

# HP Operations Analytics

For the Linux Operating System

Software Version: 2.00



## Operations Analytics Quick Start Guide (Installation and Configuration)

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# Installing and Configuring Operations Analytics

Operations Analytics is a unique platform for both simple and complex IT operational problem-solving. Use Operations Analytics to access, combine, and compare the metric, topology, event, and log file data that your Operations Analytics administrator configures to be collected from diverse sources in your IT environment. Because this data is collected from multiple domains, Operations Analytics enables you to identify answers to problems that are not easily solved using other methods. See the *Operations Analytics Help* for more information.

Read this guide to understand the concepts required to install, configure, and use Operations Analytics most effectively, including helpful tips and how to set up collections after installation.

**Note:** See the Operations Analytics Support Matrix for the hardware and operating system requirements for Operations Analytics.

This chapter guides you through the process of installing and configuring Operations Analytics. For more detailed information about installing Operations Analytics, see the *Operations Analytics Installation and Configuration Guide*.

There are seven main categories for the installation tasks you need to complete:

1. ["Task 1: Installing and Configuring the Vertica Software"](#)
2. ["Task 2: Installing and Configuring HP ArcSight Logger"](#)
3. ["Task 3: Installing the Operations Analytics Server Appliance using the VMware vSphere Client"](#)
4. ["Task 4: Installing the Operations Analytics Collector Appliance using the VMware vSphere Client"](#)
5. ["Task 5: Post-Installation Configuration Steps for Operations Analytics"](#)
6. ["Task 6: Gathering Collection Information"](#)
7. ["Task 7: Configuring Collections"](#)

## Task 1: Installing and Configuring the Vertica Software



To install and configure the Vertica Software, do the following:

1. Copy the following compressed Vertica installation file from the downloaded installation files to a temporary location:

```
opsa-vertica-1.00.tar.gz
```

2. From the temporary location, extract the `opsa-vertica-1.00.tar.gz` file using the following command:

```
tar -zxvf opsa-vertica-1.00.tar.gz
```

3. From the temporary location, run the following command to begin the Vertica installation:

```
opsa-vertica_1.00_setup.bin
```

Follow the interactive instructions until the Vertica installation is complete.

**Note:** The installation process results in the creation of the `opsadb` database.

4. The Vertica database admin user is `dbadmin`, and its default password is `dbadmin`. It is recommended that you change the default password now. Do the following to change the password:

- a. Run the following command to log on to the `opsadb` database using the `vsq1` tool:

```
/opt/vertica/bin/vs1 -h hostname -p 5433 -U dbadmin -w dbadmin  
-d opsadb
```

**Note:** `opsadb` is the Vertica database created during the Vertica installation.

- b. Run the following command to change the password:

```
alter user dbadmin identified by '<new password>';
```

- c. Enter `\q` to quit the `vsq1` tool.

## Task 2: Installing and Configuring HP ArcSight Logger



Review the HP Operations Analytics Software Support Matrix for the supported platforms and browsers for HP ArcSight Logger.

You can be logged in as a root user or a non-root user on the system on which you are installing the software. When you install the software as a root user, you can select the port on which HP ArcSight Logger listens for secure web connections. However, when you install it as a non-root user, HP ArcSight Logger can only listen for connections on port 9000. You cannot configure the port to a different value. Additionally, you can configure HP ArcSight Logger to start as a service when you install as a root user.

## Prerequisites for Installation

- You must have downloaded the HP ArcSight Logger installation package.
- You need a separate license file for each instance of HP ArcSight Logger. A license file is uniquely generated for each Enterprise version download.
- Make sure a non-root user account exists on the system on which you are installing HP ArcSight Logger. The non-root user must also be a non-system user with login permissions. You can be logged in as a root user or a non-root user on the server on which you are installing the software. Your installation options vary depending on which you choose.
  - When you install as a root user, a non-root user account is still required.
  - When you install as a root user, you can choose to configure HP ArcSight Logger to start as a service and select the port on which HP ArcSight Logger listens for secure web connections.
  - When you install as a non-root user, HP ArcSight Logger can only listen for connections on port 9000. You cannot configure the port to a different value.
  - If you are upgrading from a version before 5.1, you cannot change the previous installation to a root-user installation. You will need to use the previously configured port 9000 for accessing HP ArcSight Logger software.
- The hostname of the server on which you are installing HP ArcSight Logger cannot be localhost. If it is, change the hostname before proceeding with the installation.
- You must not have an instance of MySQL installed on the Linux server on which you will install HP ArcSight Logger. If an instance of MySQL exists on that server, uninstall it before installing HP ArcSight Logger.
- If you want to use the GUI mode of installation and will be installing HP ArcSight Logger over an SSH connection, make sure that you have enabled X window forwarding using the `-X` option so that you can view the screens of the installation wizard. If you will be using PuTTY, you will also need an X client on the machine from which you are connecting to the Linux machine.
- Installation on 64-bit systems requires `glibc-2.12-1.25.el6.i686` and `nsssoftokn-freebl-3.12.9-3.el6.i686`. Install these packages if the installation fails with the following error message: `Installation requirements not met. Pre-install check failed: 32-bit compatibility libraries not found.`

## Using the Console Mode to Install HP ArcSight Logger

Make sure the server on which you will be installing HP ArcSight Logger complies with the platform requirements listed in the Release Notes for your version, and that the prerequisites listed in ["Prerequisites for Installation"](#) are met.

