
 - a In the SiteScope Datapipe folder, find these two files:
 - SisLogZipper.jar
 - zipLogs.bat or zipLogs.sh (depends on the SiteScope server platform)
 - b Copy the .jar file to /SiteScope_Home/bin/ folder.
 - c Copy the .bat file (or the .sh file) to the /SiteScope_Home/scripts/ folder.
- 3 Navigate to the SiteScope web site and add a new script monitor that calls the .bat (or .sh) script once every 2 hours.

- 4 Verify that the status of that monitor is **good**.
- 5 Open the `/SiteScope_Home/logs` folder on the SiteScope server and verify that a zip file is there. The file name will be similar to this:

`SiteScope2007_08_04.zip`

Configuring the SiteScope FTP Server

The ini file `sitescope_ftp_server.txt` is located here:

```
{DPIPE_HOME}/scripts/
```

This file contains details about the SiteScope FTP server. You must edit this file. The SiteScope Datapipe cannot collect data from the SiteScope server until this file is edited.

Here is an example:

```
[amazon]
server=amazon.chn.hp.com
port=21
alias=amazon.chn.hp.com
user=administrator
password=123456
logdirectory=/Sitescope_home_folder/logs
mgdirectory=/Sitescope_home_folder/groups
```

Finding the Reports You Deployed

When you installed SiteScope Integration, you deployed reports to the PI Application Server. Any report that resides on the PI Application Server can be viewed two ways:

- PI client applications
- Web browser

If you have the client applications on your system, you have access to Report Viewer, Report Builder, and the Management Console. If you do not have the client applications, using a web browser to view reports is the only way you can view reports.

For more information about the PI client applications, refer to the *HP Performance Insight Installation Guide*. For details about the Management Console, including how to use the Object/Property Management view to launch reports specific to a selected object, refer to the *HP Performance Insight Administration Guide*.

Troubleshooting

If reports are not populating with data, check the following:

- Verify that data collection is working.
- Check trend.log for error messages.
- Make sure that OVPI Timer is running.

Uninstalling SiteScope Integration

Follow these steps to uninstall SiteScope Integration. Removing the report pack automatically removes the datapipe.

- 1 Log in to the system. On UNIX systems, log in as root.
- 2 Stop OVPI Time and wait for processes to terminate.
- 3 Start Package Manager. The Package Manager welcome window opens.
- 4 Click **Next**. The Package Location window opens.
- 5 Click the Uninstall radio button.
- 6 Click **Next**. The Report Undeployment window opens.
- 7 If reports were deployed to the PI Application Server, accept the defaults for Undeploy Reports, Application Server Name, and Port. Otherwise, clear the check box and skip to step 9.
- 8 Type your username and password for the Performance Insight Application Server.
- 9 Click **Next**. The Package Selection window opens.
- 10 Click the check box next to the following packages:
 - *SiteScope_Integration.ap*
 - *SiteScope_Integration_Datapipe.ap*
 - *SiteScope_Integration_Demo*
- 11 Click **OK**.
- 12 Click **Next**. The Selection Summary window opens.
- 13 Click **Uninstall**. The Progress window opens and the removal process begins. When the uninstall process is complete, a package removal complete message appears.
- 14 Click **Done** to return to the Management Console.
- 15 Restart OVPI Timer:

Windows: Select Settings > Control Panel > Administrative Tools > Services.

UNIX: As root, type the following:

```
HP-UX: sh /sbin/ovpi_timer start
```

```
Sun: sh /etc/init.d/ovpi_timer start
```

3 Sample Reports

See below for samples of the following reports:

- 1 Launch Point
- 2 Daily Monitor Type Detail
- 3 Daily Monitor Type Summary
- 4 Daily Monitor Type Hot Spots
- 5 30-day Monitor Type Detail
- 6 30-day Monitor Type Summary
- 7 30-day Monitor Type Hot Spots
- 8 Monthly Monitor Type Detail
- 9 Monthly Monitor Type Summary
- 10 Monthly Monitor Type Hot Spots

Sitescope Integration

Launch Point

This is the Launch Point report for the Sitescope Integration package. You can click on the areas to the right and choose from sets of reports. Selecting the top level heading of a report - the package name - will always return you to this page.

The Sitescope Integration Report Pack provides detailed information about services that are critical to a successful business. It enables enterprises and service providers to monitor their services, spot problem areas and predict what performance will be like in the future.

Sitescope Integration Report Pack offers the following perspectives on availability and roundtrip time:

- Analysis of performance by day, with day-to-day comparison
- Analysis of performance by month, with month-to-month comparisons
- Analysis of performance per 30-day rolling baseline


Hot Spots reports focus on monitor types that are experiencing the worst performance. Summary reports provide an historical context for the hot spots.

