

HP Service Test Management

for the Windows operating system

Software Version: 10.50

Installation Guide

Document Release Date: April 2010

Software Release Date: April 2010



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Welcome to This Guide

Welcome to the HP Service Test Management Installation Guide. Service Test Management is an extension for HP Quality Center that allows you to manage application components such as Web Services, REST services, and others, within the Quality Center repository. This guide describes how to install and set up HP Service Test Management.

- ▶ [How This Guide Is Organized](#) on page 5
- ▶ [Who Should Read This Guide](#) on page 7
- ▶ [HP Service Test Management Online Documentation](#) on page 7
- ▶ [Additional Online Resources](#) on page 7

How This Guide Is Organized

This guide contains the following sections:

Section 1 **Requirements for Service Test Management**

Provides the requirements and prerequisites for installing HP Service Test Management.

Section 2 **The Installation Process**

Provides you with the information that helps you prepare for the installation process.

Section 3 Installing Service Test Management

Describes how to install HP Service Test Management on a Windows machine.

Section 4 Loading the Service Test Management License

Describes the process for requesting and activating a license code for your copy of Service Test Management.

Section 5 Enabling the Service Test Management Extension

Describes how to enable the Service Test Management extension in Quality Center.

Section 6 Installing the Service Test Add-in for Quality Center

Describes how to install the Service Test add-in for Service Test Management which adds several SOA utilities.

Section 7 Uninstalling Service Test Management

Describes how to uninstall HP Service Test Management.

Section 8 Upgrading Service Test Management

Describes how to upgrade HP Service Test Management and Quality Center projects to version 10.50.

Section 9 Manual Client Installations

Describes how to manually install Quality Center and Service Test Management clients for environments where automatic downloading and registering are prohibited.

Who Should Read This Guide

This guide is intended for users who need to install and set up HP Service Test Management.

Readers of this guide should have some knowledge of system administration.

HP Service Test Management Online Documentation

Service Test includes the following online documentation:

Readme provides last-minute news and information about Service Test Management. You access the Readme from Installation folder.

Books Online/Printer-Friendly Documentation includes PDF versions of the documents. Click the **Help** button and choose **Books Online**.

Online Help is available from specific Service Test Management windows by clicking in the window and pressing **F1** or clicking the **Help** button.

Additional Online Resources

Troubleshooting & Knowledge Base accesses the Troubleshooting page on the HP Software Support Web site where you can search the Self-solve knowledge base. Choose **Help > Troubleshooting & Knowledge Base**. The URL for this Web site is <http://h20230.www2.hp.com/troubleshooting.jsp>.

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Setting Up Service Test Management

This chapter describes the installation requirements and setup procedures for using Service Test Management in Quality Center.

This chapter includes:

- ▶ [Requirements for Service Test Management](#) on page 10
- ▶ [The Installation Process](#) on page 10
- ▶ [Installing Service Test Management](#) on page 12
- ▶ [Loading the Service Test Management License](#) on page 20
- ▶ [Enabling the Service Test Management Extension](#) on page 21
- ▶ [Installing the Service Test Add-in for Quality Center](#) on page 22
- ▶ [Uninstalling Service Test Management](#) on page 24
- ▶ [Upgrading Service Test Management](#) on page 32
- ▶ [Manual Client Installations](#) on page 35

Requirements for Service Test Management

To use Service Test Management 10.50, you must have the following installed:

- ▶ Quality Center 10.00 with Patch 9 on your server machine. Patch 12 or higher is recommended.
- ▶ Recommended: Service Test version 9.53, or version 9.10 with Feature Pack 9.17, or the Service Test 9.53 Add-in for Quality Center (on your client machine).

The minimum system requirements to run Service Test Management are the same as for Quality Center, as described in the *HP Quality Center Installation Guide*.

The Installation Process

This section describes the Service Test Management installation process.

To install Service Test Management:

- 1 Ensure that Quality Center 10.00 with Patch 9 or higher is installed on your server machine.**

For more information on installing Quality Center, refer to the *HP Quality Center Installation Guide*.

- 2 Install Service Test Management 10.50 on your server machine.**

Run the setup for Service Test Management, as described in “Installing Service Test Management” on page 12.

- 3 Load the Service Test Management license.**

For more information, see “Loading the Service Test Management License” on page 20.

- 4 Enable the Service Test Management extension in Quality Center Site Administration for every project that requires Service Test Management.**

For more information, see “Enabling the Service Test Management Extension” on page 21.

5 Install Service Test or the Service Test Add-in for Quality Center.

To use all the features in Service Test Management, you must install HP Service Test 9.53 or version 9.10 with the 9.17 Feature Pack. Alternatively, you can install the Service Test Add-in for Quality Center (add-in version 9.53) on each client machine from which you want to use the extension. Earlier versions of Service Test or the Service Test Add-in for Quality Center are not compatible with Service Test Management 10.50.

For more information on installing Service Test, refer to the *HP Service Test Installation Guide*. For more information on installing the Service Test Add-in, see “Installing the Service Test Add-in for Quality Center” on page 22.

Installing Service Test Management

The setup program provides a wizard that guides you through the installation.

To install Service Test Management:

- 1 Insert the Service Test Management installation DVD into the DVD drive and run the appropriate file.

