Installing TES

Installing the Master

For Windows

The installation procedure differs depending upon whether the database being used is Microsoft SQL Server or Oracle.

Using a Microsoft SQL Database

To install the master component using a Microsoft SQL database:

Step 1   Run *setup.exe*.

The **File Download-Security Warning** dialog displays.

Step 2   Click **Run**. The **Internet Explorer-Security Warning** dialog displays.

Step 3   Click **Run**.

The **Welcome** panel displays.

Step 4   Click **Next**.

The **Installation Type** panel displays.

Step 5   Select the **Master** option, then click **Next**.

TES Super User panel displays.

Step 6   Enter the domain name for your master into the **Domain** field.

Step 7   Enter the name of the Super user for this master.

Step 8   If you have a demo code, enter the code into the **If you have a demo code enter it here:** field.

The **Destination Folder** panel displays.

Step 9   Select the directory where the Scheduler files will reside.

- Click **Browse**, locate a directory, select the appropriate file and click **Save**.

  -or-

- Accept the default location at **C:\Program Files\TIDAL**.

Step 10 Click **Next**.

The **Database Type** dialog displays.

Step 11 Select the **MSSQL Server** option, then click **Next**.

The **Database Server** dialog displays.

Step 12 Identify the Microsoft SQL database and logon you are using:

- Database HostName – Enter the hostname of the database server.

Note The master should not be installed on hosts with underscores in their names or the JMS connections will fail between components.

- Port – Enter the port number of the JDBC driver. The default port is 1433.
- SID – Enter the Oracle System ID (Oracle only).

Note The Oracle SID and Service Name should be the same on the database. However, if they are different, then provide the Oracle Service Name as the SID in this field.

  – Login ID – Enter the login credentials for the database administrator.
  – Password – Enter the password for the database administrator.

Step 13 Click **Next**.

The **Admiral Database and Transaction Log File Path** panel displays.

Step 14 Click **Next** to accept the default paths.

The **Database Size** panel displays.

Step 15 Enter database and log file sizes:

- Enter new values (in megabytes).

  -or-

- Accept the default values.

Step 16 Click **Next**.

The **Ready to Install the Program** panel displays.

Step 17 Click **Install** to start the installation process.

The **Installing Tidal TES - Master** panel displays.

The progress of your master installation is displayed in the form of a progress bar.

Warning **Do not click Cancel once the installation process begins copying files in the Setup Status screen. Canceling the installation at this point corrupts the installation program.**

You will not be able to install the component without the help of Support. If you decide you do not want to install the component, you must complete the installation and then uninstall.

The **Setup Completed** dialog displays.

Step 18 Click **Finish**.

Using an Oracle Database

The procedure for installing a master running an Oracle database is very similar to the procedure used when running a Microsoft SQL database. The differences are described in the following procedure.

To install the master component using an Oracle database:

Step 1 Run *setup.exe*.

The **File Download-Security Warning** dialog displays.

Step 2 Click **Run**. The **Internet Explorer-Security Warning** dialog displays.

Step 3 Click **Run**.

The **Welcome** panel displays.

Step 4 Click **Next**.

The **Installation Type** panel displays.

Step 5 Select the **Master** option, then click **Next**.

The **TES Super User** panel displays.

Step 6 Enter the domain name for your master into the **Domain** field.

Step 7 Enter the name of the Super user for this master.

Step 8 If you have a demo code, enter the code into the If you have a demo code enter it here: field.

The **Destination Folder** panel displays.

Step 9 Select the directory where the Scheduler files will reside.

- Click **Browse**, locate a directory, select the appropriate file and click **Save**.

  -or-

- Accept the default location at **C:\Program Files\TIDAL**.

Step 10 Click **Next**.

The **Database Type** panel displays.

Step 11 Select the **ORACLE Server** option, then click **Next**.

The **Database Server** panel displays.

Step 12 Identify the Oracle database and logon you are using:

- Database HostName – Enter the hostname of the database server.
- Port – Enter the port number of the JDBC driver. The default port is 1521.
- SID – Enter the Oracle System ID.
- Login ID – Enter the login credentials for the database administrator.
- Password – Enter the password for the database administrator.

Note This information is available from the Oracle Database Administrator.

Chapter 3   Installing TES

■   **Installing the Master**

Step 13   Click **Next**.

