CHAPTER 5

Starting and Stopping TES Components

This chapter contains the procedures for starting and stopping TES components:

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Starting and Stopping TES

Several TES components must be up and running and in a particular order before you can use TES. Generally, the components must be started and stopping in this order.

To start your entire TES system:

**Step 1** If using Fault Tolerance, start the Fault Monitor.

**Step 2** Start the TES Master. If using Fault Tolerance, start the Master you wish to run in Active mode (commonly called the Primary Master).

**Step 3** If using Fault Tolerance, start the Master you want to run in Standby mode (commonly called the Backup Master).

**Step 4** Start the Client Manager.

**Step 5** Start the TES Web or Java Client.

To stop your entire system:

**Step 1** If using Fault Tolerance, stop the Master running in Standby mode (commonly called the Backup Master).

**Step 2** Stop the TES Master. If using Fault Tolerance, stop the Primary Master/Active Master.

**Step 3** If using Fault Tolerance, stop the Fault Monitor.
Starting and Stopping the Master

The TES Master must be started before you can use the Cisco Tidal Enterprise Scheduler.

Starting and Stopping the Windows Master

To start or stop the TES Master:

Step 1: From the Windows Start menu on the master machine, select Programs > TIDAL Software > Scheduler > Master > Service Control Manager to display the Tidal Service Manager.

Step 2: From the Service list, select Scheduler Master. The master status displays at the bottom of the dialog box.

Step 3: Click Start to start the Master if it is not running.
- or -
Click Stop to stop the Master.

Starting and Stopping the UNIX Master

To start and stop the master on UNIX:

Step 1: Open a command prompt window.

Step 2: Enter one of these commands:
- Start the Master with this command:
  `tesm start`
- Stop the Master with this command:
  `tesm stop`
- Get the Master status with this command:
  `tesm status`

Starting and Stopping the Client Manager

Starting and Stopping the Windows Client Manager

To start Client Manager on Windows:

Step 1: From the Windows Start menu on the master machine, choose Programs > TIDAL Software > Scheduler > Master > Service Control Manager to display the Tidal Service Manager.

Step 2: From the Service list, choose Client Manager. The Client Manager status displays at the bottom of the dialog box.
Step 3  Click **Start** to start the Client Manager.

**To stop Client Manager on Windows:**

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**Step 1**  From the Windows Start menu on the master machine, choose **Programs > TIDAL Software > Scheduler > Master > Service Control Manager** to display the **Tidal Service Manager**.

**Step 2**  From the Service list, select **Client Manager**. The Client Manager status displays at the bottom of the dialog box.

**Step 3**  Click **Stop** to stop the Client Manager.

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**Starting and Stopping the Unix Client Manager**

**To start Client Manager on Unix:**

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**Step 1**  Open a command prompt window.

**Step 2**  Enter:

```
./cm start
```

**Note**  ./ may not be required on some systems. Consult your system administrator to determine how the commands should be used.

**Step 3**  Press **Enter**.

**To stop Client Manager on Unix:**

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**Step 1**  Open a command prompt window.

**Step 2**  Enter:

```
./cm stop
```

**Step 3**  Press **Enter**.

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**Starting and Stopping an Agent**

**Starting and Stopping an Agent on Windows**

**To start or stop an agent on Windows:**

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**Step 1**  From the Windows Start menu, choose **All Programs > TIDAL Software > TIDAL Service Manager** to display the Tidal Service Manager.

**Step 2**  From the Services list, choose the name of the agent.

**Step 3**  Click **Start** to start the agent.

-or-

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Click Stop to stop the agent.

Starting and Stopping an Agent on Unix

To start or stop an agent on Unix:

**Step 1**  Open a command prompt window.

**Step 2**  Enter:

```
./tagent <agent name> start
```

-or-

```
./tagent <agent name> stop
```

**Note**  You should stop all Unix agents before rebooting the Unix system. It is recommended to add the agent stop command to a Unix system shutdown script to be used when restarting a Unix system.