You can install HP ArcSight Logger as a root user or as a non-root user. See ["Prerequisites for Installation"](#) for details and restrictions.

To install HP ArcSight Logger on a separate server from the Operations Analytics server, use the following instructions:

1. Run the following two commands from the directory where you copied the HP ArcSight Logger software:

```
chmod +x ArcSight-logger-5.3.1.XXXX.0.bin  
./ArcSight-logger-5.3.1.XXXX.0.bin -i console
```

2. The installation wizard launches in command-line mode, as shown below. Press **Enter** to continue.

Introduction

-----  
InstallAnywhere will guide you through the installation of HP ArcSight Logger 5.3 SP1. It is strongly recommended that you quit all programs before continuing with this installation. Respond to each prompt to proceed to the next step in the installation. If you want to change something on a previous step, type 'back'.  
You may cancel this installation at any time by typing 'quit'  
PRESS <ENTER> TO CONTINUE:

3. The next screens display license information. Installation and use of HP ArcSight Logger 5.3 SP1 requires acceptance of the license agreement. Press Enter to display each part of the license agreement, until you reach the following prompt:  
DO YOU ACCEPT THE TERMS OF THIS LICENSE AGREEMENT? (Y/N) :
4. Type Y and press Enter to accept the terms of the License Agreement.
5. Follow the prompts to complete the Logger installation.

**Note:** Use the information in this table to complete the Logger installation.

Field	Notes
Non-root user name	This user must already exist on the system.
HTTPS port	The port number to use when accessing the HP ArcSight Logger UI. You can keep the default HTTPS port (443) or enter any other port that suits your needs. If the port you specify is already in use, you will be asked to select a

Field	Notes
	different port. If you specify any port except 443, users will need to enter that port number in the URL they use to access the HP ArcSight Logger UI.
Configure HP ArcSight Logger as a service	Indicate whether to configure HP ArcSight Logger to run as a service. Select this option to create a service called arcsight_HP ArcSight Logger, and enable it to run at levels 2, 3, 4, and 5. If you do not enable HP ArcSight Logger to start as service during the installation process, you can still do so later. For instructions on how to enable HP ArcSight Logger to start as a service, see <i>System Settings</i> in the <i>ArcSight Logger Quick Start Guide</i> .

## Configuration Steps: Connecting to HP ArcSight Logger for the First Time

The HP ArcSight Logger user interface is a web browser application using Secure Sockets Layer (SSL) encryption. Users must be authenticated with a name and password before they can use the interface.

To connect and log into Logger, do the following:

1. Use the following URL to connect to Logger through a supported browser:

```
https://<hostname or IP address>:<configured_port>
```

where the `hostname` or `IP address` is the system on which Logger is installed, and `configured_port` is the port specified during the Logger installation.

After you connect, the Log on screen is displayed.

2. Use the following default credentials if you are connecting for the first time or have not yet changed the default credentials:

```
Username: admin  
Password: password
```

3. If you already have an account, enter your user name and password, then click **Login**.
4. After you have successfully logged in, go to the *Configuring Logger* section of the *HP ArcSight Logger Administrator's Guide* for information about how to set up Logger to start receiving events.

Note: You will need to configure Logger to collect the log files you are interested in. This includes setting up the Operations Analytics Log File Connector for ArcSight Logger. See the *Configuring Logger* section of the *HP ArcSight Logger Administrator's Guide* and "[Task 2: Installing and Configuring HP ArcSight Logger](#)" for more information.

## Task 3: Installing the Operations Analytics Server Appliance using the VMware vSphere Client



1. Log on to the VMware vSphere Client.
2. Select **File** -> **Deploy OVF Template**.
3. Enter the URL or the file path of the `HP_opsa_Server_OVF10.ova` file, based on where the OVA file is located; then click **Next**.
4. Specify a name and location for the deployed template.
5. Follow the instructions to select the host or cluster on which you want to deploy the Server Appliance; then click **Next**.
6. Select a resource pool.
7. Select the destination storage for the Server Appliance files; then click **Next**.
8. Select the format on which you want to store the virtual disks; then click **Next**.
9. Enter the network properties by specifying the field values shown in the following table.

**Note:** If you are using VMWare Vcenter 5.x for this installation, a User Interface appears to help you enter these values. If the User Interface does not appear, see the *User's Guide to Deploying vApps and Virtual Appliances*, available from [http://www.vmware.com/support/developer/studio/studio26/va\\_user.pdf](http://www.vmware.com/support/developer/studio/studio26/va_user.pdf) (page 17) for network configuration instructions.