Step 14   Specify the name and location of the Data, Index and Temp tablespaces so Scheduler can access the files. By default, Scheduler calls the datafiles, ADMIRAL_DATA, ADMIRAL_INDEX and ADMIRAL_TEMP. You can retain the default name or replace the default values with different names but you must type the directory path to each datafile location.

Step 15   Click **Next**.

The **Ready to Install the Program** panel displays.

Step 16   Click **Install** to start the installation process.

The **Installing Tidal TES - Master** panel displays.

The progress of your master installation is displayed in the form of a progress bar.

⚠️

Warning   **Do not click Cancel once the installation process begins copying files in the Setup Status screen. Canceling the installation at this point corrupts the installation program.**

You will not be able to install the component without the help of Support. If you decide you do not want to install the component, you must complete the installation and then uninstall.

The **Setup Completed** dialog displays.

Step 17   Click **Finish**.

Verifying Master Connection

Use the Service Control Manager to verify that the master is running.

To verify connection:

Step 1   From the **Start** menu on the master machine, select **Programs >TIDAL Software > Scheduler > Master > Service Control Manager**.

The **Tidal Service Manager** dialog displays.

Step 2   From the **Service** list, select Scheduler Master.

The master status displays at the bottom of the dialog.

Step 3   Click **Start** to start the master if it is not running.

For Unix

To install the Unix master:

Step 1   Copy *install.bin* to the target machine.

Step 2   Change the permissions on the copied *install.bin* file to make the file executable by entering:

chmod 755 install.bin

Step 3   After copying the file to the directory, begin the installation program by entering:

sh ./install.bin

When the installation program starts, the installation splash screen displays.

The **Introduction** panel follows.

Step 4   After reading the introductory text that explains how to cancel the installation or modify an previous entry on a previous screen, click **Next**.

The **Choose Installation Folder** panel displays.

Step 5   Enter the directory path to the location where you wish to install the master files or click **Choose** to browse through the directory tree to the desired directory.

Step 6   Click **Next**.

The **Select Appropriate Master** panel displays.

> **Note**   The master machines, both primary and backup, must have mirror configurations, meaning that both machines must use the same version of operating system and JVM for fault tolerance to operate correctly.

Step 7   Select whether you are installing a primary or backup master.

The only instance you would select the **Backup** option is if you are installing fault tolerance, which requires a special license. If you are installing fault tolerance, install the primary master before you install the backup master.

Step 8   Click **Next**.

The **Select Admiral Database Creation Option** panel displays.

Step 9   Select **Automatic** or **Manual**.

TES requires its own database to store job information. The installation program will create the database automatically unless you select the **Manual** option. The automatic database creation process creates a schema called 'tidal' and three tablespaces:

- ADMIRAL_DATA
- ADMIRAL_INDEX
- ADMIRAL_TEMP

If the schema name or any of the names of the tablespaces is used already, the installation will fail.

Step 10   Click **Next**.

The **Enter DBA UserName and Password** dialog displays.

TES must be able to access the Oracle database. You must provide the user name and password required to access the database. Your DBA can provide this information. The DBA user name is usually the 'system' user. The specified database user will create the 'tidal' schema and its three tablespaces.

Step 11   Click **Next**.

The **JDBC Driver Information** panel displays.

Step 12 Supply the following information so the Unix master can connect to the database:

- Name of the computer that hosts the database

> **Note** The master should not be installed on hosts with underscores in their names or the JMS connections will fail between components.

- Port number to connect to the database
- Name of the Oracle database instance

> **Note** The SID is case-sensitive.

Step 13 Click **Next**.

Test JDBC Connection panel displays.

Step 14 Click **Test JDBC Connection** to verify that the information configuring the database connection is correct.

The installation program must be able to connect to the database before the installation can continue.

> **Note** If the connection to the database cannot be established, an error message displays explaining what needs to be fixed. If the database cannot be accessed you must resolve the issue before proceeding with the installation SID is case-sensitive.

When the program accesses the database, a "Connection Successful" message displays.

Step 15 Click **Next**.

The **Admiral Tablespace Installation** panel displays.

Step 16 Specify the location for the Oracle tablespace directories to be created.

To use Oracle's default tablespace directory location, click **Next**.

To use any location other than the default location, enter the directory paths to the ADMIRAL_DATA, ADMIRAL_INDEX and ADMIRAL_TEMP tablespaces. Do not change the actual datafile names. Change only the directory paths.