**Note**  When issuing the tagent start command, verify that you are logged on as the user intended to run the agent.

Running the TES Web Client

The TES Web Client connects to the Master via the Client Manager using a browser. The TES Web Client is the main user interface that you use to manage your TES system.

**Note**  Alternatively, you can use the TES Java Client which provides the same user interface, but connects directly to the Master as an application or using a browser. See Running the TES Java Client, page 5-4.

To run the TES Web Client:

**Step 1**  Open a TES-supported web browser and enter the following URL:

```
http://master_hostname:8080/client
```

where master_hostname is the host name of the TES Master.

Running the TES Java Client

You can run the Cisco TES 6.2.1 Java client as an application on your system, as well as via a web browser. The Java Client has the same user interface and features as the TES Web Client, but it connects directly to the Master.
Running the Java Client as a System Application

The following prerequisites must be met to run the Java Client as a system application:

- The Java Client Host machine must be in DNS/NIS+ domain.
- The Java Client Host machine must be allowed to connect to port 6215 of Scheduler's host.
- The Master's master.props must have valid LDAP/AD configuration.

To run the Java Client as an application on your system:

**Step 1**
Launch the Java Client that you have installed. The Login screen displays.

**Step 2**
Enter the following details:

- **Server** — The scheduler’s hostname
- **User** — AD/LDAP user name
- **Password** — AD/LDAP password

**Step 3**
Click Connect.

The Java Client application window displays.

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**Note**
The logs and help folders are created in your `temp` folder. You can view them by clicking View > Client Logs.

**Note**
Startup scripts of the Java client can be optionally modified to add jvm arguments for optimal performance.

Running the Java Client Via a Web Browser

The following prerequisites must be met to run the Java Client via a web browser:

- By default, the Master runs a web server at port 8080. The Java Client host must be allowed to access a configured port on the Master's host machine.
- On Windows, only Internet Explorer 64-bit (c:\Program Files\Internet Explorer\iexplorer.exe) is capable of running 64-bit Java7. Only 64-bit Java7 will support 8GB memory requirements.
- For all operating systems and browsers, you must enable Java content in the Java Control Panel.

**Note**
Confirm that browser's security settings allow running Java applets.

To run the Java Client via a web browser:

**Step 1**
Open a TES-supported web browser and enter the following URL:

http://master_hostname:8080/tesclient

where `master_hostname` is the host name of the TES Master.

**Step 2**
Click Launch Enterprise Scheduler.
**Controlling the Fault Monitor**

You can monitor the Fault Monitor from the TES Web Client or Java Client. If you have installed fault tolerance, then a Fault Monitor tab displays inside the Master Status folder under the Operations folder in the Navigator pane of the TES Web Client.

To see the Fault Monitor option, you must be properly licensed for fault tolerance and your security policy must include access to the Fault Monitor option.

The Fault Monitor can also be accessed from the command line of the machine it is installed on.

**Starting the Fault Monitor on Windows**

To start the Fault Monitor on Windows:

1. From the Windows Start menu, and choose Programs > Tidal Software > Tidal Service Manager to display the Tidal Services Manager.
2. From the Service list, choose SchedulerFaultMon.
3. Click Start.

**Stopping the Fault Monitor on Windows**

To stop the Fault Monitor on Windows:

1. From the Windows Start menu, and choose Programs > Tidal Software > Tidal Service Manager to display the Tidal Services Manager.
2. From the Service list, choose SchedulerFaultMon.
3. Click Stop.

**Starting the Fault Monitor on Unix**

To start the Fault Monitor on Unix:

1. Open a command prompt window.
2. Enter:
   
   `tesfm start`
Stopping the Fault Monitor on Unix

To stop the Fault Monitor on Unix:

**Step 1**  Open a command prompt window.

**Step 2**  Enter:

`tesfm stop`