Detail

Forecast

Hot Spots

Summary

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Sitescope Integration



Daily Monitor Type Detail

The Monitor Type Detail Report presents performance statistics for monitor types associated with a given server and group for the selected day. By selecting a particular probe type, the user can see performance statistics of the monitor for tests of the selected type. By selecting a server and group combination, the availability and roundtrip time for the selected monitors will be displayed for the preceding 30 days.

Server List

	amazon
	amur
	yangtze

Group List

pisidev

Day

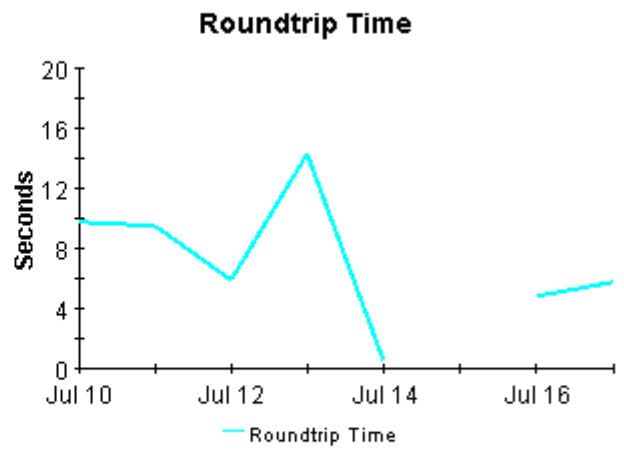
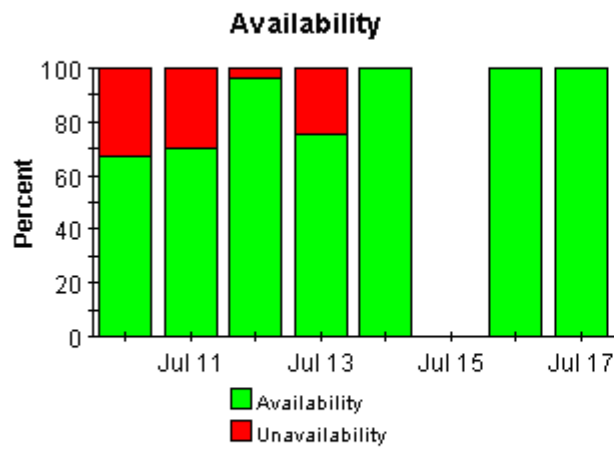
	Jul 17, 2007
	Jul 16, 2007
	Jul 14, 2007
	Jul 13, 2007
	Jul 12, 2007

Monitor Type Performance

	Monitor Type	Availability	Roundtrip Time
	DNSMonitor	0.00	
	LDAPMonitor	0.00	
	MAPIMonitor	0.00	
	MailMonitor	0.00	
	URLContentMonitor	0.00	
	URLListMonitor	100.00	0.41

Monitor Performance Breakdown

Monitor Name	Availability	Roundtrip Time
url test1	100.00	0.56



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Sitescope Integration



30 Day Monitor Type Summary

The 30 Day Monitor Type Summary Report presents performance statistics, calculated over the previous 30 days, for monitor types associated with a given server and group. By selecting a particular monitor type, the user can see its daily availability and roundtrip time for the preceding 30 days.