If your database is on a Windows platform, be sure to use Windows pathname syntax (for example, **C:\Program Files\Microsoft SQL Server\MSSQL\Data**).

If your database is on the Unix platform, use the proper Unix directory syntax (for example, **/opt/oracle/oradata/Admiral/ADMIRAL_DATA**).

Step 17 Click **Next**.

The **Master Host Name** panel displays.

Step 18 Enter the hostname (or machine name) of the machine that you are installing the Unix master on. Do not use the domain name.

Step 19 Click **Next**.

The **SNMP Information** panel displays.

Step 20   Enter the name of the SNMP server machine.

If you want to use SNMP to send traps in TES, you must tell the Unix master how to connect to the SNMP server.

Step 21   Enter the port number of the SNMP server machine.

The default port number is **162**.

This information can be changed later if necessary.

Step 22   Click **Next** to continue the installation or to skip this step if you are not using SNMP traps.

The **TES SuperUser** dialog displays.

Step 23   Enter the domain name of the initial TES configuration Super User.

Step 24   Enter the name of the initial TES configuration Super User.

Step 25   If you have a Demo license, enter the license number, then click **Next**.

The **Pre-Installation Summary** panel displays.

This screen summarizes the information entered during the installation procedure.

Step 26   Review the information to ensure it is correct.

Step 27   If any information is incorrect, retrace your steps and correct the information by clicking **Previous** until you reach the desired screen.

-or-

If the information is correct, click **Install** to start the installation of the Unix master files.

After the installation process completes, a screen provides a database status report. This report lists the various steps during the creation of the database and if the step was successful.

Step 28   Review the database report for any error notices.

Step 29   If the database was created without any errors, click **Next**.

-or-

If the report displays any errors during database creation, note the errors. You can correct the errors later by manually creating the database. Click **Next**.

Once installation is complete, the **Installation Complete** screen displays.

Step 30   Click **Done** to exit the installer.

Verifying Successful Installation

You should verify that the installation program installed all of the required files.

Verify that all of master files were installed by going to the directory location that you designated during installation and listing the directory contents with the following command:

ls -lF

The seven main file directories (not counting the **UninstallerData** directory) are listed at the top with the contents of the **bin**, **lib** and **config** directories also displayed.

Installing the Agent

In the basic TES network, the master uses a centralized database, containing all calendar and job scheduling information. One or more agent machines execute the production schedule. One or more client machines provides the TES user interface or console. The only prerequisite for the master/agent relationship is that the machine acting as the master must be on the same TCP/IP network as the machines serving as agents.

Scheduler provides agents for Windows environments and agents for Unix environments. This section discusses both installations.

For Windows

To install an agent:

Step 1   Load the installation DVD into your machine's DVD-ROM drive.

Note   If you are not running the install from the installation DVD, skip to Step 4.

The **Scheduler Installation** screen displays.

Step 2   Click the **Tidal Agent for Windows** link.

Step 3   When the dialog display asking to save the file, click **Save File**.

Step 4   Double-click the *Agent_windows_TIDAL Agent.msi* file.

The **Security Warning** dialog displays.

Step 5   Click **Run**.

The **Status** panel displays.

The **Welcome** panel displays.

Note   If any other agents are running on the machine, a dialog notifies you that the agent(s) must be stopped before the installation can continue.

Step 6   Click **Next**.

The **Choose Destination Location** panel displays.

Step 7   Select the directory where the Scheduler files will reside:

- Click **Change** and select the appropriate file.

  -or-

- Accept the default location at **C:\Program Files**.

Step 8   Click **Next**.

The **Agent Port Number** panel displays.

Step 9   Enter the port number that the agent will listen on.

The default port is **5912**.

Step 10   Click **Next**.

The **Ready to Install the Program** panel displays.

Step 11   Click **Install**.

> ✎
> **Note**   Do not click **Cancel** once the installation process begins copying files in the **Setup Status** screen. Canceling the installation at this point corrupts the installation program.
>
> You will not be able to install the component without the help of Support. If you decide you do not want to install the component, you must complete the installation and then uninstall.

The **Setup Completed** panel displays.

Step 12   Click **Finish**.