### Network Properties

Address Type	Field	Value
DHCP	All Fields	Leave all fields blank. <b>Note:</b> The Operations Analytics installation needs either static IP addresses or permanently-leased DHCP IP addresses.
Static	DNS	The fully-qualified domain name or IP address of the DNS Server.

#### Network Properties, continued

Address Type	Field	Value
	Default Gateway	The fully-qualified domain name or IP address of the network's default gateway.
	IP Address	The IP address of the server.
	Network Mask	The network mask for your network.

10. Specify the VA Host Name and Timezone settings; then click **Next**.
11. Select the **Power on after deployment** option; then click **Finish**.

## Task 4: Installing the Operations Analytics Collector Appliance using the VMware vSphere Client



To install and configure the Operations Analytics Collector Appliance using the VMware vSphere Client, do the following:

1. Log on to the VMware vCenter server or directly to the VMWARE ESX server using the VMware vSphere Client.
2. Select **File -> Deploy OVF Template**.
3. Point your web browser to the following location: `http://<path to file>/HP_Neutron1_OVF10.ova`; then click **Next**.
4. Specify a name and location for the deployed template.
5. Select the host or cluster on which you want to deploy the Collector Appliance; then click **Next**.
6. Select a resource pool.
7. Select the destination storage for the Collector Appliance files; then click **Next**.
8. Select the format on which you want to store the collector's virtual disks; then click **Next**.

9. Enter the network properties by specifying the field values shown in the following table.

Note: If you are using VMWare Vcenter 5.x for this installation, a User Interface appears to help you enter these values.

#### Network Properties

Address Type	Field	Value
DHCP	All Fields	Leave all fields blank. <b>Note:</b> The Operations Analytics installation needs either static IP addresses or permanently-leased DHCP IP addresses.
Static	DNS	The fully-qualified domain name or IP address of the DNS Server.
	Default Gateway	The fully-qualified domain name or IP address of the network's default gateway.
	IP Address	The IP address of the server.
	Network Mask	The network mask for your network.

10. Specify the VA Host Name and Timezone settings; then click **Next**.
11. Select the **Power on after deployment** option; then click **Finish**.

## Task 5: Post-Installation Configuration Steps for Operations Analytics



To complete the post-installation configuration steps for Operations Analytics, complete the actions in this section.

### Post-Installation Steps for the Operations Analytics Server Appliance

Complete the following post-installation configuration steps on the Operations Analytics Server Appliance.

1. Log on as an `opsa` user to the Operations Analytics server (the default password is `opsa`).

**Note:** The first time you log on, you will need to change the password.

2. Run the `$OPSA_HOME/bin/opsa-server-postinstall.sh` script (interactive mode).
3. The `opsa-server-postinstall.sh` script prompts for following information, and includes a default value surrounded by brackets. To accept the default value, click **Enter** for each prompt.

- Host name of Vertica database (if it exists)
- Port number of Vertica database
- Database user name
- Database password

4. The `opsa-server-postinstall.sh` script prompts you with the following message: Is database `opsadb` created and running on host [yes/no]:  
If the `opsadb` database is created and running, enter `yes`; If the `opsadb` database is not created and running, enter `no` to stop the post install configuration script.

**Note:** The `opsa-server-postinstall.sh` script assumes the `opsadb` database is available on the Vertica server and does not create the `opsadb` database on the Vertica server.

5. The `opsa-server-postinstall.sh` script prompts you to change the passwords for the `opsadmin`, `opsatenantadmin`, and `opsa` default application users. Follow the interactive instructions carefully to reset these passwords.

**Note:** See the *Operations Analytics Installation and Configuration Guide* for more information about the predefined user groups, default user names, and passwords used by Operations Analytics.

6. The `opsa-server-postinstall.sh` script prompts you to configure logger details for `opsa_default` [yes/[no]].
7. The `opsa-server-postinstall.sh` script prompts you for the type of Logger software you plan to use (ArcSight or Splunk).
8. The `opsa-server-postinstall.sh` script prompts you for following information, and includes a default value. To accept the default value, click **Enter** for each prompt.

- Logger host name
- Logger Webservice port
- Logger Webservice username
- Logger Webservice password

**Note:** These Logger details will be persisted to the database using the `opsa_default` schema. If the log management software is `arcsight`, you can configure more than one Logger using the `opsa_default` schema. The `opsa-server-postinstall.sh` script prompts you with the following message: Do you want to add more Logger configuration for 'opsa\_default' [yes/no]: If you enter yes, you can add one more Logger configuration for the `opsa_default` schema and tenant.

If the log management software is `splunk` you can only add one set of Splunk configuration details. The `opsa-server-postinstall.sh` does not prompt you for more than one set of Splunk configuration details.

That completes the post-installation configuration steps for the Operations Analytics Server Appliance.