Server List

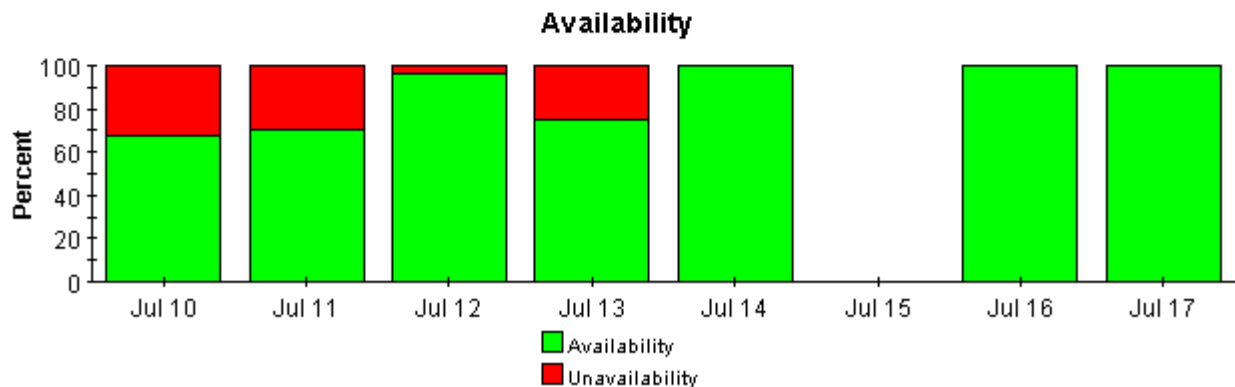
- amazon
- amur
- yangtze

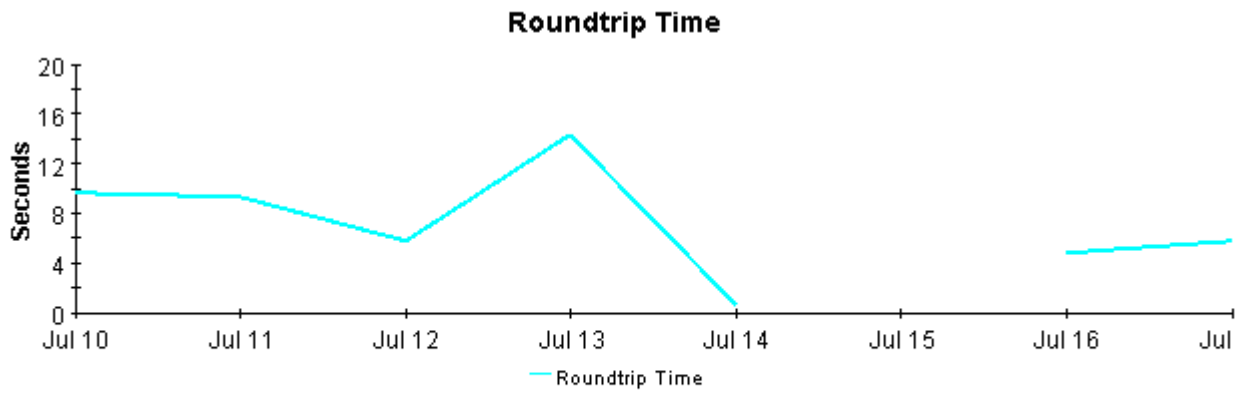
Group List

pisisdev

Monitor Type Performance

Monitor Type	Availability	Roundtrip Time
DNSMonitor	0.00	
FTPMonitor	100.00	0.10
LDAPMonitor	0.00	
MAPIMonitor	0.00	
MailMonitor	0.00	
URLContentMonitor	0.00	





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Sitescope Integration

Daily Monitor Type Summary



The Monitor Type Detail Report presents performance statistics for monitor types associated with a given server and group for the selected day. By selecting a particular probe type, the user can see performance statistics of the monitor for tests of the selected type. By selecting a server and group combination, the availability and roundtrip time for the selected monitors will be displayed for the preceding 30 days .

Server List

	amazon
	amur
	yangtze

Group List

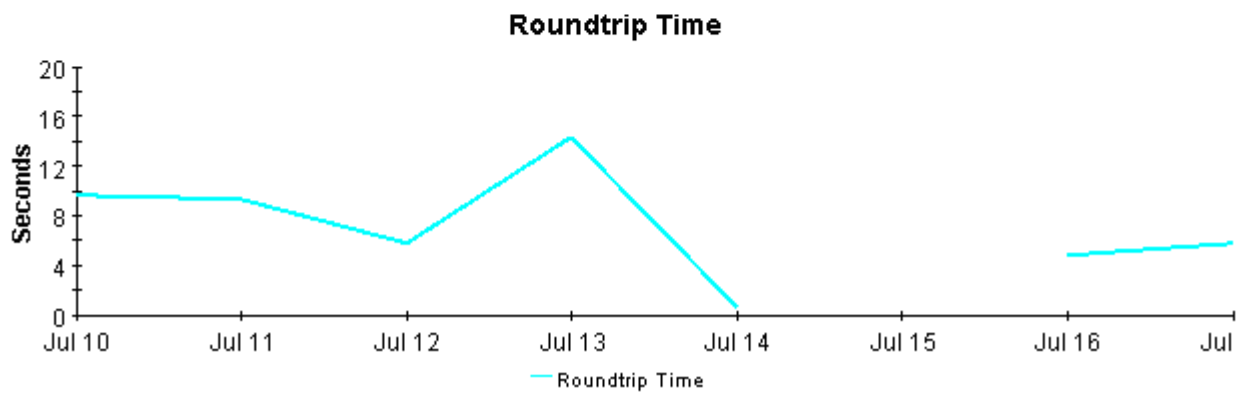
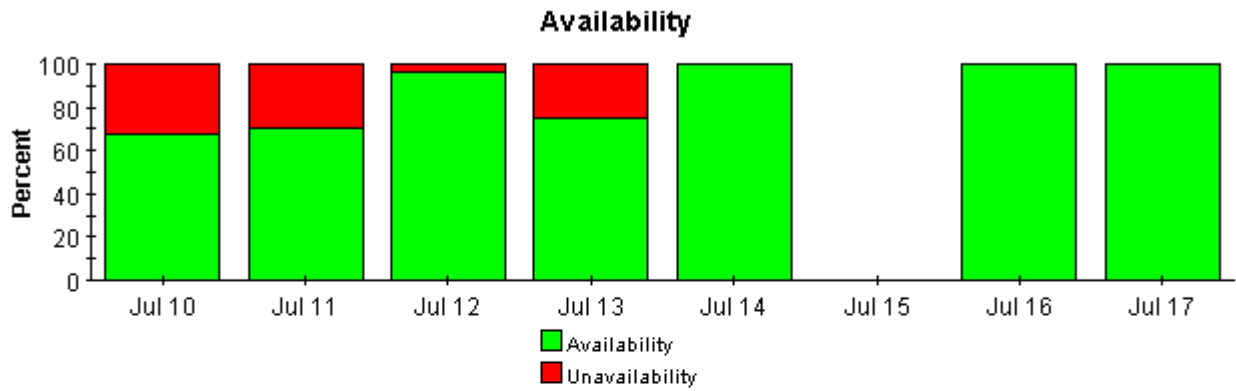
	pisisdev
--	----------