For Unix

From the Command Line

Before installing the Tidal Agent for Unix, backup your files and gather the following information:

- Name of the user who will own the agent
- Port number for the agent
- Directory path for the Java Virtual Machine (JVM)

To install the agent from the command line:

Step 1   Insert the installation DVD-ROM into the machine you want to install the agent on.

Step 2   Login as root.

Step 3   Copy the *install.sh* and *install.tar* files from the directory on the DVD-ROM (**<DVD-ROM>/agent/unix/command s/b /agent/unix/cmdline**) to your temp directory.

> ✎
> **Note**   Do not unpack the install.tar file. The file will automatically unpack during the installation process

Step 4   Change the permissions on the *install.sh* file in the directory to make the file executable:

chmod 755 install.sh install.tar

Step 5   Begin the installation by entering:

./install.sh

An introduction screen displays as the installation program begins.

Step 6   Type **Y** to continue the installation and press **Enter**.

The **Select the Owner** panel displays.

The top of the screen shows the users defined on the machine you are installing on. In some cases, you may want to select a user who is not defined on the local machine but is defined as a NIS user allowing the user to install over the network.

Step 7   Enter the name of the user to own the agent.

✎
Note   Carefully consider which user to run the agent as. It may be desirable to create a user specifically for this purpose.

Step 8   Press **Enter**.

The **Select the Location** panel displays.

Step 9   Type **y**, then press **Enter.**

The **Agent Configuration Menu** panel displays.

Step 10   Type **1** to select the **Add Instance** option, then press **Enter.**

The **Select the Location for the Agent Files** panel displays.

Step 11   Enter the information you gathered before beginning installation:

- Name to call the agent
- Number of the port the agent should use
- Directory path for the Java binary files (JVM)

Step 12   Press **Enter**.

A confirmation summary screen displays the information that you entered.

Step 13   If the information is correct, press **Enter**.

-or-

If the information is not correct, type **n**. You are prompted again for the name, port number and directory path for the agent.

Verifying the Installation

To verify installation:

Step 1   Click **Start > All Programs > TIDAL Software > TIDAL Service Manager**.

The **Tidal Service Manager** dialog displays.

Step 2   Select **AGENT_1** from the **Services** list.

If the Tidal Service Manager displays the message *AGENT_1: Running* at the bottom, then the agent is running and the installation was successful.

✎
Note   If you want to edit the service parameters, click the ellipsis button to access the **Service Configuration** dialog.

Installing the Client Manager

For Windows

To install Client Manager:

Step 1   Transfer the appropriate installation files to the target machine (binary mode).

Step 2   Double-click *setup.exe*.

The **Security Warning** dialog displays.

Step 3   Click **Run**.

The **Internet Explorer-Security Warning** dialog displays.

Step 4   Click **Run**.

The **InstallShield Wizard Welcome** dialog displays.

Step 5   Click **Next**.

The **Destination Folder** panel displays.

Step 6   Select the directory where the TES files will reside.

- Click **Change** to search for a directory.

    -or-

- Accept the default location **C:\Program Files**.

Step 7   Click **Next**.

TES DSP Name and Master IP panel displays.

Step 8   In the **TES DSP NAME** field, enter the name of your Data Source (TES 6.2) Plug-in.

This value can be anything you want it to be. The default is `tes-6.2`.

> ✎
>
> **Note**   Architecturally, the Client Manager is written to be a generic container of plug-ins and is not TES-specific. The TES-specific parts of the UI are in TES plug-in.

Step 9   In the **Primary Server IP** field, enter the host name or IP address for your primary master. The default port is **6215**.

Step 10   If using Fault Tolerance, in the **Backup Server IP** field, enter the IP address for your backup master.

Step 11   Click **Next**. The **Cache Database Server** panel displays.

By default, **Internal Cache DB server** is selected. Alternatively, external DB servers may be provisioned to run Cache Database.

Step 12   Click **Next**.

The **Database Server Credentials** panel displays if you selected an external database server.

Step 13   Enter the credentials for the selected external database, then click **Next**.

The **Active Directory/LDAP Authentication** panel displays.

Step 14   Select an option, then click **Next**.

If configuring the Client Manager to use the **Active Directory** option, the **Active Directory Authentication** panel displays.

If configuring the Client Manager to use the **LDAP** option, the **LDAP Authentication** panel displays.