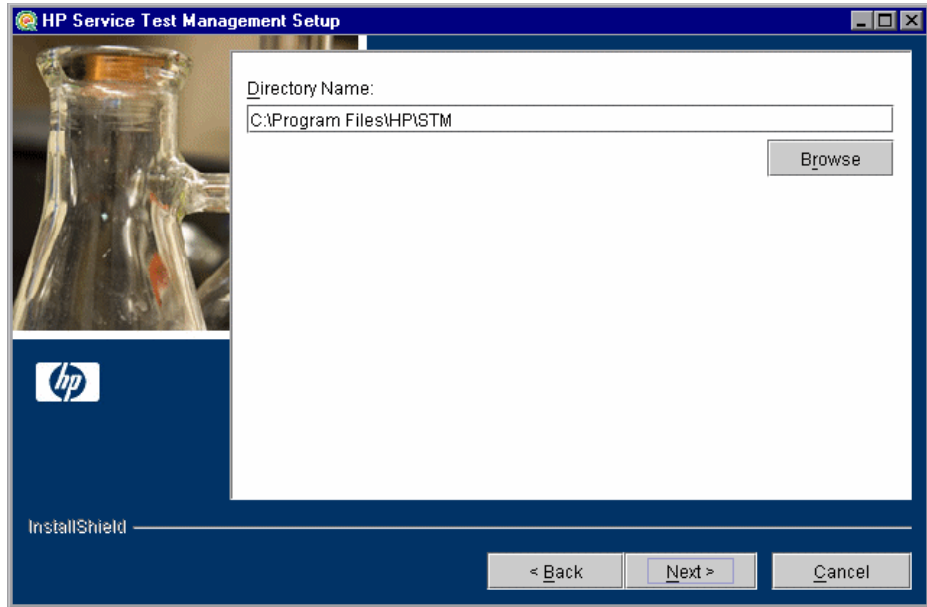
Platform	To install:
Windows	Run the setup.exe file.
Solaris or Linux (console mode)	<ul style="list-style-type: none"> ▶ To install on a Solaris platform, type: ./setupSolaris.bin -console ▶ To install on a Linux platform, type: ./setupLinux.bin -console
Solaris, Linux, or AIX (UI mode)	<p>Make sure that the DISPLAY environment variable is properly configured on the Quality Center host machine, and that the machine from which you are installing is running an X-server (for example, Exceed).</p> <ul style="list-style-type: none"> ▶ To install on a Solaris platform, type: ./setupSolaris.bin ▶ To install on a Linux platform, type: ./setupLinux.bin ▶ To install on an AIX, type: ./setupAix.bin

- 2 If you have installed a previous version of Service Test Management, a warning message opens. Click **Yes** to overwrite the existing files.
- 3 The Welcome dialog box opens. Click **Next**.
- 4 The License Agreement dialog box opens.

Read the license agreement. To accept the terms of the license agreement, select **I accept the terms of the license agreement**.

Click **Next**.

- 5 The Directory Name dialog box opens.



Accept the proposed folder for the Service Test Management installation or browse for an alternate folder.

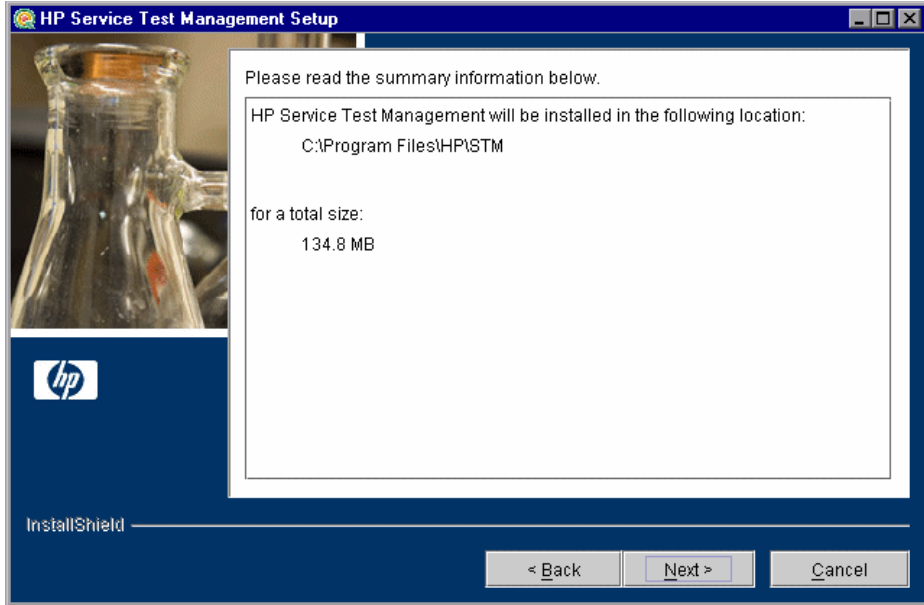
Click **Next**.

- 6 The HP Quality Center Repository Path dialog box opens.

Browse for the location of the Quality Center repository. The installation screen displays the default path.

Click **Next**.