Day

	Jul 17, 2007
	Jul 16, 2007
	Jul 14, 2007
	Jul 13, 2007
	Jul 12, 2007

Monitor Type Performance

	Monitor Type	Availability	Roundtrip Time
	DNSMonitor	0.00	
	FTPMonitor	100.00	0.20
	LDAPMonitor	0.00	
	MAPIMonitor	0.00	
	MailMonitor	0.00	
	URLContentMonitor	0.00	



Sitescope Integration

Daily Monitor Type Hot Spots



The Daily Monitor Type Hotspots report presents a look at the top ten monitor types in terms of the worst availability and highest roundtrip time. Besides, there is a list of days for which data exists on the top of the report.

Server List

	yangtze
	amur
	amazon

Group List

pisidev

Day
Jul 17
Jul 16
Jul 14
Jul 13
Jul 12
Jul 11
Jul 10

Availability

Worst Daily Availability (Percent)

	Monitor Type	Availability
1	DNSMonitor	0.00
2	URLContentMonitor	0.00
3	LDAPMonitor	0.00
4	MAPIMonitor	0.00
5	URLSequenceMonitor	38.36
6	URLListMonitor	68.75
7	URLMonitor	70.38
8	WebServerMonitor	100.00

Roundtrip Time
Worst Hourly Average (Seconds)

	Monitor Type	Roundtrip Time
1	URLSequenceMonitor	26.81
2	URLMonitor	9.38
3	URLListMonitor	7.89
4	WebServerMonitor	0.00

Sitescope Integration



30 Day Monitor Type Detail

The 30 Day Monitor Type Detail Report presents performance statistics, calculated over the previous 30 days, for monitor types associated with a given sitescope server and group. By selecting a particular server and group, the user can see performance statistics of its related monitor type. By selecting a monitor type, the daily availability and roundtrip time for the selected monitor instance will be displayed for the preceding 30 days.

Server List



amazon



amur

yangtze

Group List

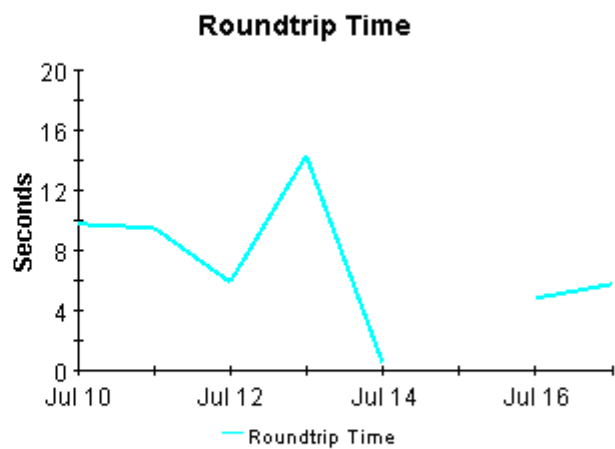
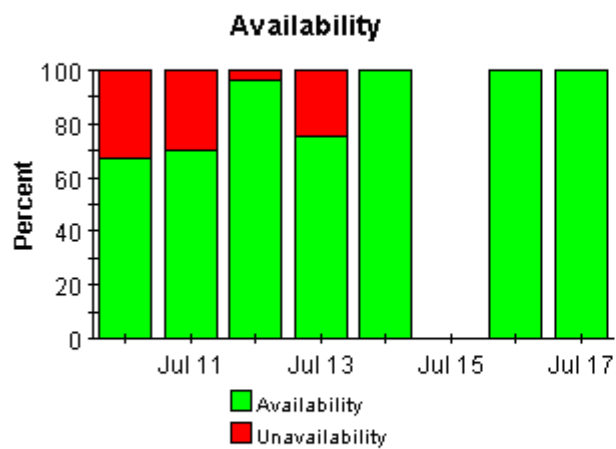
pisidev

Monitor Type Performance

Monitor Type	Availability	Roundtrip Time
DNSMonitor	0.00	
FTPMonitor	100.00	0.10
LDAPMonitor	0.00	
MAPIMonitor	0.00	
MailMonitor	0.00	
URLContentMonitor	0.00	

Monitor Performance Breakdown

Monitor Name	Availability	Roundtrip Time
url test1	77.89	7.17



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Sitescope Integration



30 Day Monitor Type Summary

The 30 Day Monitor Type Summary Report presents performance statistics, calculated over the previous 30 days, for monitor types associated with a given server and group. By selecting a particular monitor type, the user can see its daily availability and roundtrip time for the preceding 30 days.