## Post-Installation Steps for the Operations Analytics Collector Appliance

Complete the following post-installation configuration steps on the Operations Analytics Collector Appliance.

1. Log on as a `opsa` user to the Operations Analytics Collector Appliance (the default password is `opsa`).
2. Run the `$OPSA_HOME/bin/opsa-collector-postinstall.sh` script (interactive mode).
3. The `opsa-collector-postinstall.sh` script prompts for following Vertica database host details (where the `opsadb` database is created information, and includes the default values shown in the following list. To accept the default value, click **Enter** for each prompt.  
Host name of Vertica database (localhost)  
Port number of Vertica database (5433)  
User name for the Vertica database (dbadmin)  
Password for the Vertica database
4. The `opsa-collector-postinstall.sh` script prompts you to decide if you want to Configure the OPSA Flex connector for ArcSight Logger [yes/no]. For

the remainder of these instructions the name for the OPSA Flex connector will be the Operations Analytics Log File Connector for ArcSight Logger. If you enter `no`, that completes the installation. If you enter `yes`, do the following:

- a. Review the list of Logger hosts already configured for the `opsa_default` tenant.
- b. Enter the serial number of the Logger host for which you want to configure the Operations Analytics Log File Connector for ArcSight Logger.

That completes the post-installation configuration steps for the Operations Analytics Collector Appliance

## Accessing Operations Analytics for the First Time

To log on to Operations Analytics:

1. Access the following URL: **`http://IP Address or fully-qualified domain name of the Operations AnalyticsServer:8080/opsa`**
2. After the Operations Analytics login screen appears, use the default user credentials to log on to Operations Analytics:  
User Name: `opsa`  
Password: `opsa`

Click  to access the Operations Analytics online help.

## Task 6: Gathering Collection Information



Based on the collections you need to configure, gather the information and complete the actions shown in the following table before proceeding:

### Information to Collect

Collection	Actions
HP Operations Smart Plug-in for Oracle	Obtain the list of nodes running HP Operations Smart Plug-in for Oracle.
Operations Agent	Obtain the list of nodes running Operations Agent.
NNM ISPi Performance for Metrics Component and Interface Health	<p>Set up a CSV export of the NNM ISPi Performance for Metrics Component and Interface Health extension packs by running the following commands on the NPS Server:</p> <p><b>Component Health:</b>  <code>&lt;Install_Dir&gt;/NNMPerformanceSPI/bin/configureCSVExport.ovpl -p Component_Health -a "Raw,&lt;Target-Dir&gt;"</code></p> <p><b>Interface Health:</b>  <code>&lt;Install_Dir&gt;/NNMPerformanceSPI/bin/configureCSVExport.ovpl -p Interface_Health -a "Raw,&lt;Target-Dir&gt;"</code></p>
	<p>Make the CSV files accessible on the collector host in the <code>/opt/HP/opsa/data/netcomponent</code> and <code>/opt/HP/opsa/data/netinterface</code> directories. The <code>opsa</code> user must have read/write access to these files so that they can be moved to a processed directory.</p>
HP Operations Manager (OMi) Events	<p>Obtain the credentials for accessing the OMi event database. During configuration, when asked for the database instance, press return without entering an instance name to configure Operations Analytics to connect to the default database instance.</p> <p>Other information to obtain:                      DB port number                      DB user and password</p>

**Information to Collect, continued**

Collection	Actions
	DB instance name (if not using the default) DB name
Business Process Monitor (BPM)	<p>Obtain the credentials for accessing the BPM connection. This includes the active BSM DPS Server (DPS Hostname), the RTSM Server Port (currently the default port is 21212), and the user name (the <sup>RTSM</sup> Admin user), <i>Admin</i> is the role as appears in the RTSM console. It is important to use the right role for the integration to work correctly.</p> <p><b>Note:</b> The Operations Analytics integration with BPM can connect to a BSM DPS Server configured for failover. However, if the BSM DPS Server fails, Operations Analytics does not automatically reconnect to the failover DPS server. Operations Analytics will no longer collect BPM data until the active BSM DPS Server is back online.</p> <p>Complete the following before proceeding:</p> <p><b>Note:</b> For this example, the fully-qualified domain name of the BSM DPS server is <code>servername.location.domain.com</code>.</p> <p>Add an entry for the BSM DPS server to the <code>/etc/hosts</code> file in the domain in which the Operations Analytics Collector Appliance resides. For example, you would add a line for the BSM DPS server to the <code>/etc/hosts</code> file using the following format: <code>10.1.2.3 servername.location.domain.com servername</code>.</p> <p><b>Note:</b> You must use the alias, <code>servername</code>, as the BSM DPS host name in the node list file.</p>