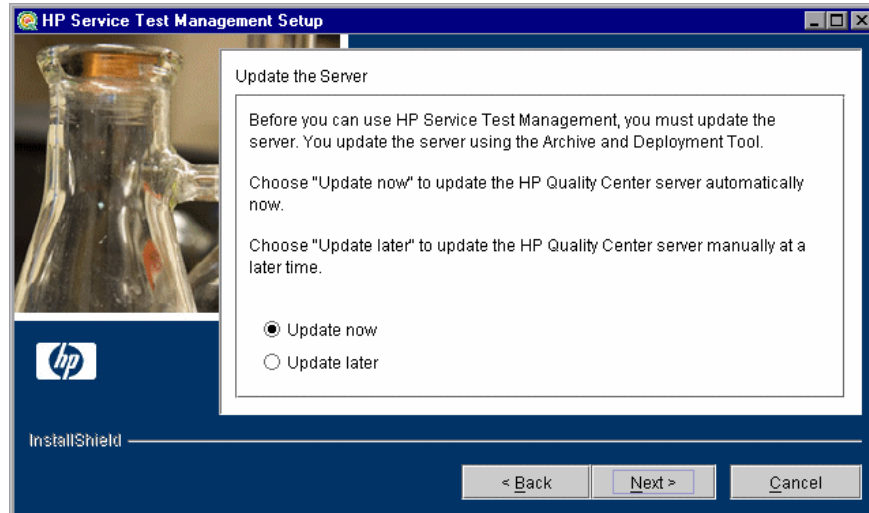
7 The Installation Summary dialog box opens.



To review or change any settings, click **Back**.

To accept the settings and start the installation, click **Next**. The installation process starts.

- 8 When the installation process completes, the Update the Server dialog box opens.



When you update the Quality Center server, the Service Test Management files are copied into the opened archive directories (for example **20qcbn.war** and **30stm.war**) in the **<Quality Center Installation>\application** directory, and the Quality Center Archive and Deployment Tool is launched. This tool enables you to update the running Quality Center Web server.

Select an update option:

- **Update now.** To update the Quality Center archive files and launch the deployment tool now (for JBoss only).
- **Update later.** To manually update the Quality Center server at a later time. You must update the Quality Center server before you can use HP Service Test Management.

Click **Next**.

- 9 If you selected **Update now**, proceed to step 10.

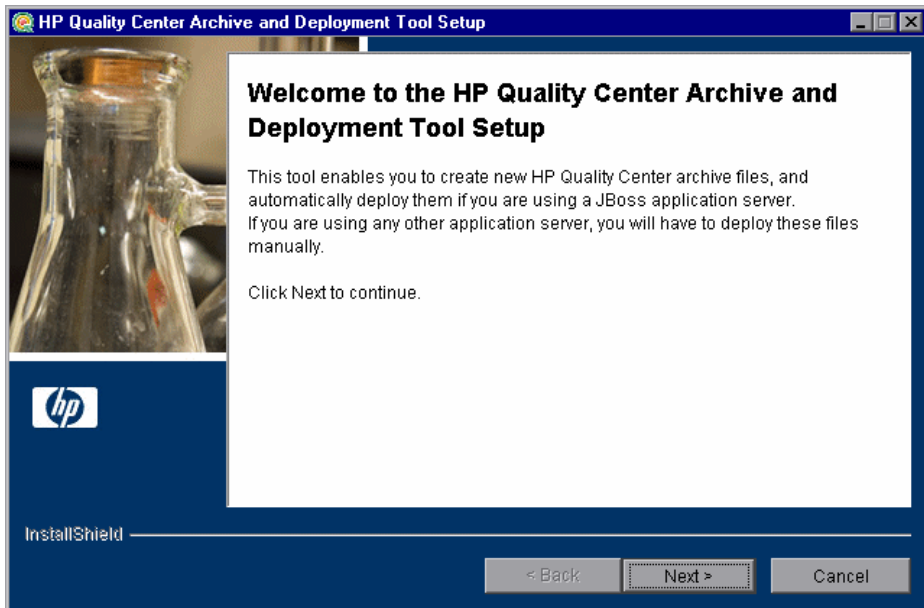
If you selected **Update later**, click **Next** and then click **Finish** to close the installation setup dialog box. When you are ready to update the application server, run the **deploy.bat** script (or **deploy.sh** for Solaris or Linux) from the **<Service Test Management installation>** directory. When running the batch file, specify the Quality Center installation directory and the location of the Quality Center repository, using the format:

```
deploy <Quality Center installation directory> <Quality Center repository directory>
```

For example:

```
deploy "C:\Program Files\HP\Quality Center" "C:\Program Files\Mercury\Quality Center\repository"
```

- 10 After clicking **Update now** or manually launching the batch file, the Quality Center Archive and Deployment Tool opens.



For Service Test Management to work with Quality Center, you need to create a new archive and redeploy the **qcbn.war** and **stm.war** files on the application server. This enables changes to the archive files to take effect.

Click **Next** to create the new archive files.

- 11** If your application server is JBoss, proceed to step 12.

If your application server is other than JBoss, the installation screen informs you that you must redeploy HP Quality Center manually on the application server after the setup, before changes can take effect. The screen also shows the location of the archive files.

