

HP WebInspect Enterprise

for the Windows[®] operating system

Software Version: 10.10

Installation Guide

Document Release Date: September 2013
Software Release Date: September 2013



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Documentation Updates

This guide's title page contains the following identifying information:

- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.

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<http://h20230.www2.hp.com/selfsolve/manuals>

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E-Mail (Preferred Method)

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This web site provides contact information and details about the products, services, and support that HP Software offers.

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- Submit and track support cases and enhancement requests
- Download software patches
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To register for an HP Passport ID, go to:

<http://h20229.www2.hp.com/passport-registration.html>

Installing WebInspect Enterprise 10.10

System Requirements

Before installing WebInspect Enterprise, make sure that your systems meet the requirements described in the *HP WebInspect Enterprise System Requirements* for version 10.10. This installation guide also refers to the *HP WebInspect Enterprise User Guide* for detailed information. Both documents are available at:

<https://download.hpsmartupdate.com/wie>

Installing or Upgrading HP Fortify Software Security Center

HP Fortify Software Security Center (SSC) version 4.00 must be installed and running before you install WebInspect Enterprise version 10.10. See the *HP Fortify Software Security Center Installation and Configuration Guide* for information about installing or upgrading SSC to the required version.

In SSC:

- Note the SSC URL. You will need to specify it during the installation of WebInspect Enterprise.
- Create a general SSC administrator account or make note of an existing one. You will need to specify the user name and password of this account during the installation of WebInspect Enterprise.
- Create an account in SSC for the WebInspect Enterprise Service and give it the role of WebInspect Enterprise System. This service controls the sharing of project versions with WebInspect Enterprise and obtains lists of scans and running scans from WebInspect Enterprise. You will need to specify the user name and password of this account during the installation of WebInspect Enterprise.

For information about creating accounts in SSC, see the *HP Fortify Software Security Center User Guide*. The HP Fortify Software Security Center documentation set contains installation, user, and deployment guides for all HP Fortify Software Security Center products and components. In addition, technical notes and release notes describe new features, known issues, and last-minute updates. To obtain the latest versions of these documents, go to the HP Software Product Manuals site:

<http://h20230.www2.hp.com/selfsolve/manuals>

To access this web site, you must first obtain an HP Passport account.

Upgrading from WebInspect Enterprise 9.30 or 10.00

You can upgrade to WebInspect Enterprise version 10.10 directly from version 9.30 or version 10.00. If you upgrade from version 9.30, during installation you will see additional screens related to supporting single sign-on with Software Security Center (SSC), as described in the procedure in this document.

Also, be sure to review the preceding section, [Installing or Upgrading HP Fortify Software Security Center](#).

Preparing to Install WebInspect Enterprise

Prepare to install WebInspect Enterprise as described in this section.

First, see [Installing or Upgrading HP Fortify Software Security Center](#) on page 5.

On a Microsoft Windows server:

- 1 Install IIS as follows. You must install IIS before installing Microsoft .NET Framework 4.0.
 - a Open the Windows Server Manager.
 - b Click the **Roles** option, and click **Add Roles** under Roles Summary in the Roles pane.
The Add Roles Wizard opens.
 - c Click **Next**.
 - d In the **Select Server Roles** dialog, make sure the **Web Server (IIS)** option is selected (installed).
 - e Close the wizard.
 - f Under Role Services in the Roles pane, click **Add Role Services**.
 - g In the list of role services in the Select Role Services dialog, under Management Tools select the **IIS6 Management Compatibility** option (which also selects all of its suboptions).
 - h Click **Next**.
 - i Click **Install** to complete the installation of IIS.
- 2 Install Microsoft .NET Framework 4.0.
- 3 Enable ASP.NET v2.0 and v4.0 for ISAPI and CGI:
 - a In the Server Manager window, under Server Manager (<localhost>), select **Roles → Web Server (IIS) → Internet Information Services (IIS) Manager**.
 - b In the Internet Information Services (IIS) Manager window, select the localhost in the Connections pane.
 - c In the IIS section, double-click the **ISAPI and CGI Restrictions** icon.
 - d In the ISAPI and CGI Restrictions pane, if any Restriction value for an ASP.NET v2.0.xxxxx entry or an ASP.NET v4.0.xxxxx entry is set to **Not Allowed**, right-click that entry and select **Allow**.
If you receive an error message indicating that the feature cannot be installed because your operating system lacks IIS Management Compatibility, make sure you followed the preceding steps correctly.
- 4 Install SQL Server software if it is not already installed.