Server List

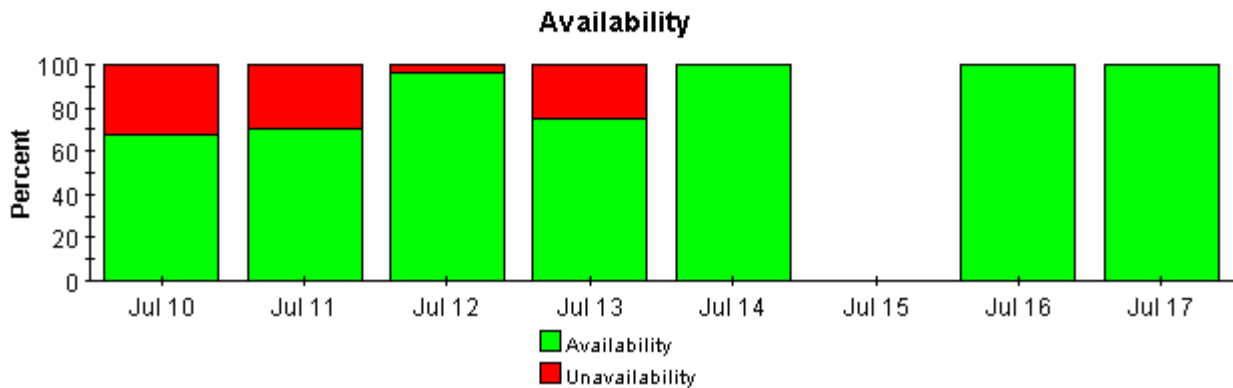
- amazon
- amur
- yangtze

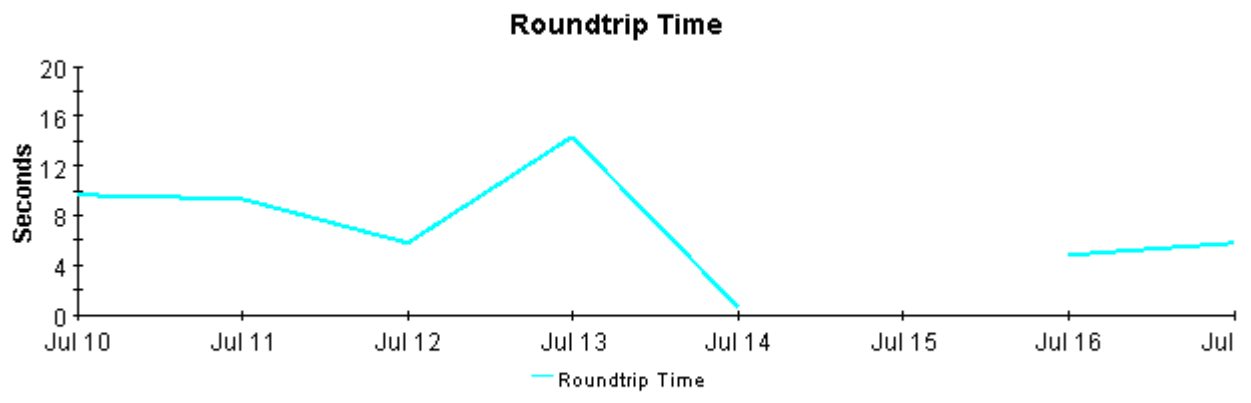
Group List

pisisdev

Monitor Type Performance

Monitor Type	Availability	Roundtrip Time
DNSMonitor	0.00	
FTPMonitor	100.00	0.10
LDAPMonitor	0.00	
MAPIMonitor	0.00	
MailMonitor	0.00	
URLContentMonitor	0.00	





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Sitescope Integration



30 Day Monitor Type Hot Spots

The 30 Day Monitor Type Hotspots report presents a look at the top ten monitor types in terms of the worst availability and highest roundtrip time.