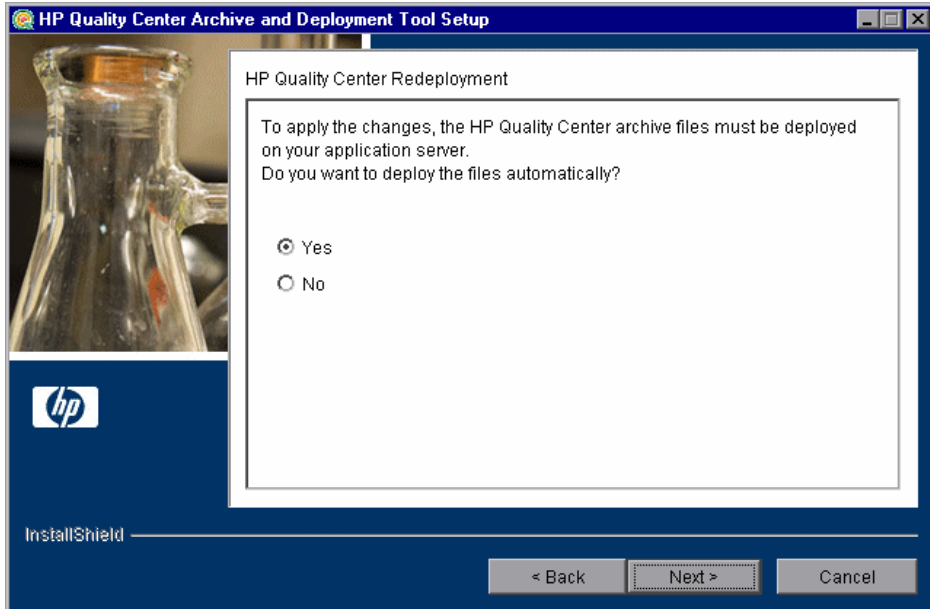
The updated archive files are stored in different formats, although the content is the same. The files are stored in the **30stm.war** and **20qcbn.war** folders (These names may differ per platform. Refer to the Readme file limitations for details).

Note: For more information on manually deploying Quality Center on an application server, refer to the *HP Quality Center Installation Guide*.

Click **Next** and proceed to step 14.

- 12** If your application server is JBoss, the HP Quality Center Redeployment dialog box opens.

If your application server is other than JBoss, proceed to step 14. To deploy the artifacts on non-JBoss servers, rename the files and remove the number prefix.

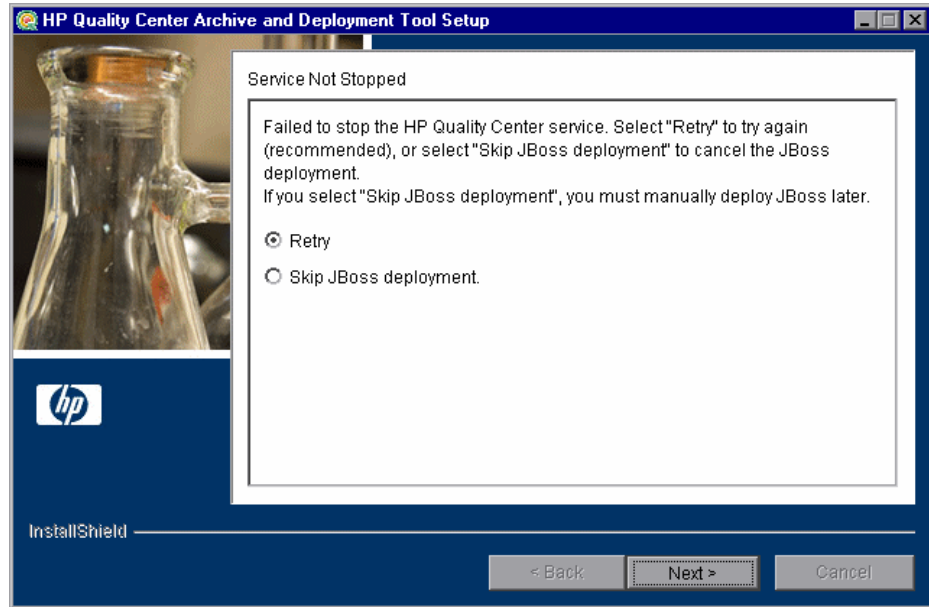


Choose one of the following options:

- **Yes.** To deploy the archive files automatically.
- **No.** To manually deploy the archive files later.

Click **Next**.

- 13** If the Quality Center service is running, the Archive and Deployment Tool automatically attempts to stop the service. If the tool is unable to stop the service, the Service Not Stopped dialog box opens.



Choose one of the following options:

- **Retry.** To try again to stop the JBoss service.
- **Skip JBoss deployment.** To cancel the deployment and manually deploy JBoss later.

Click **Next**.

- 14** When the deployment is complete, the Completion dialog box opens. Click **Finish** to close the Quality Center Archive and Deployment Tool.

Note: If you manually deployed the archive files on your application server, you must restart Quality Center after deployment.

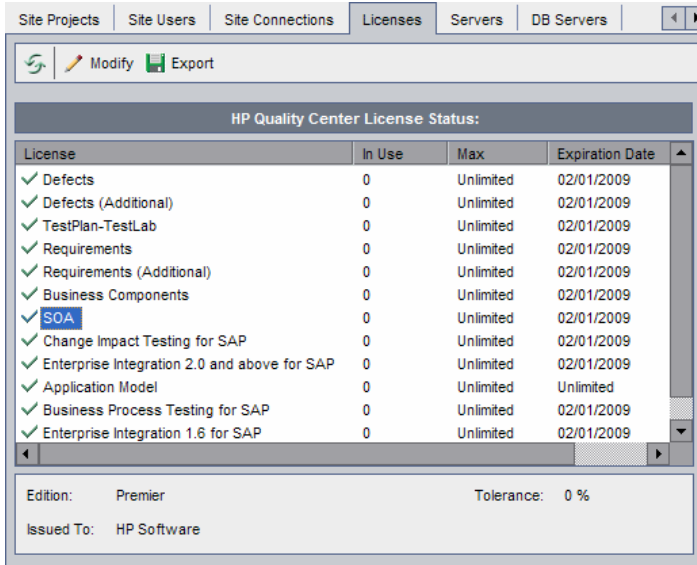
- 15** Click **Finish** to close the HP Service Test Management Setup dialog box.