Installing WebInspect Enterprise

Installation of WebInspect Enterprise is driven by a series of wizards as described in the following sections. The major steps are:

- Installing the WebInspect Enterprise Server software, using the WebInspect Enterprise Setup Wizard
- Initializing the software, using the WebInspect Enterprise Initialization Wizard
- Configuring the Scan Uploader, Task, and Scheduler services
- Installing the WebInspect Enterprise Administrative Console, using the WebInspect Enterprise Console Setup Wizard
- Installing WebInspect as a sensor if not done during initialization

Installing the WebInspect Enterprise Server Software

Install the WebInspect Enterprise server software on the server by running the Setup Wizard:

- 1 Launch the WIE Server installation file.

Note: If the wizard detects a previous installation of the WebInspect Enterprise server software, use the wizard to remove it and then relaunch the installation file.

The *Welcome* screen of the *HP WebInspect Enterprise 10.10 Setup* wizard appears.

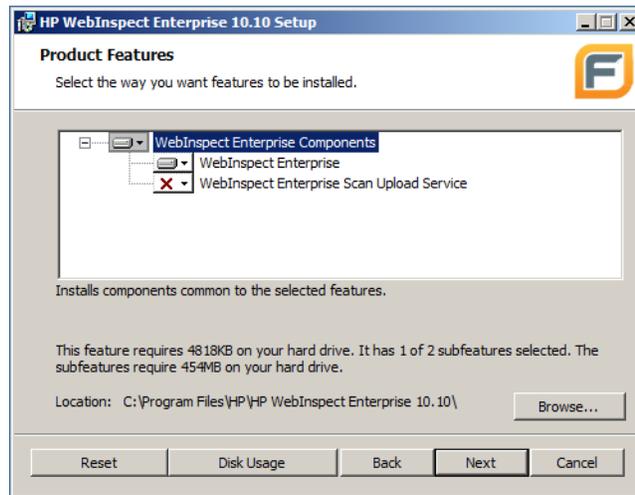


- 2 Click **Next**.

The *End-User License Agreement* dialog appears.

- 3 Review the license agreement. If you accept it, select the check box and click **Next**; otherwise click **Cancel**.

If you accept the license agreement, the *Product Features* dialog appears. (Memory requirements stated for the features might vary slightly from the values shown in the following screen capture.)



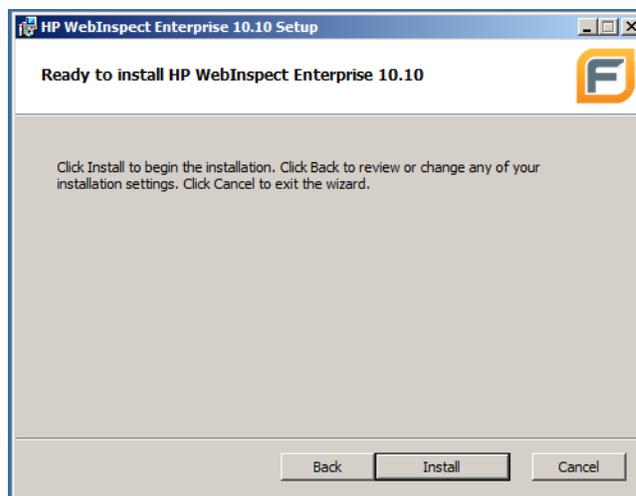
4 On the *Product Features* dialog:

- a Select the components you want to install.

WebInspect can scan a Web site and export the scan results to a location called a “dropbox.” The Scan Uploader Service accesses each dropbox periodically and, if files exist, it uploads those files to the WebInspect Enterprise Manager. To install the WebInspect Enterprise Scan Uploader Service, click the associated **X** icon, and then in the drop-down list click **Will be installed on local hard drive**.