Server List

	yangtze
	amur
	amazon

Group List

	pisisdev
--	----------

Availability


Worst Daily Availability (Percent)

	Monitor Type	Avaiability
1	DNSMonitor	0.00
2	FTPMonitor	100.00
3	LDAPMonitor	0.00
4	MAPIMonitor	0.00
5	MailMonitor	0.00
6	URLContentMonitor	0.00
7	URLListMonitor	77.30
8	URLMonitor	77.89
9	URLSequenceMonitor	32.54
10



Response Time
Worst Hourly Average (Seconds)

	Monitor Type	Roundtrip Time
1	URLSequenceMonitor	27.36
2	URLMonitor	7.17
3	URLListMonitor	6.34
4	FTPMonitor	0.10
5	WebServerMonitor	0.00

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Sitescope Integration



Monthly Monitor Type Detail

The Monitor Type Detail Report presents performance statistics for monitor types associated with a given server and group for the selected month. By selecting a particular monitor type, the user can see performance statistics of the monitors of the selected type. By selecting a server and group, the monthly availability and roundtrip time for the selected type will be displayed for the preceding 12 months. Data for the current month covers results from the first of the month through yesterday.

Server List

	amazon
	amur
	yangtze

Group List

	LDAP
	MailandMAPI
	NetworkServicesMonitors
	WebServicesMonitor
	nicidex



Month

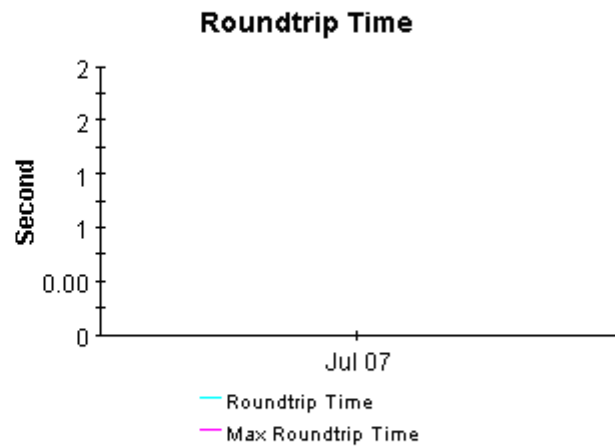
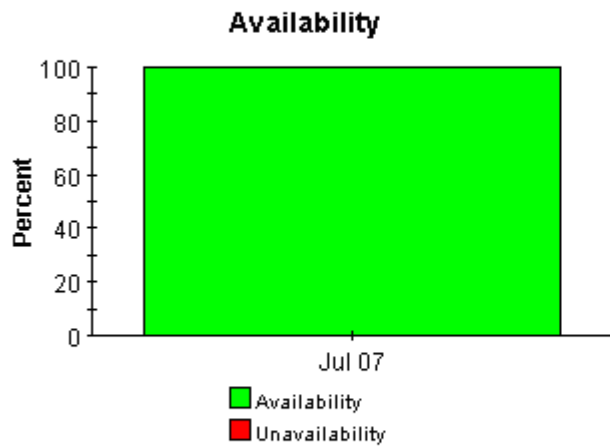
Jul, 2007


Monitor Type Performance

Monitor Type	Availability	Roundtrip Time
LDAPMonitor	100.00	1.70

Monitor Performance Breakdown

Monitor Name	Availability	Roundtrip Time
LDAP	100.00	1.70



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Sitescope Integration



Monthly Monitor Type Summary

The Monitor Type Detail Report presents performance statistics for monitor types associated with a given server and group for the selected month. By selecting a particular monitor type, the user can see performance statistics of the monitors of the selected type. By selecting a server and group, the monthly availability and roundtrip time for the selected type will be displayed for the preceding 12 months. Data for the current month covers results from the first of the month through yesterday.