Loading the Service Test Management License

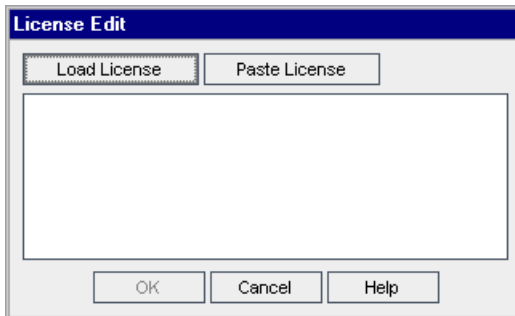
After installing Service Test Management on your Quality Center server, you must load your Service Test Management license in Site Administration to enable the **Application Components** module in Quality Center.

To load the Service Test Management license:

- 1 In Site Administration, click the **Licenses** tab.



- 2 Click the **Modify** button. The License Edit dialog box opens.



- 3 Click the **Load License** button and select the Service Test Management license file. Alternatively, copy the license file and click **Paste License**.
- 4 Click **OK**. The SOA license is displayed in the list of HP Quality Center licenses.

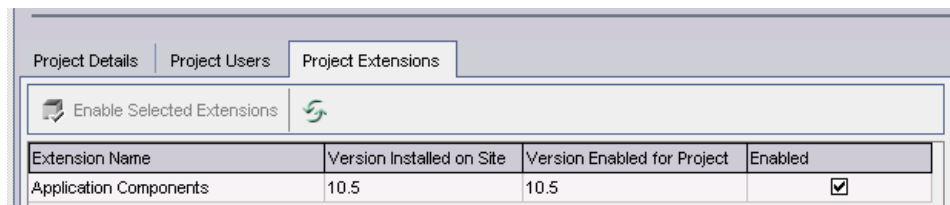
Enabling the Service Test Management Extension

After loading the Service Test Management license, you must enable the Service Test Management extension for a project before you can use it with the project.

Important: You cannot disable an extension for a project after you enable it.

To enable the Service Test Management extension for a project:

- 1 In Site Administration, click the **Site Projects** tab.
- 2 In the Projects list, select a project. In the right pane, click the **Project Extensions** tab. This tab is available only if you have a license for at least one extension and the extension is installed on the Quality Center server. The Extensions list is displayed, listing extensions installed on the Quality Center server.



Extension Name	Version Installed on Site	Version Enabled for Project	Enabled
Application Components	10.5	10.5	<input checked="" type="checkbox"/>

- 3 Select **Application Components** in the **Extension Name** column. Select the check box in the **Enabled** column.



- 4 To refresh the Extensions list, click the **Refresh** button.
- 5 Verify that the **Version Enabled for Project** is 10.5.

Installing the Service Test Add-in for Quality Center

The Service Test Add-in for Quality Center provides extended functionality to Service Test Management, enabling you to do the following in the Application Components module:

- ▶ Import service WSDL files from a file system, URL, UDDI or Systinet server.
- ▶ Import service WSDL files that reside in secure locations or that are accessed through proxy servers.
- ▶ Generate requirements and tests using the Requirement and Test Generation wizard.
- ▶ Perform manual and automatic test runs, or spot testing.

Note: The functionality provided by the Service Test add-in is included in Service Test. If you have already installed Service Test on your Quality Center client machine, or you intend to install it before using Service Test Management, you do not need to install this add-in. For more information on installing Service Test, refer to the *HP Service Test User's Guide*.

If you do not install the add-in, you can still use the Application Components module in Viewer mode. This mode is suitable for business services users, such as QA managers and SOA architects who want to view data on the quality process, create component coverage, link application components to requirements and tests, and produce reports or graphs.

You can install the Service Test Add-in for Quality Center from the following locations:

- ▶ Service Test Management installation DVD. To install the add-in, run the **ServiceTestPlugin.exe** file.
- ▶ Quality Center Add-ins page. For more information, see “Installing the Add-in from the Quality Center Add-ins Page” on page 23.

Installing the Add-in from the Quality Center Add-ins Page

You can install the Service Test Add-in from the Quality Center Add-ins page.

Note: To install this add-in, you must log in with administrator privileges.

To install the add-in from the Quality Center Add-ins page:

- 1 Open your Web browser and type your Quality Center URL:
`http://<Quality Center server name>[:<port number>]/qcbn.`
The HP Quality Center Options window opens.
- 2 Click the **Add-ins** page link. The Quality Center Add-ins page opens.
- 3 Click the **More HP Quality Center Add-ins** link. The More HP Quality Center Add-ins page opens.
- 4 In the **Quality Center Administrator Add-ins** section, under **HP Tool Add-ins**, click the **HP Service Test Add-in for Quality Center** link. The HP Service Test Add-in for Quality Center page opens.
- 5 Click the **Download HP Service Test Add-in for Quality Center** link to download the add-in.
- 6 Follow the on-screen installation instructions.