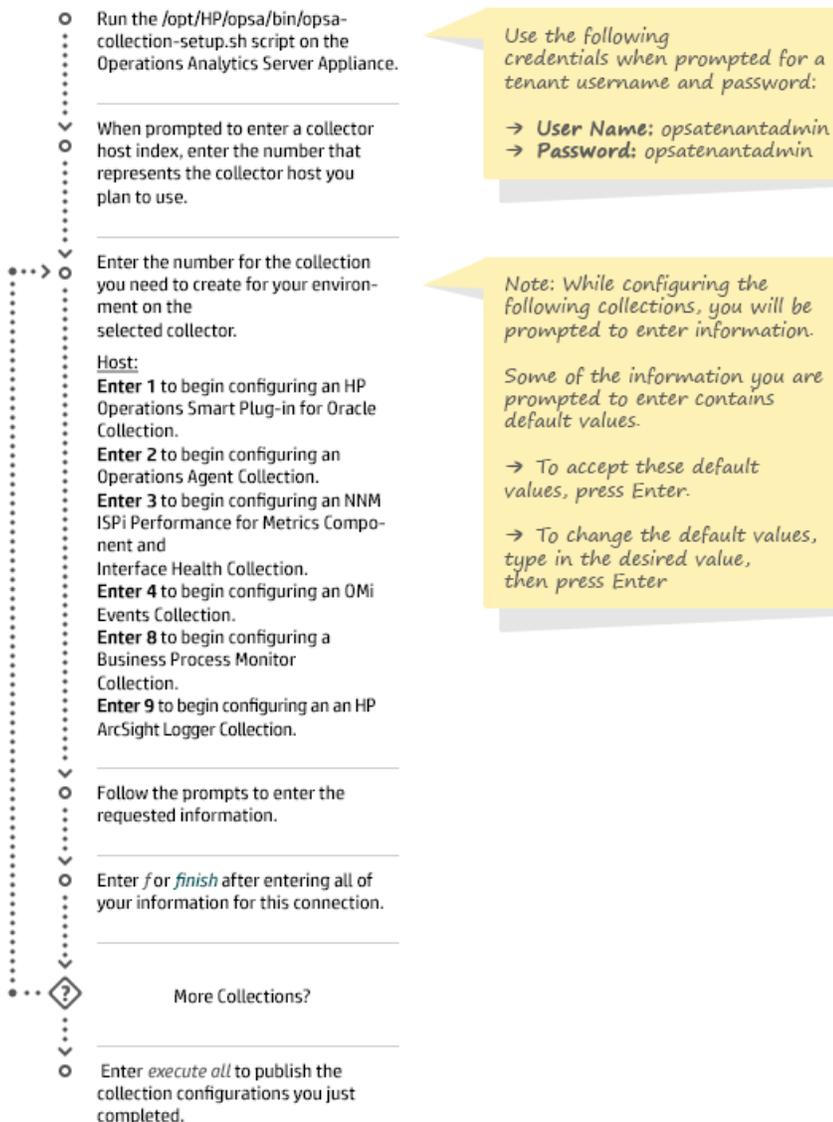
## Task 7: Configuring Collections



Operations Analytics supports additional data collections beyond those described in this document. For information about these additional collections, including more detailed information about setting up collections, see *Configuring Tenants and Collections* in the *Operations Analytics Installation and Configuration Guide*.

**Note:** Only use the `$OPSA_HOME/bin/opsa-collection-setup.sh` script to assist you when first setting up a collection. This guide explains how to use the `$OPSA_HOME/bin/opsa-collection-setup.sh` script. See the *opsa-collection-setup.sh* reference page (or the Linux manpage) for more information.

**Note:** If you want to set up your collections manually or make changes to existing collections, use the collection configuration information in the *Operations Analytics Installation and Configuration Guide*.



Use the following credentials when prompted for a tenant username and password:

- **User Name:** opsatenantadmin
- **Password:** opsatenantadmin

*Note:* While configuring the following collections, you will be prompted to enter information.

Some of the information you are prompted to enter contains default values.

→ To accept these default values, press Enter.

→ To change the default values, type in the desired value, then press Enter

## Configuring SiteScope Collections

Follow the instructions in this section to configure SiteScope Collections for Operations Analytics.

### ***Configuring SiteScope for Integrating Data with Operations Analytics (Automated Method)***

Complete the following tasks to configuring HP SiteScope to forward data to an Operations Analytics Collector Appliance.

Each of the following settings could be configured for a specific SiteScope server, such as `server1`. If the SiteScope server value is missing, the default setting is used. For example if the "`<server1>.port =` " string does not exist in the node list file, Operations Analytics uses the value of the "`default.port =` " setting for `server1`.

1. A node list file contains details about the sources from which you plan to collect information. The node list file for the Custom SiteScope Collections must include the information shown in the following table:

**Note:** Each of the following settings could be configured for a specific server, such as `server1`. If the server value is missing, the default setting is used. For example, if the "`<server1>.port =` " string does not exist in the node list file, Operations Analytics uses the value of the "`default.port =` " setting for `server1`.