Server List

	amazon
	amur
	yangtze

Group List

	LDAP
	MailandMAPI
	NetworkServicesMonitors
	WebServicesMonitor
	nicidex

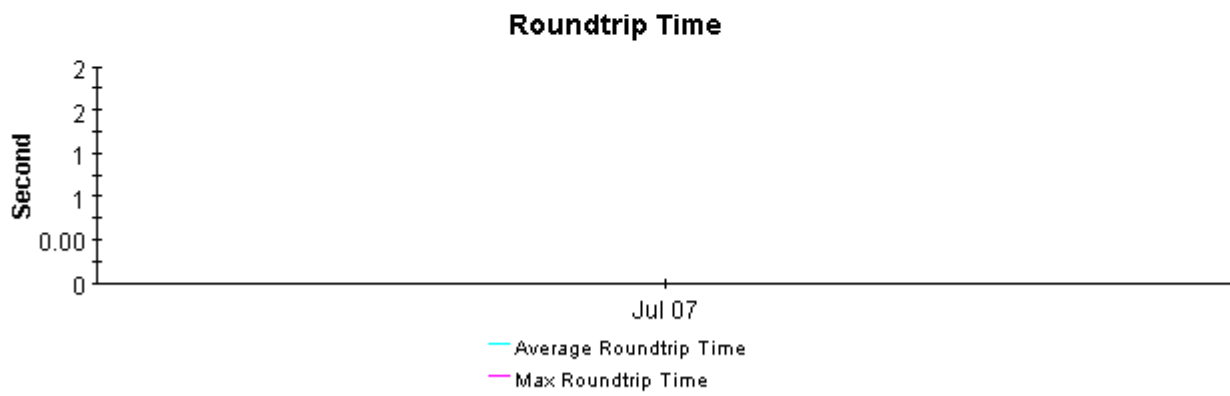
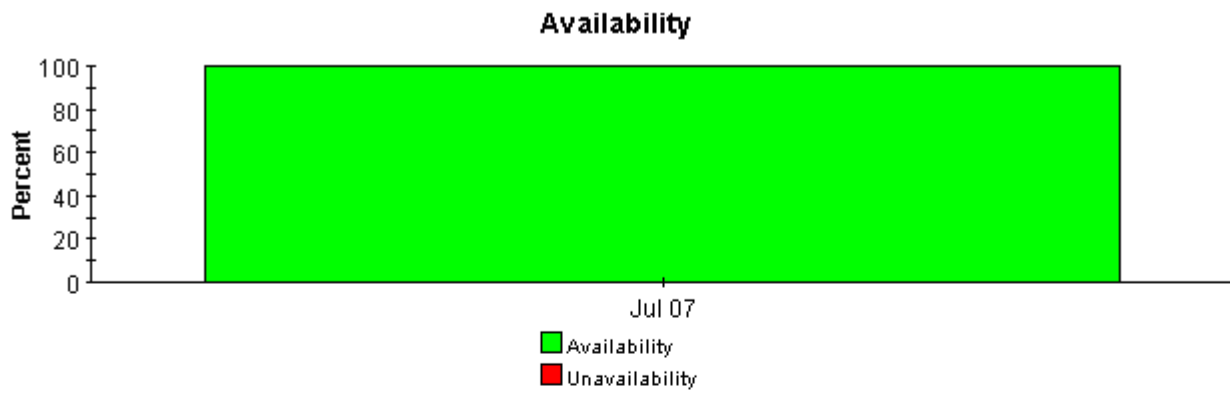


Month

Jul, 2007

Monitor Type Performance

Monitor Type	Availability	Roundtrip Time
LDAPMonitor	100.00	1.70



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Sitescope Integration



Monthly Monitor Type Hot Spots

The Monthly Monitor Type Hotspots report presents a look at the top ten monitor types in terms of the worst availability and highest roundtrip time, there is a list of months for which data exists on the top of the report.

Server List

	yangtze
	amur
	amazon

Group List

pisidev

Month

Jul 2007

Availability

Worst Daily Availability (Percent)

	Monitor Type	Availability
1	DNSMonitor	0.00
2	URLContentMonitor	0.00
3	LDAPMonitor	0.00
4	MAPIMonitor	0.00
5	WebServiceMonitor	0.00
6	MailMonitor	0.00
7	URLSequenceMonitor	32.54
8	URLListMonitor	77.30
9	URLMonitor	77.89
10



Roundtrip Time
Worst Hourly Average (Seconds)

	Monitor Type	Roundtrip Time
1	URLSequenceMonitor	27.91
2	URLListMonitor	15.89
3	URLMonitor	14.23
4	FTPMonitor	0.20
5	WebServerMonitor	0.00

A PI Report Packs

Business Technology	Reporting Solution
Application	Application Report Pack: <ul style="list-style-type: none">• WebLogic SPI• WebSphere SPI
Database	Database SPI Report Pack
HP Business Process Insight	BPI Report Pack
HP Internet Services	Internet Services Report Pack
HP Network Node Manager	NNM Event & Availability Report Pack
HP Operations Manager	OVO Report Pack
HP SiteScope	SiteScope Integration Report Pack
IP Telephony	<ul style="list-style-type: none">• Cisco IP Telephony Call Detail• Cisco IP Telephony Gateway Statistics
MPLS VPN	MPLS VPN Report Pack
Networking	<p>Infrastructure Usage</p> <ul style="list-style-type: none">• Interface Reporting• Device Resource Report Pack <p>LAN/WAN Edge</p> <ul style="list-style-type: none">• Frame Relay (SNMP only)• ATM (SNMP only) <p>WAN Core</p> <ul style="list-style-type: none">• Frame Relay (multiple switch vendors)• ATM (multiple switch vendors) <p>Traffic Profiling</p> <ul style="list-style-type: none">• RMON II• NetFlow Interface• NetFlow Global View• IP QoS Report Pack

Business Technology	Reporting Solution
Networking (continued)	<ul style="list-style-type: none"> • Class-Based QoS <p>Quality Assurance</p> <ul style="list-style-type: none"> • Cisco Ping Report Pack • Service Assurance • IP Access Rate
System Resources	<p>System Resource Report Pack</p> <ul style="list-style-type: none"> • CPU • Disk • Logical System • Logical Volume • NetIf • Process

B SiteScope Monitor Logs

SiteScope monitor logs are located here:

```
<SiteScope_root_path>\SiteScope\logs
```

SiteScope creates new monitor logs every day. Depending on the environment, monitor logs can be very large. Knowing the order and content of these files is useful for examining particular monitor results and for porting monitor results to another database.