Uninstalling Service Test Management

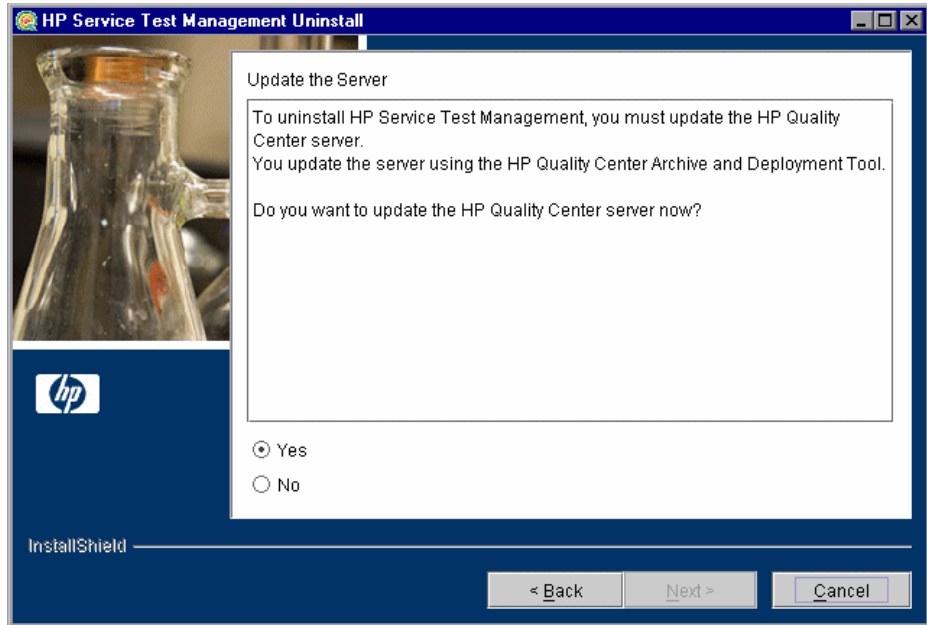
This section describes how to uninstall Service Test Management from your Windows, Solaris, or Linux server machine. When you uninstall Service Test Management, the Service Test Management files are deleted from Quality Center.

To uninstall Service Test Management from Windows:

- 1 Make sure that the application server is running.
- 2 To open the HP Service Test Management Uninstall dialog box, you can:
 - ▶ Choose **Control Panel > Add/Remove Programs**, select **HP Service Test Management**, and click the **Change/Remove** button. Follow the instructions on your screen.
 - ▶ Locate the Service Test Management home directory. By default, the files are stored in [drive]:\Program Files\HP\STM. In the **_uninst** subdirectory, double-click **uninstall.exe**.

The HP Service Test Management Uninstall dialog box opens.

3 Click **Next**. The Update the Server dialog box opens.



Select an update option:

- **Yes.** To update the archive files and launch the deployment tool now.
- **No.** To uninstall later.

Click **Next**.

4 The Quality Center Archive and Deployment Tool opens.



To uninstall Service Test Management, you need to create a new archive and redeploy the Quality Center and Site Administration war files on the application server. This enables changes to the war files to take effect.

Click **Next** to create the new archive files.

5 If your application server is JBoss, proceed to step 6.

If your application server is other than JBoss, the installation screen informs you that you must redeploy Quality Center manually on the application server after the setup process completes. The location of the archive files is shown in the dialog box.

The updated archive files are stored in different formats, although the content is the same. The files are stored in the **30stm.war** and **20qcbin.war** folders (these names may vary according to the platform).

To update the archives and undeploy them manually, run the **undeploy.bat** script (or **undeploy.sh** for Solaris or Linux) from the **<Service Test Management installation>** directory. When running the batch file, specify the Quality Center installation directory and the location of the Quality Center repository, using the format:

```
undeploy <Quality Center installation directory> <Quality Center repository directory>
```

For example:

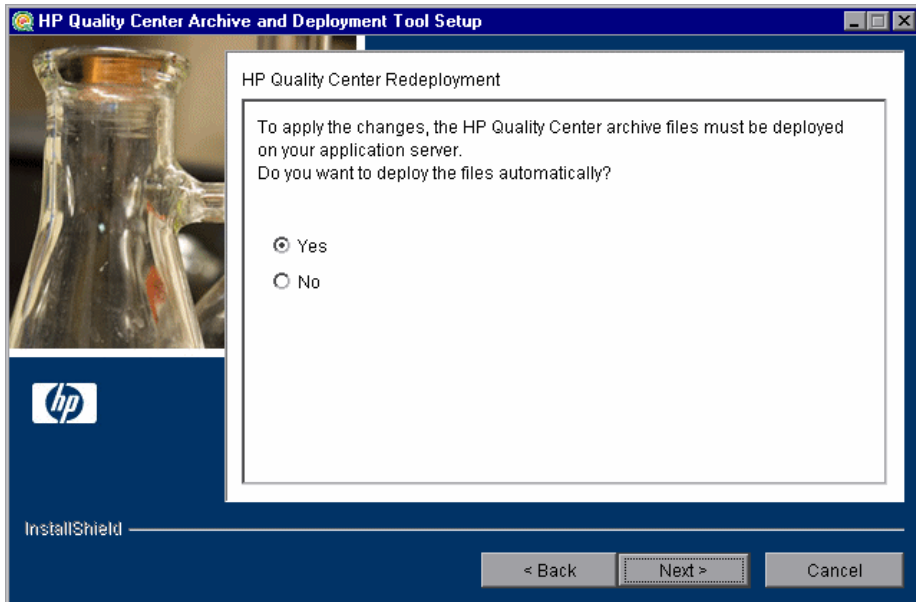
```
undeploy "C:\Program Files\HP\Quality Center" "C:\Program Files\Mercury\Quality Center\repository"
```

Note: For more information on manually deploying Quality Center on an application server, refer to the *HP Quality Center Installation Guide*.

Click **Next** and proceed to step 8.

- 6 If your application server is other than JBoss, proceed to step 8.

If your application server is JBoss, the HP Quality Center Redeployment dialog box opens.