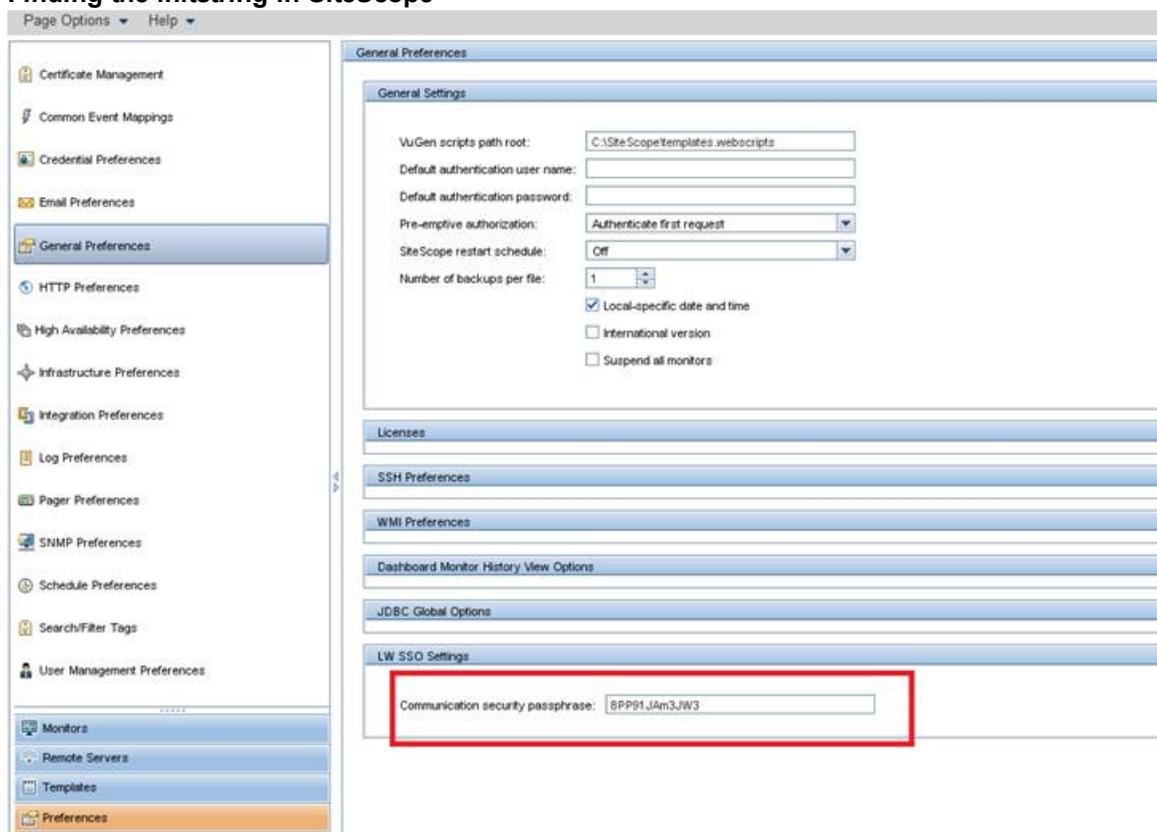
#### Node List Fields and Values

Field	Value
<code>server.names</code>	The aliases of the SiteScope server names, delimited by commas. These are the servers from which you plan to collect SiteScope information.
<code>&lt;server&gt;.hostdnsname</code>	IP Address or fully-qualified domain name of the SiteScope servers for which you are configuring collections. If you need to support failover for the SiteScope servers, specify all the SiteScope servers included in the failover configuration.
<code>&lt;server&gt;.port</code>	<p>The port used to connect to the SiteScope server. Set this if a server does not use the <code>default.port</code> value.</p> <p>The <code>server.port</code> setting could be configured for a specific server, such as <code>server1</code>. If the server value is missing, the default setting is used. For example if the "<code>&lt;server1&gt;.port = </code>" string does not exist in the node list file, Operations Analytics uses the value of the "<code>default.port = </code>" setting for <code>server1</code>.</p>
<code>.username</code>	The default user name used to connect to the SiteScope server. This is typically <code>admin</code> . This field might be set to empty (no value).
<code>.initString</code>	The default value of the <code>initstring</code> use for SSL communication with the SiteScope server. <b>You can obtain this <code>initString</code> from the SiteScope screen shown below this table.</b>
<code>.use_ssl</code>	<p>Set this field to <code>true</code> to enable SSL communication with the SiteScope server. The default setting is <code>false</code>.</p> <p>If you set <code>default.use_ssl=true</code>, you need to export the certificate from the Operations Analytics Collector Appliance and import this</p>

### Node List Fields and Values, continued

Field	Value
	certificate on each SiteScope server. See <i>Configuring SiteScope to Use SSL</i> in the <i>HP SiteScope Deployment Guide</i> and the <i>opsa-collector-manager.sh</i> reference page for more information.
.opsa_collector	The fully-qualified domain name or the IP address of the common collector that collects data from the SiteScope servers. Do not use localhost or 127.0.0.1.