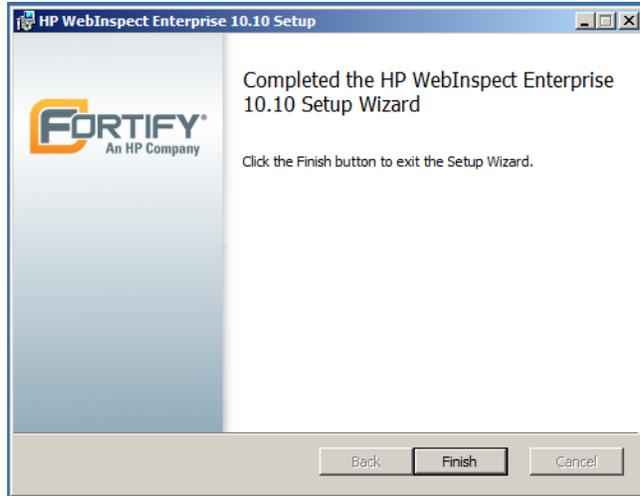
- b Accept the default location or click **Browse** to select the location where you want to install the software.
- c Click **Next**.

The *Ready to install HP WebInspect Enterprise 10.10* dialog appears.



5 When you are ready to install, click **Install**.

WebInspect Enterprise 10.10 software is installed on the computer and the Setup Wizard completes.



6 Click **Finish**.

Initializing the Software

After the Setup Wizard completes, the *Welcome* screen of the *HP WebInspect Enterprise Initialization Wizard* appears.



The Initialization Wizard initializes the software as described in this section. Its functions include:

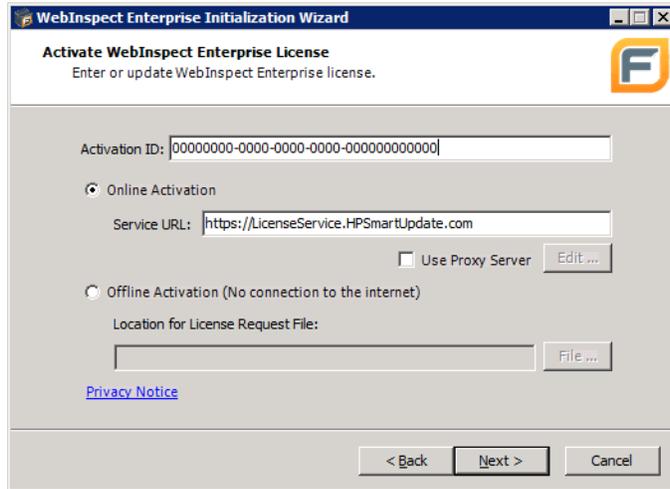
- Activating the WebInspect Enterprise license
- Creating and updating the WebInspect Enterprise database
- Creating the WebInspect Enterprise website and web service
- Connecting WebInspect Enterprise and HP Fortify Software Security Center (SSC)

Note: The Initialization Wizard is always available as the **WebInspect Enterprise Initialize** option in the **Start → All Programs → HP → HP WebInspect Enterprise 10.10** menu, so that initialization can be restarted in the future if necessary.

Run the Initialization Wizard:

- 1 Click **Next**.

The *Activate WebInspect Enterprise License* dialog appears.



- 2 Enter the Activation ID that HP sent to you.

- 3 Do one of the following:

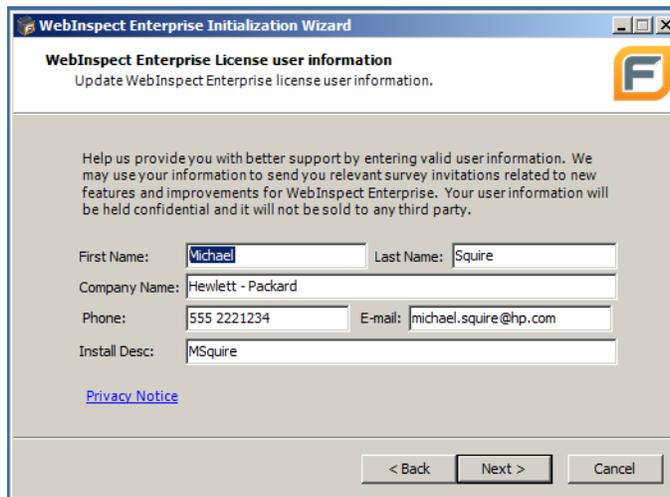
- If the computer is connected to the Internet, select **Online Activation**.

If you are using a proxy server, select **Use Proxy Server**, click **Edit**, and provide the requested information.