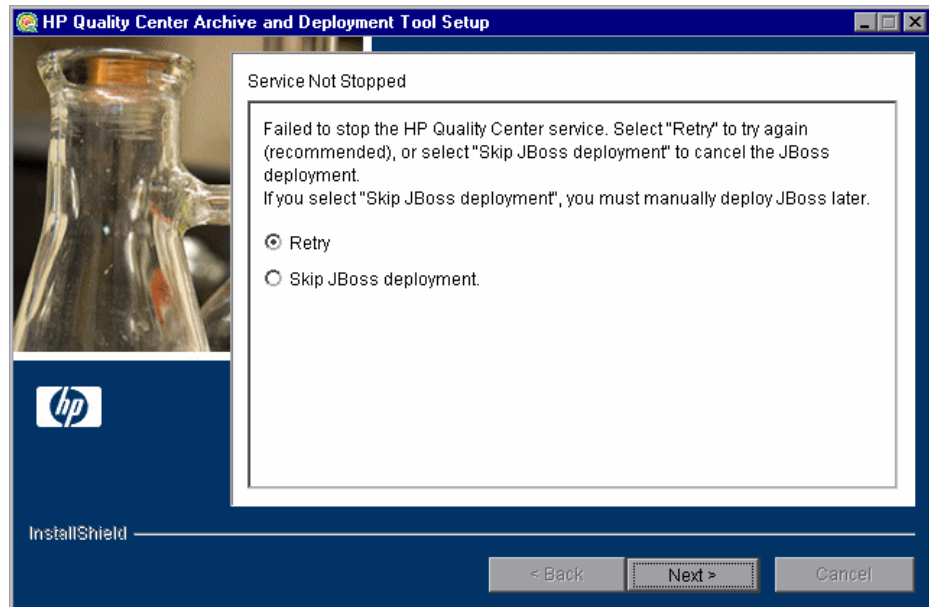


Choose one of the following options:

- **Yes.** To deploy the archive files automatically.
- **No.** To manually deploy the archive files later.

Click **Next** to continue.

- 7 If the Quality Center service is running, the Archive and Deployment Tool automatically attempts to stop the service. If the tool is unable to stop the service, the Service Not Stopped dialog box opens.

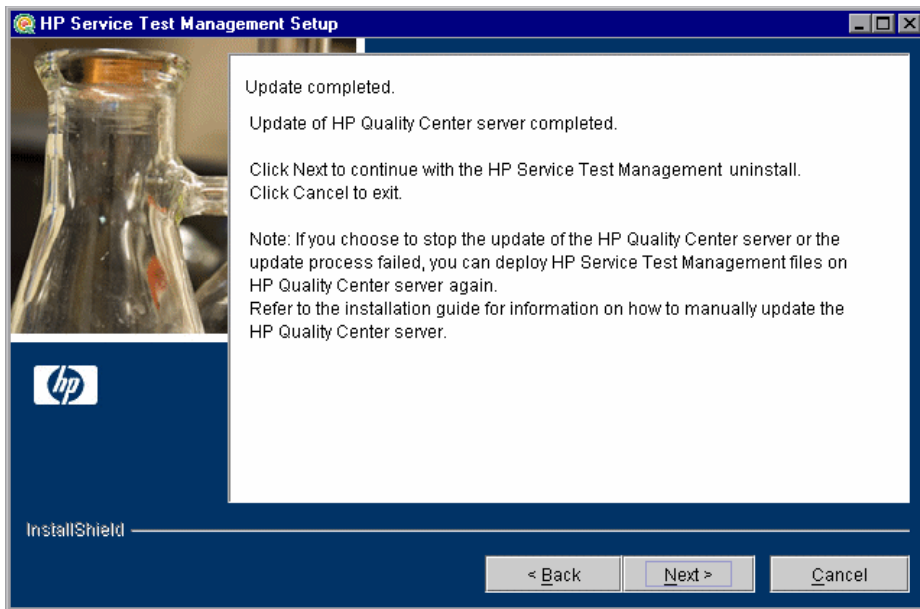


Choose one of the following options:

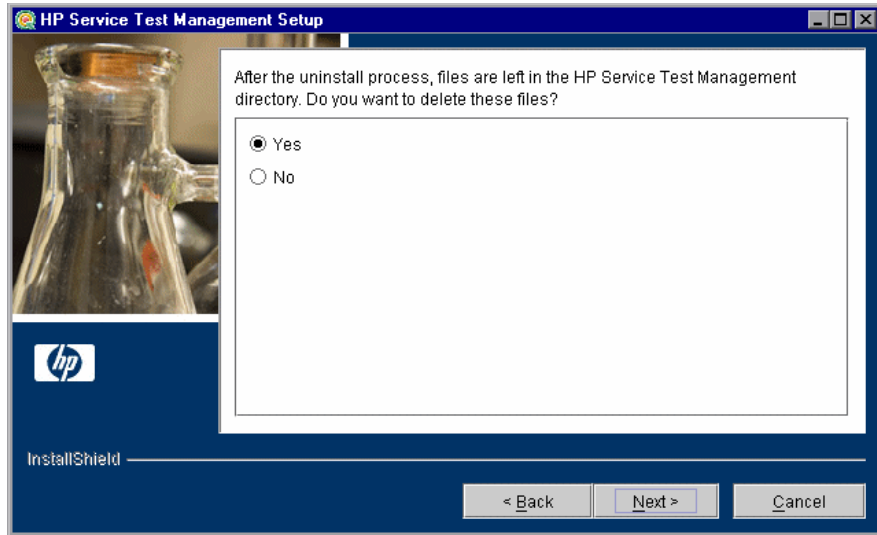
- **Retry.** To try again to stop the JBoss service.
- **Skip JBoss deployment.** To cancel the deployment and manually deploy JBoss later.