### Finding the initstring in SiteScope



View the sample node list file shown below:

```
server.names=sis01313,sis01388
#properties for sis01313 servers
sis01313.hostdnsname=sis1.somedomain.com
#properties for sis01388 server
sis01388.hostdnsname=sis2.somedomain.com
sis01388.port=18080
#common properties for sis servers
```

```

default.port=8080
default.username=admin
default.initString=8PP91JAm3JW3
default.use_ssl=false
default.opsa_collector=opsac

```

To edit the node list file, do the following from the Operations Analytics Server Appliance:

Edit the `$OPSA_HOME/conf/collection/sitescope_configuration/sample_SiteScope_node.properties` file, adding the appropriate information from the examples shown above, then save your work.

2. Run the following command from the Operations Analytics Server Appliance to encrypt the password:

```

$OPSA_HOME/bin/opsa-collection-config.sh -encrypt $OPSA_
HOME/conf/collection/sitescope_configuration/sample_SiteScope_
node.properties

```

**Note:** If the SiteScope password is empty, edit the nodelist file and remove the value from the appropriate `<server>.password` setting. For example, you might change the value to `sis01.password = .`

3. Run the following command from the Operations Analytics Server Appliance to create the collector configuration:

```

$OPSA_HOME/bin/opsa-sis-collector-auto-conf.sh -nodelist $OPSA_
HOME/conf/collection/sitescope_configuration/sample_SiteScope_
node.properties -username opsatenantadmin -password opsatenantadmin
[-ignoretag] [-forceupdate] [-forcedelete] [-skipcontent] [-
uomfiles] <path to directory containing UOM files>

```

**Note:** When running the `opsa-sis-collector-auto-conf.sh` script, you might see an error similar to the following :

```

No implementation defined for
org.apache.commons.logging.LogFactory.

```

If this happens, run the command in this step from the `/opt/HP/opsa/bin/support/` directory.

See the `opsa-sis-collector-auto-conf` reference page (or the Linux manpage) for more information. You can also run the `$OPSA_HOME/bin/opsa-sis-collector-auto-conf.sh -help` command for additional assistance.

Use the following option definitions for this command:

- The `-nodelist` options points to the node list file created earlier.

- `opsatenantadmin` is the default predefined Tenant Admin user for the predefined `opsa_default` tenant. If you are not using the default tenant, use the Tenant Admin user and password for the tenant you defined for your collections.
- `opsatenantadmin` is the password for the default predefined Tenant Admin user (for the predefined `opsa_default` tenant). If you are not using the default tenant, use the Tenant Admin user and password for the tenant you defined for your collections.
- Use the `ignoretag` option to ignore the step of tagging the monitors within SiteScope. The `opsa-sis-collector-auto-conf.sh` script creates a tag named `opsa_<tenant-name>` and associates it with the root SiteScope group, which means that all monitors will be recursively tagged automatically and dynamically. In some cases, you might want to configure only a subset of the monitors. In those situations, use the `ignoretag` option to manually handle the tagging.
- Use the `-forceupdate` option if you did not make any changes since the last time you ran the `opsa-sis-collector-auto-conf.sh` script, and still want to **force** the script to make changes in already saved SiteScope profiles. If you use the `-forceupdate` option when running the `opsa-sis-collector-auto-conf.sh` script, it deletes the old integration configuration and replaces it with the new configuration. For example, if you made some manual changes on the SiteScope profile side and want to return to the original configuration, use the `-forceupdate` option.
- Use the `-forcedelete` option if you want to remove SiteScope configurations made since you last ran the `$OPSA_HOME/bin/opsa-sis-collector-auto-conf.sh` script. To do this, remove the corresponding alias from the `server.names=` setting in the `nodelist` file, then run the `$OPSA_HOME/bin/opsa-sis-collector-auto-conf.sh` script using the `-forcedelete` option.
- Operations Analytics includes a default UOM file, `$OPSA_HOME/conf/collection/sitescope_configuration/uom/data_integration_uom.xml`, which supports many of the metrics supported by Operations Analytics. Use the `-uomfiles` option to optionally define a UOM folder path containing UOM files you manually extracted.

After completing the configuration steps in this section, SiteScope begins forwarding data to the Operations Analytics Collector Appliance based on the configuration choices you made.

# Using Operations Analytics

Use the information in this section to get started using Operations Analytics.

## Getting Started with Operations Analytics

Review the following graphics to see the tools available when using Operations Analytics.

→ Search and analyze data across domains for your entire IT infrastructure.

→ Control the time frame for which you want to gather and analyze information.

→ Share troubleshooting knowledge by saving and sharing dashboards.

→ Use predefined or custom dashboards to help you pinpoint problems.

→ Select from a list of guided search options that has knowledge of the available data, including previous search patterns.

→ Filter, group, and order data in a single query to view only the data you want to see in just the way you want to see it.