- If the computer is *not* connected to the Internet, select **Offline Activation** and then click **File** to select the location on this computer where you want the installation software to create a license *request* file named `LicenseRequest.xml`. This file will contain information about the computer that is required to obtain a license.

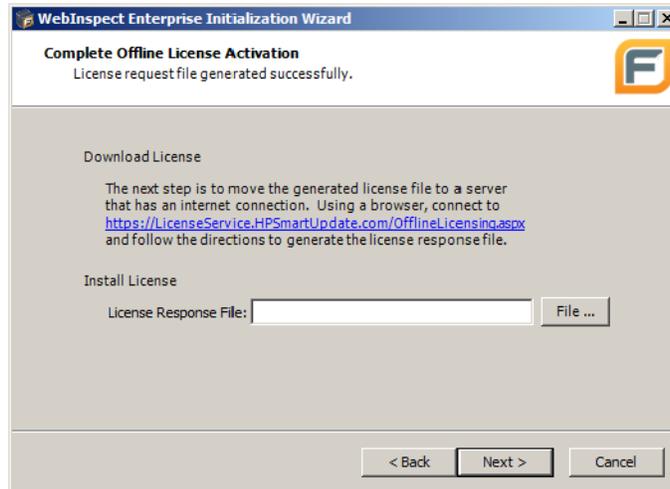
- 4 Click **Next**.

The *WebInspect Enterprise License user information* dialog displays user information as submitted to HP.

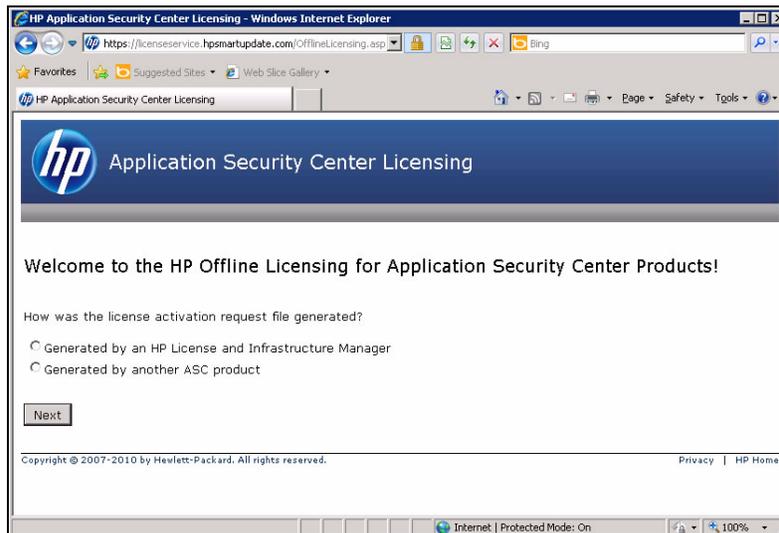


- 5 Correct the information as needed and click **Next**.

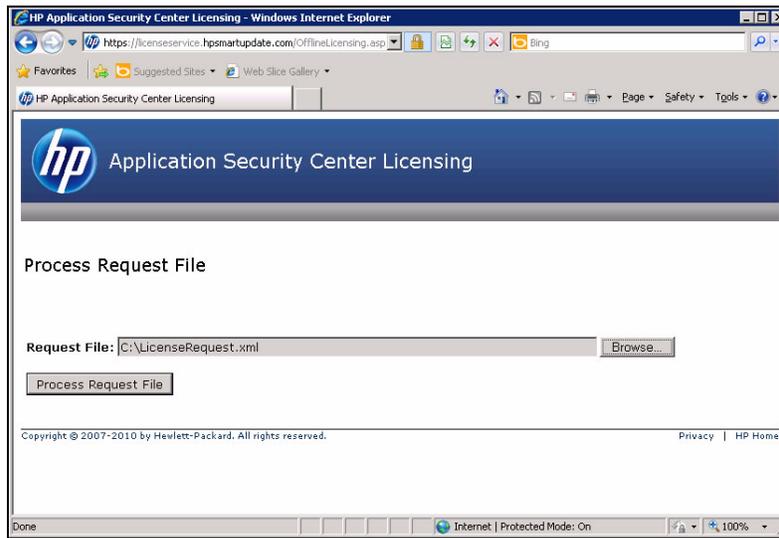
- 6 If you selected **Online Activation** in [step 3](#), go to [step 8](#) on page 13.
- 7 If you selected **Offline Activation** in [step 3](#), the *Complete Offline License Activation* dialog appears. It indicates that the license request file was generated successfully. Perform the procedure in this step to download from HP a license *response* file named `LicenseResp.xml` that you can copy to the computer, not connected to the Internet, on which you are installing WebInspect Enterprise.