Step 15   For Active Directory, enter the following information:

- Host – Enter the hostname or IP address for the Active Directory server.
- User Search Prefix – Enter the location you want Active Directory to search for users.
- Group Search Prefix – Enter the location you want Active Directory to search for groups.
- Port – Enter the port number for the AD server.

-or-

For LDAP, enter the following information:

- Hostname – Enter the hostname or IP address for the LDAP server.
- Port – Enter the port number for the LDAP server.
- BindDN – Enter the user account to query the LDAP server.
- UserObjectClass – Specify a valid object class for the BindDB user. Only users who posses one or more of these objectClasses will be permitted to authenticate.
- UserBindDN – Enter the user account to query the LDAP server.
- User-role based access for Oracle/Sun Directory Server – Select this option if your TES 6.2 Web Client user authentication is defined to use Oracle/Sun Directory Server with role-based access.
- GroupBindDN – Enter the group account to query the LDAP server.

Step 16   Click **Next**.

The **Ready to Install the Program** panel displays.

Step 17   Click **Install**.

The **Installing Tidal Client Manager** panel displays.

Step 18   If any information is incorrect, retrace your steps and correct the information by clicking **Back** until you reach the desired screen.

-or-

If the information is correct, click Install to start the installation of the Client Manager files.

The **Installing Tidal Client Manager** panel displays.

The status of your client installation is displayed with a progress bar.

⚠
Caution   Do not click **Cancel** once the installation process begins copying files in the **Setup Status** dialog. Canceling the installation at this point corrupts the installation program.You will not be able to install the component without the help of support. If you decide you do not want to install the component, complete the installation and then uninstall.

The **Setup Completed** panel displays.

Step 19   Click **Finish**.

✎

Note   The first time the Client Manager is started, it initializes its data from the master. Depending upon the amount of data, this could take up to 20 minutes.

Verifying Successful Installation

You should verify that the installation program installed all of the required files.

Verify that Client Manager files were installed by going to the directory location that you designated during installation.

The seven main file directories (not counting the **UninstallerData** directory) are listed at the top with the contents of the bin, lib and config directories also displayed.

For Unix

To install Client Manager for Unix:

Step 1   Copy *install.bin* to the target machine.

Step 2   Change the permissions on the copied *install.bin* file to make the file executable by entering:

chmod 755 install.bin

Step 3   After copying the file to the directory, begin the installation program by entering:

sh ./install.bin

When the installation program starts, the installation splash screen displays.

The **Introduction** panel follows.

Step 4   After reading the introductory text that explains how to cancel the installation or modify an previous entry on a previous screen, click **Next**.

The **Choose Installation Folder** panel displays.

Step 5   Enter the directory path to the location where you wish to install the master files or click **Choose** to browse through the directory tree to the desired directory.

Step 6   Click **Next**.

The **Get TES DSP Name and master IP** panel displays.

Step 7   In TES **DSP NAME** field, enter the name of your Data Source (TES 6.2) Plug-in.

This value can be anything you want it to be. The default is **tes-6.2**.

✎

Note   Architecturally, the Client Manager is written to be a generic container of plug-ins and is not TES-specific. The TES-specific parts of the UI are in TES plug-in.

Step 8   In the **Primary Server IP** field, enter the host name or IP address for your primary master. The default port is **6215**.

Step 9   If using Fault Tolerance, in the **Backup Server IP** field, enter the IP address for your backup master.

Step 10   Click **Next**.

The **Get Cache Database Location** panel displays.

By default, the legacy internal embedded server is selected. For Enhanced performance, select Oracle as the Cache CB server.

Step 11   Click **Next**.

If the Oracle server is selected, the **Get External Oracle Database Server Info Panel** displays.

Step 12   Enter the required authentication information, then click **Next**.

The **Active Directory/LDAP Authentication** panel displays.

Step 13   Select an option, then click **Next**.

If configuring the Client Manager to use the **Active Directory** option, the **Active Directory Authentication** panel displays.

If configuring the Client Manager to use the **LDAP** option, the **LDAP Authentication** panel displays.

Step 14   For Active Directory, enter the following information:

- Host – Enter the hostname or IP address for the Active Directory server.
- User Search Prefix – Enter the location you want Active Directory to search for users.
- Group Search Prefix – Enter the location you want Active Directory to search for groups.
- Port – Enter the port number for the AD server.

