



CHAPTER

10

## 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 10-1](#)
  - [SR Deployment Logs, page 10-1](#)
  - [Logs Created from Task Manager, page 10-2](#)
  - [Viewing a Task Log, page 10-2](#)
- [TE Performance Reports, page 10-4](#)

## 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 9-5](#).

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 10-1](#))
- 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 3-7](#).

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 9-6](#).

## 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** Navigate **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 10-1](#) appears.

**Figure 10-1 Task Logs**

Task Logs						
Show Runtime Tasks with Task Name matching <input type="text"/> <input type="button" value="Find"/>						
Showing 1 - 5 of 15 records						
#	<input type="checkbox"/>	Runtime Task Name	Action	Start Time	End Time	Status
1.	<input type="checkbox"/>	TE Interface Performance 2005-11-07 18:02:12.946_Mon_Nov_07_18:36:30_PST_2005_8	PerfCollection	2005-11-07 18:36:31.364	2005-11-07 18:53:16.704	<span style="color: red;">Completed with errors</span>
2.	<input type="checkbox"/>	Deploy Primary SR-ID 8 2005-11-07 00:31:32.56_Mon_Nov_07_00:31:36_PST_2005_7	ConfigAudit	2005-11-07 00:32:17.437	2005-11-07 00:33:11.803	<span style="color: green;">Completed successfully</span>
3.	<input type="checkbox"/>	Deploy Primary SR-ID 8 2005-11-07 00:31:32.56_Mon_Nov_07_00:31:36_PST_2005_7	Deployment Phase C	2005-11-07 00:31:41.193	2005-11-07 00:32:17.41	<span style="color: green;">Completed successfully</span>
4.	<input type="checkbox"/>	Deploy Primary SR-ID 8 2005-11-07 00:31:32.56_Mon_Nov_07_00:31:36_PST_2005_7	Deployment Phase B	2005-11-07 00:31:40.491	2005-11-07 00:31:41.168	<span style="color: green;">Completed successfully</span>
5.	<input type="checkbox"/>	Deploy Primary SR-ID 8 2005-11-07 00:31:32.56_Mon_Nov_07_00:31:36_PST_2005_7	Deployment Phase A	2005-11-07 00:31:37.183	2005-11-07 00:31:40.468	<span style="color: green;">Completed successfully</span>

Rows per page:

Go to page:  of 3

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Auto Refresh:

For an explanation of the various window elements, see [Task Log, page A-68](#).

**Step 3** Select a Task Log for viewing. A task that has been scheduled for multiple runs might have multiple instances to view.

Click the desired task in the **Action** column. The corresponding Task Log window in [Figure 10-2](#) appears.

**Figure 10-2 Task Log - Performance Collection with Error**

Date	Level	Component	Message
2005-11-07 18:36:36	OFF	GTL	Started CS Job for zone=/cs, Job Log
2005-11-07 18:36:40	OFF	GTL	CS Job Completed 1 for Collection Zone /cs Log
2005-11-07 18:36:40	SEVERE	trafMonJob	iscttmp11:tunnel-te1000 Bandwidth is not set

Return to Logs

For an explanation of the various window elements, see [Task Log, page A-68](#).

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 4** Click **Return to Logs** to close the log window. This takes you back to the main Task Logs window.

**Step 5** 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 ([Figure 10-3](#)).

**Figure 10-3 Task SRs**

The screenshot shows a software interface titled "Task SRs". At the top, there is a search bar with the placeholder "Show Services with Job ID matching \* of Type All" and a "Find" button. Below the search bar, it says "Showing 0 of 0 records". The main area is a table with the following columns: #, Job ID, State, Type, Operation Type, Creator, Customer Name, Policy Name, and Description. A single row is displayed, showing: # 1, Job ID 8, State DEPLOYED TE Tunnel, Type MODIFY, Operation Type admin, and empty fields for Creator, Customer Name, Policy Name, and Description. Below the table, there is a "Rows per page:" dropdown set to 5, and a navigation bar with buttons for "Go to page: 1 of 1" and "Links" and "Return" buttons.

#	<input type="checkbox"/>	Job ID	State	Type	Operation Type	Creator	Customer Name	Policy Name	Description
1.	<input type="checkbox"/>	8	DEPLOYED TE Tunnel	MODIFY	admin				

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For an explanation of the various window elements, see [Task Log, page A-68](#).

## From the Service Requests Window

To access the logs from the Service Requests window:

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- Step 1** Navigate to 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 9-11](#).

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:

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- Step 1** Navigate **Monitoring > TE Performance Report**.

The TE Performance Report Table in [Figure 10-4](#) appears.

Figure 10-4 TE Performance Report Table

The screenshot shows the Cisco IP Solution Center interface with the 'Monitoring' tab selected. The 'TE Performance Report' sub-tab is active. The main content area displays the 'TE Performance Report Table' with the following data:

#	Start Time	End Time	Device Name	Interface Name	Octets In	Octets Out	Speed	Util In	Util Out
1.	2005-10-24 23:00:25.477	2005-10-24 23:02:05.967	iscttmp11	10.2.4.14-> >10.2.4.13	0	0	622080000	0.0	0.0
2.	2005-10-24 23:00:26.299	2005-10-24 23:02:06.407	iscttmp1	10.2.3.54-> >10.2.3.53	0	72	100000000	0.0	0.084575736430023

Below the table, there are navigation controls for rows per page (10), go to page (1 of 1), and buttons for Display, Close, and Cancel. The status bar at the bottom right shows the ID 138832.

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