- a Copy the `LicenseRequest.xml` file you created in [step 3](#) to a portable device such as a flash drive.
- b Copy the `LicenseRequest.xml` file from the portable device to a computer that is connected to the Internet.
- c Open a browser and navigate to **<https://LicenseService.HPSmartupdate.com/OfflineLicensing.aspx>**.

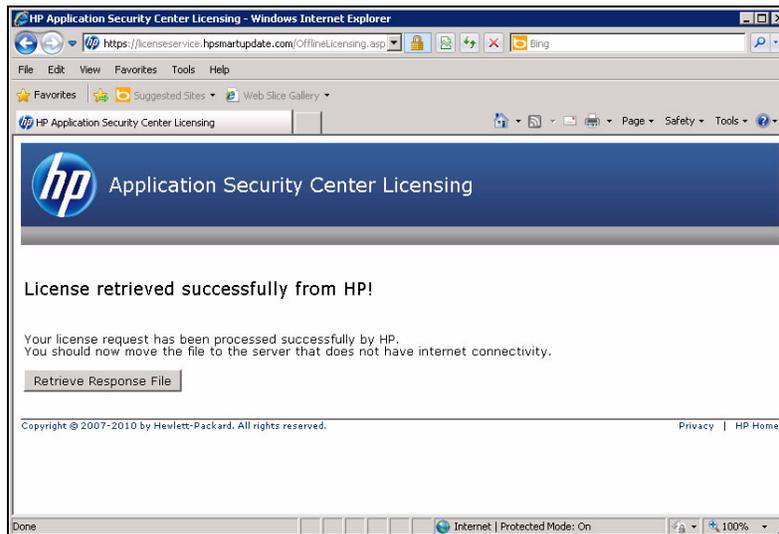


- d Select the option that describes how the license request file was generated and click **Next**.
The *Process Request File* window appears.



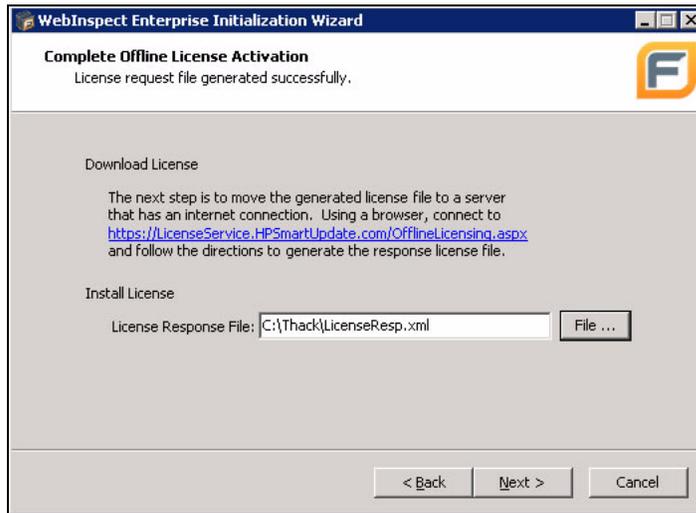
- e Click **Browse** as needed, select the `LicenseRequest.xml` file that you copied to this computer, and then click **Process Request File**.

If the request is processed successfully, the following dialog appears:



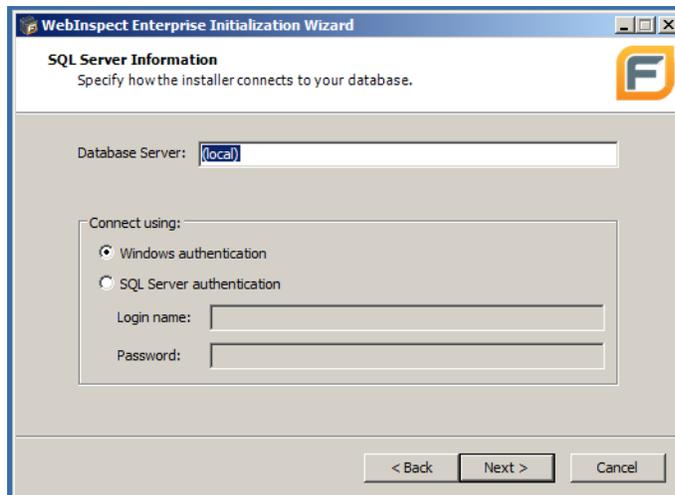
- f Click **Retrieve Response File**.
- g On the *File Download* dialog, click **Save** and specify the location on the portable device where you want to download the response file `LicenseResp.xml`.
- h Return to the computer on which you are installing WebInspect Enterprise. Copy the `LicenseResp.xml` file from the portable device to a location on this computer.