-or-

For LDAP, enter the following information:

- Hostname – Enter the hostname or IP address for the LDAP server.
- Port – Enter the port number for the LDAP server.
- BindDN – Enter the user account to query the LDAP server.
- UserObjectClass – Specify a valid object class for the BindDB user. Only users who posses one or more of these objectClasses will be permitted to authenticate.
- UserBindDN – Enter the user account to query the LDAP server.
- User-role based access for Oracle/Sun Directory Server – Select this option if your TES Web Client user authentication is defined to use Oracle/Sun Directory Server with role-based access.
- GroupBindDN – Enter the group account to query the LDAP server.

Step 15   Click **Next**.

The **Pre-Installation Summary** panel displays.

This screen summarizes the information entered during the installation procedure.

Step 16   Review the information to ensure it is correct.

Step 17   If any information is incorrect, retrace your steps and correct the information by clicking **Previous** until you reach the desired screen.

-or-

If the information is correct, click **Install** to start the installation of the Client Manager files.

The **Installing Tidal Client Manager** panel displays.

The status of your installation is displayed with a progress bar.

The **Install Complete** panel displays.

Step 18   Click **Done** to exit the installer.

✎
Note   The first time the Client Manager is started, it initializes its data from the master. Depending upon the amount of data, this could take up to 20 minutes.

Installing Client Manager from a Command Line

To install Client Master from a command line:

Step 1   Copy *install.bin* to the target machine.

Step 2   Change the permissions on the copied *install.bin* file to make the file executable by entering:

chmod 755 install.bin

Step 3   After copying the file to the directory, begin the installation program by entering:

sh./install.bin -i console

The following screen displays as the installation program begins.

When the installation program starts, the **Introduction** panel displays.

Step 4   After reading the introductory text that explains how to cancel the installation or modify an previous entry on a previous screen, press **Enter**.

The **Choose Installation Folder** panel displays.

Step 5   Enter the directory path to the location where you wish to install the Client Manager files, then press **Enter**.

Step 6   Verify the path you entered, then press **Enter**.

The **Get TES DSP Name and master IP** panel displays.

✎
Note   The master machines, both primary and backup, must have mirror configurations, meaning that both machines must use the same version of operating system and JVM for fault tolerance to operate correctly.

Step 7   Enter the name of your Data Source (TES 6.2) Plug-in, then press **Enter**.

Step 8   Enter the host name or IP address for your primary master, then press **Enter**.

Step 9   Enter the port number for the primary master, then press **Enter**.

Step 10   Enter the host name or IP address for your backup master, then press **Enter**.

Step 11   Enter the port number for the backup master, then press **Enter**.

Step 12   If using Fault Tolerance, enter the IP address for your backup master, then press **Enter**.

The **Get Authentication Method** screen displays.

Step 13   Enter **1** for the **Active Directory** option or **2** for the **LDAP** option, then press **Enter**.

Step 14   For Active Directory, enter the following information:

- Host – Enter the hostname or IP address for the Active Directory server.
- User Search Prefix – Enter the location you want Active Directory to search for users.
- Group Search Prefix – Enter the location you want Active Directory to search for groups.

- Port – Enter the port number for the AD server.

> **Note** Contact your IT Administrator for Active Directory/LDAP authentication values.

-or-

For LDAP, enter the following information:

- Hostname – Enter the hostname or IP address for the LDAP server.
- Port – Enter the port number for the LDAP server.
- BindDN – Enter the user account to query the LDAP server.
- UserObjectClass – Specify a valid object class for the BindDB user. Only users who posses one or more of these objectClasses will be permitted to authenticate.
- UserBindDN – Enter the user account to query the LDAP server.
- User-role based access for Oracle/Sun Directory Server – Enter **1** for **Yes** if your TES Web Client user authentication is defined to use Oracle/Sun Directory Server with role-based access.

Step 15 Press **Enter**.

The **Pre-Installation Summary** screen displays.

Step 16 Press **Enter**.

The **Installing** screen displays.

Once installation is complete, the **Installation Complete** screen displays.

Step 17 Press **Enter** to exit the installer.

Verifying Successful Installation

You should verify that the installation program installed all of the required files.

Verify that Client Manager files were installed by going to the directory location that you designated during installation and listing the directory contents with the following command:

ls -lF

The seven main file directories (not counting the **UninstallerData** directory) are listed at the top with the contents of the **bin**, **lib** and **config** directories also displayed.