The first six columns of each file are the same for every monitor type. Additional columns in the log vary according to the monitor.

Column	Description	Sample
1	Time and date the sample was recorded.	11:54:50
2	Category, or current status.	Good, Error, Warning
3	Monitor group name.	Server
4	Monitor title text.	Web server performance
5	stateString (the status string that shows up on the Monitor Group Detail page)	8.61 hits/minute
6	Monitor id:sample number	1:232
7+	Data specific to the monitor type.	See below

1. DNS Monitor

Column	Data
1	date
2	category
3	ownerID
4	Title
5	stateString
6	_id
7	status
8	round trip time
9	statusText

2. FTP Monitor

Column	Data
1	date
2	category
3	ownerID
4	Title
5	stateString
6	_id
7	status
8	round trip time
9	size

3. LDAP Monitor

Column	Data
1	date
2	category
3	ownerID
4	Title
5	stateString
6	_id
7	status
8	round trip time

4. Mail Monitor

Column	Data
1	date
2	category
3	ownerID
4	Title
5	stateString
6	_id

Column	Data
7	round trip time
8	status
9	content match
10	send time
11	receive time

5. MAPI Monitor

Column	Data
1	date
2	category
3	ownerID
4	Title
5	stateString
6	_id
7	round trip time

6. URL Content Monitor

Column	Data
1	date
2	category
3	ownerID
4	Title
5	stateString
6	_id
7	status
8	round trip time
9	statusText
10	size
11	age
12	dns time

Column	Data
13	response time
14	download time
15	connect time
16	matchValue
17	matchValue2
18	matchValue3
19	matchValue4
20	matchValue5
21	matchValue6
22	matchValue7
23	matchValue8
24	matchValue9
25	matchValue10

7. URL List Monitor

Column	Data
1	date
2	category
3	ownerID
4	Title
5	stateString
6	_id
7	round trip time
8	duration
9	errors
10	good
11	left

8. URL Monitor

Column	Data
1	date
2	category
3	ownerID
4	Title
5	stateString
6	_id
7	status
8	round trip time

9. URL Sequence Monitor

Column	Data
1	date
2	category
3	ownerID
4	Title
5	stateString
6	_id
7	status
8	round trip time
9	statusText

10. Web Server Monitor

Column	Data
1	date
2	category
3	ownerID
4	Title
5	stateString
6	_id

Column	Data
7	hits
8	bytes transferred
9	hits/min
10	bytes/min

11. Web Service Monitor

Column	Data
1	date
2	category
3	ownerID
4	Title
5	stateString
6	_id
7	status
8	round trip time

C Reports Available from SiteScope

If you are a SiteScope user, you know that SiteScope generates its own reports. You can generate reports for a single monitor, multiple monitors, and multiple monitor groups. The following reports are available from SiteScope:

Alert Report

This report is an ad hoc or custom report used to display SiteScope alerts sent over specific time periods. Alert reports do not support exporting data. The settings for an Alert report are not saved to the SiteScope configuration data for later use.

Management Report

This report is generated automatically based on the schedule option you choose. When the schedule interval is met, SiteScope reads the applicable log files and generates the report based on the applicable monitor measurement information for the time interval specified. The report data can be saved to a file format suitable for importing into a spreadsheet or other application.

Quick Report

This report is an ad hoc or custom report used to look at specific time periods and monitors as needed to look at particular events or problems. Quick reports do not support exporting data. The settings for a Quick report are not saved to the SiteScope configuration data for later use.

Monitor Summary Report

This report is an ad hoc report you use to review configuration properties and settings for existing monitors. Monitor Summary reports can be exported in one of three text data formats. The settings for a Monitor Summary report are not saved to the SiteScope configuration data for later use.

The data available for reports is constrained by the amount of log data stored on the SiteScope server. By default, SiteScope retains monitor log files for 40 days. The log files are rotated and files older than the log retention period are automatically deleted.

Depending on the total number of monitors configured, and how often the monitors run per day, keeping monitor data logs for more than 40 days can cause a data storage problem for the SiteScope server. You may want to estimate the rate of data accumulation by monitoring the size of log files in the logs directory.

You can change the length of time that SiteScope will retain monitor data by modifying log preferences. You can also configure SiteScope to export monitor data to an external SQL-compliant database to maintain monitor data for longer periods or to make the data available to other reporting applications.

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