→ Select from multiple visualization options:  
→ tables,  
→ bar charts,  
→ line charts,  
→ pie charts,  
→ sunburst charts,  
→ heat maps.

→ Use predefined dashboards as a template for creating your own.

Use line charts for trend analysis.

→ Group by metrics or entities to change your focus and analysis.

Use corresponding log files to look for known problems.

→ Use filter and sort to easily scan the information.  
→ Use Columns to customize the log file information displayed.  
→ Expand each log entry for more details.

OOTB system health dashboard.

→ Use a template for creating your own.

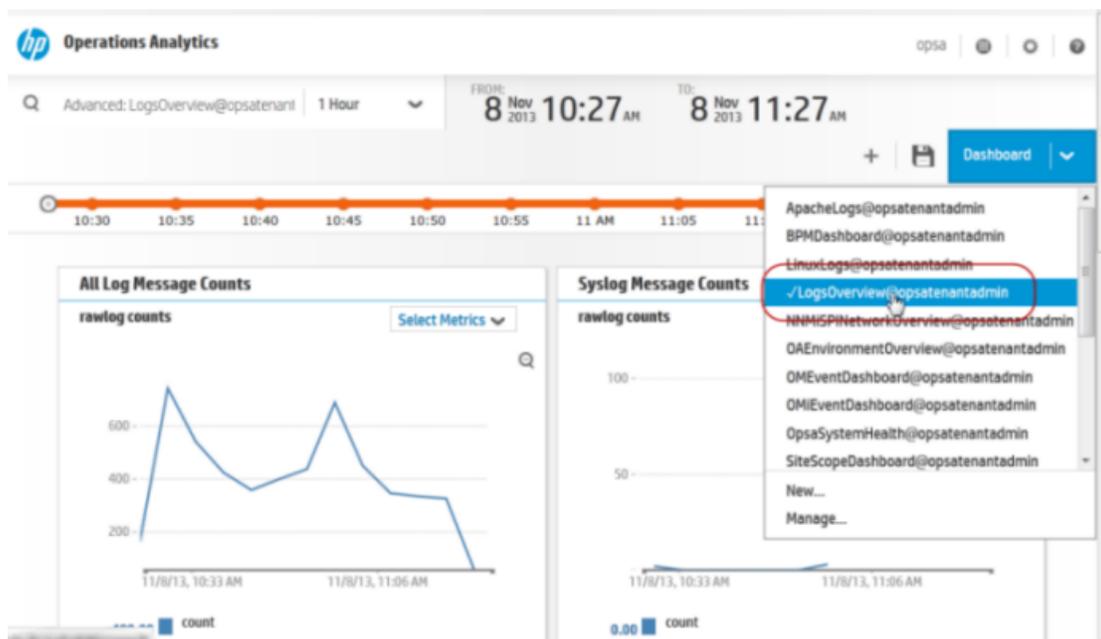
Use Playback to view how a problem emerged over time.

→ Select play or reverse play.

Use sunburst charts to understand topology relationships.

→ View both service components and metrics.  
→ Click a component for more details.  
→ Zoom in or out to change your focus.

Click **LogsOverview** to see the Logs Overview dashboard, which provides an overview of information for the log messages in your IT environment. See the Operations Analytics online help for more information about dashboards.



For more information about getting started with Operations Analytics, see *Getting Started with HP Operations Analytics* in the *Operations Analytics help*.

## For More Information about Operations Analytics

To obtain a complete set of information about Operations Analytics, use this guide along with other Operations Analytics documentation. The table below shows all Operations Analytics documents to date.

### Documentation for Operations Analytics

What do you want to do?	Where to find more information
I want to obtain more detailed information about Installing Operations Analytics.	See the Operations Analytics Installation and Configuration Guide.
I want to obtain more detailed information Operations Analytics Predefined and Custom Collections.	See the Operations Analytics Installation and Configuration Guide.
I want to obtain help about the Operations Analytics console.	See the Operations Analytics Help.
I want to find the hardware and operating system requirements for Operations Analytics.	See the Operations Analytics Support Matrix.
I want to find additional information about Operations Analytics.	See the Operations Analytics Release Notes.

**Documentation for Operations Analytics, continued**

<b>What do you want to do?</b>	<b>Where to find more information</b>
I want to open a view from HP OMi to Operations Analytics.	See the <i>Integration with HP Operations Manager i: HP Operations Analytics 2.0</i> White Paper

## We appreciate your feedback!

If you have comments about this document, you can [contact the documentation team](#) by email. If an email client is configured on this system, click the link above and an email window opens with the following information in the subject line:

**Feedback on Operations Analytics Quick Start Guide (Installation and Configuration)  
(Operations Analytics 2.00)**

Just add your feedback to the email and click send.

If no email client is available, copy the information above to a new message in a web mail client, and send your feedback to [sw-doc@hp.com](mailto:sw-doc@hp.com).