



CHAPTER 9

Task Monitoring

All deployment and collection tasks are monitored and the details of the tasks are logged. The information can be viewed using the task monitoring pages.

This chapter includes the following sections:

- [TE Task Logs, page 9-1](#)
 - [SR Deployment Logs, page 9-1](#)
 - [Logs Created from Task Manager, page 9-2](#)
 - [Viewing a Task Log, page 9-2](#)
- [TE Performance Reports, page 9-3.](#)

TE Task Logs

The TE task logs are used to view the result of running one or more TE tasks as described in [TE Tasks, page 8-5](#).

Different task logs are generated by different events:

- SR deployment logs
- Logs generated by tasks issued from the Task Manager, such as:
 - TE Discovery
 - TE Functional Audit
 - TE Interface Performance.

SR Deployment Logs

When any service request is deployed, whether a managed or unmanaged primary tunnel or a backup tunnel, a log is generated. For tunnel SRs, deployment takes place in multiple phases depending on the type of SR and the task logs are created similarly:

- Primary tunnel SR—a three-phase logging process corresponding to a three-phase deployment (phases A, B, and C as shown in [Figure 9-1](#))
- Protection SR—a two-phase logging process corresponding to a two-phase deployment

In addition to the deployment logs, a ConfigAudit log is created regardless of the type of SR deployment, providing the deployment was successful.

Logs Created from Task Manager

Specific instructions for how to generate and view a task log for a TE Discovery task are found in [Task Logs, page 2-9](#).

Instructions for how to generate and view a task log for the TE Functional Audit and TE Interface Performance tasks are found in [Creating a TE Task, page 8-6](#).

Viewing a Task Log

A task log can be accessed from two different locations:

- The Tasks window
- The Service Requests window.

From the Tasks Window

To view the task log for a TE task, you need to:

1. Access the Task Logs window.
2. Select the desired log and open it.

To view the task logs, use the following steps. A task log from the deployment of a managed primary tunnel has been used as an example.

Step 1 Choose **Monitoring > Task Manager**.

Step 2 Select **Logs** in the table of contents on the left side of the Tasks window.

The Task Logs window in [Figure 9-1](#) appears.

Figure 9-1 Task Logs

Task Logs					
Show Runtime Tasks with Task Name matching *					Find
Showing 1 - 5 of 13 records					
#	Runtime Task Name	Action	Start Time	End Time	Status
1.	<input checked="" type="checkbox"/> TE Interface Performance 2008-10-08 23:54:03.335_Thu_Oct_09_00:04:50_PDT_2008_3	PerfCollection	2008-10-09 00:04:51.393	2008-10-09 00:21:42.09	Completed successfully
2.	<input type="checkbox"/> Deploy Primary SR-ID 2 2008-10-06 20:49:00.726_Mon_Oct_06_20:49:02_PDT_2008_1	ConfigAudit	2008-10-06 20:50:35.267	2008-10-06 20:51:14.335	Completed successfully
3.	<input type="checkbox"/> Deploy Primary SR-ID 3 2008-10-06 20:49:01.486_Mon_Oct_06_20:49:03_PDT_2008_2	ConfigAudit	2008-10-06 20:49:49.663	2008-10-06 20:50:26.955	Completed successfully
4.	<input type="checkbox"/> Deploy Primary SR-ID 3 2008-10-06 20:49:01.486_Mon_Oct_06_20:49:03_PDT_2008_2	Deployment Phase C	2008-10-06 20:49:11.572	2008-10-06 20:49:49.638	Completed successfully
5.	<input type="checkbox"/> Deploy Primary SR-ID 3 2008-10-06 20:49:01.486_Mon_Oct_06_20:49:03_PDT_2008_2	Deployment Phase B	2008-10-06 20:49:09.324	2008-10-06 20:49:11.547	Completed successfully

Rows per page: 5

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Auto Refresh:

For an explanation of the various window elements, see [Task Log, page B-67](#).

- Step 3** Select a Task Log for viewing.
A task that has been scheduled for multiple runs might have multiple instances to view.
- Step 4** Click the desired task in the **Action** column.
The corresponding Task Log window appears. For an explanation of the various window elements, see [Task Log, page B-67](#).
The logged messages are shown in a table. This includes the time the log message was created and the severity level assigned to the log message.
There is a filter setting for the logging, which defaults to SEVERE. This means that only SEVERE messages in the log are shown. There are several different filter settings that can be selected according to the desired level of detail. To change the filter level, select the one that is required and click **Filter**.
How the log is structured depends on the type of task that was run.
- Step 5** Click **Return to Logs** to close the log window.
This takes you back to the main Task Logs window.
- Step 6** To see the task SR, which in some cases is associated with a particular task log, select the desired task log and click the **Service Requests** button.
The Tasks SRs window appears.
For an explanation of the various window elements, see [Task Log, page B-67](#).
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From the Service Requests Window

To access the logs from the Service Requests window:

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- Step 1** Choose **Service Inventory > Inventory and Connection Manager > Service Requests**.
- Step 2** Select a service request (only one).
- Step 3** Click the **Status** button and select **Logs**.
- Step 4** Select the log to view and click **View Log**.
The Task Log window appears.
- Step 5** Select the log level from the drop-down menu and click **Filter**.
The log levels are All, Severe, Warning, Info, Config, Fine, Finer, and Finest.
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TE Performance Reports

A TE Performance Report is created when you run a TE Interface Performance task as described in [Creating a TE Interface Performance Task, page 8-8](#).

It shows the traffic data collected from the TE Interface Performance task for selected tunnels and/or links. The TE Interface Performance task can run multiple times.

To view a TE Performance Report, use the following steps:

Step 1 Choose **Monitoring > TE Performance Report**.

The TE Performance Report Table in [Figure 9-2](#) appears.

Figure 9-2 TE Performance Report Table

TE Performance Report Table

Show Traffic with *

Showing 1 - 2 of 2 records

#	<input checked="" type="checkbox"/>	Start Time	End Time	Device Name	Interface Name	Octets In	Octets Out	Speed	Util In	Util Out
1.	<input checked="" type="checkbox"/>	2008-10-09 00:04:56.972	2008-10-09 00:21:38.391	isctmp1	Tunnel45	0	0	105000	0.0	0.0
2.	<input checked="" type="checkbox"/>	2008-10-09 00:04:59.641	2008-10-09 00:21:41.021	isctmp8	Tunnel1004	0	0	50000	0.0	0.0

Rows per page:

Reconcile Data: Peak Valley Average First

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For an explanation of the various window elements in the report table, see [TE Performance Reports, page B-69](#).