Click **Next**.

- 8 When the deployment is complete, the Completion dialog box opens. Click **Finish** to close the Quality Center Archive and Deployment Tool Setup. The HP Service Test Management Uninstall dialog box is displayed.
- 9 Click **Next**. The Update completed dialog box opens.



- 10 Click **Next** to continue.



It is recommended that you click **Yes** to delete the remaining uninstall files in the Service Test Management directory.

Click **Next**.

- 11 Click **Finish** to close the HP Service Test Management Uninstall dialog box.

To uninstall Service Test Management from Linux or Solaris:

- 1 Make sure that the application server is running.
- 2 Type the following command at the system prompt:

```
/[directory]/[Service_Test_Management_directory]/_uninst/uninstall.bin
```

 The Service Test Management Uninstall wizard opens.
- 3 Click **Next**. Follow the on-screen instructions.
- 4 Run the Quality Center Archive and Deployment Tool to create a new archive and redeploy the Quality Center and Site Administration .war files on the application server.
- 5 When Service Test Management prompts you to delete all add-in files, select **Yes**.

Upgrading Service Test Management

The following sections section describes how to upgrade Service Test Management and existing projects to version 10.50.

Cascaded Upgrades

When performing a cascaded upgrade from Service Test Management 9.2 to 9.4x, and then to version 10.x, you must manually remove the certificates. First, perform an upgrade from 9.2 to 9.41 and then manually remove the **sv_ssl_certificate** and **sv_use_ntlm** certificates. Proceed with the upgrade from 9.41 to 10.01 as described below.

Upgrading Service Test Management 9.4x to Version 10.x

This section describes how to upgrade the version of the Service Test Management Extension to Quality Center.

To perform an upgrade:

- 1** Uninstall Service Test Management 9.4x as described in “Uninstalling Service Test Management” on page 24.
- 2** Uninstall Quality Center version 9.2 and install version 10.00 and patch 9 or higher (Patch 12 is recommended).
- 3** Install Service Test Management version 10.50 as described in “Installing Service Test Management” on page 12.
- 4** Launch **Site Administrator** from the Quality Center homepage. Provide credentials and log in.
- 5** In the left pane’s Projects list, select a project to upgrade.
- 6** From the right-click menu, choose **Maintain Project > Upgrade Project**. Follow the on-screen upgrade instructions to complete the upgrade.
- 7** Select the **Project Extensions** tab. Verify that values in the **Version Installed on Site** and **Version Enabled for the Project** table cells are 10.5.

Moving a Project to a Another Machine

This section describes how to move a project from one machine to another and perform an upgrade on the project. This is useful if you already have a machine with Quality Center 10.00.

To move and upgrade a project:

- 1** Check that you have Quality Center 10.00 with Patch 9 or higher, and Service Test Management 10.50 on the new machine. Verify that the database software version is supported by Quality Center 10.00, for example MSSQLServer 2005. For more information about supported databases, see the *Quality Center Administrator Guide*.
- 2** On the machine with the earlier version, launch **Site Administration** from the Quality Center homepage. Provide credentials and log in.
- 3** In the left pane's Project list, select a project and choose **Remove Project**. This will not delete the project repository or database—it only removes the reference to the project from the site.
- 4** Copy the source project from the machine with earlier version, to the target machine with version 10.00, into the Quality Center repository folder.

Note: If the local path of the repository on the 10.00 machine differs from that of the machine with the earlier version, you need to edit the **dbid.xml** file in the repository on the 10.00 machine. Open the file and update the **PHYSICAL_DIRECTORY** element to the correct path.

- 5** On the 10.00 machine, launch **Site Administration** from the Quality Center homepage. Provide credentials and log in.
- 6** Select the **DB Servers** tab and verify that there is a database with the same name as the original machine with the earlier version.
- 7** Locate the **dbid.xml** file in the project repository. Verify that the database details are correct.
- 8** Click a target domain on the 10.00 machine and select **Restore Project** from the right-click menu. This references the copied project with the same project database.

- 9 From the right-click menu, choose **Maintain Project > Upgrade Project**. Follow the on-screen upgrade instructions to complete the upgrade.
- 10 Select the **Project Extensions** tab. Verify that values in the **Version Installed on Site** and **Version Enabled for the Project** table cells are 10.5.

Manual Client Installations

In most deployments of Quality Center and Service Test Management, your browser downloads client files the first time you access the Quality Center server machine. There is no need to install a client on your machine.

In environments where automatic downloads and registrations are prohibited, you can manually install the client files on all of the required machines.

The client installation files are stored on the Quality Center *server* machine in the **C:\Program Files\HP\Quality Center\application\20qcbn.war\PlugIns\ClientSideInstallation** folder.

Ask your administrator to copy or create a batch file that copies the installation files to the desired machines. Run the installation files before you access Quality Center.

To install the client files:

- 1 Copy the installation files onto the client machine.
- 2 Run the Quality Center client installation file, **QCClient.msi**. By default, the setup installs the client files to the **C:\Program Files\HP\Quality Center Client Side** folder.
- 3 Install the Service Test Management client installation file, **STMClient.msi**, to the same folder as the Quality Center client, by default **C:\Program Files\HP\Quality Center Client Side**. If you installed the Quality Center client to a different location, make sure to use the same folder for the Service Test Management client.