- i In the WebInspect Enterprise Initialization Wizard, specify the **License Response File** field by clicking **File** and navigating to the location of the LicenseResp.xml file you just copied from the portable device.



- j Click **Next**.
- 8 The *WebInspect Enterprise License Information* dialog displays information about the license. Review the information.
- 9 Click **Next**.

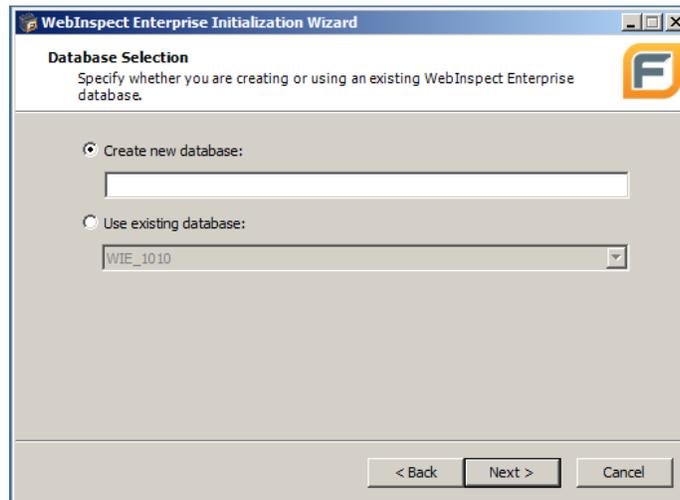
The *SQL Server Information* dialog appears.



- 10 Enter the name of the SQL Server instance in the **Database Server** field and select the authentication that will be used. If you are installing WebInspect Enterprise for the first time, you must have privileges to create a database (or your database administrator must create a blank database and assign ownership to you).

11 Click **Next**.

The *Database Selection* dialog appears.



12 Select one of the following:

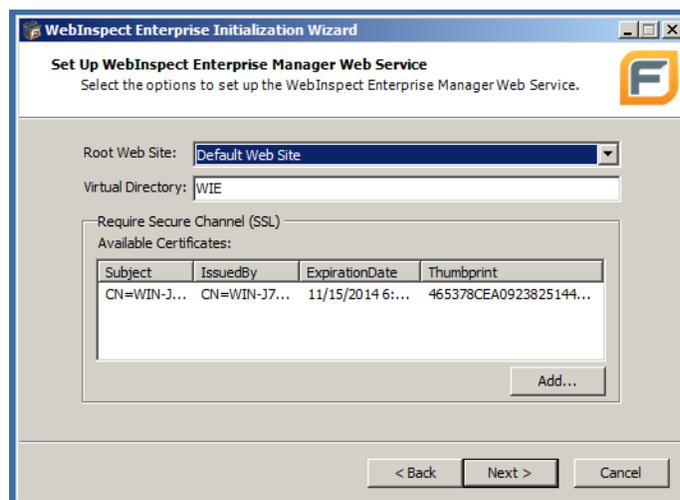
- To use a new database, select **Create new database** and enter a database name. You must have privileges to create this database.
- To use a previous installation of WebInspect Enterprise, select **Use existing database** and select one from the list. You must have owner privileges for that database.

13 Click **Next**.

14 If you created a new database, skip to [step 16](#).

15 If you are using an existing database for an upgrade from WebInspect Enterprise version 9.30, the database must be upgraded, and the *WebInspect Enterprise Database Upgrade* window appears, instructing you to back up that database before upgrading it. After you have backed up the database, select the **Database is backed up** check box and click **Next**.

16 The *Set Up WebInspect Enterprise Manager Web Service* dialog appears.



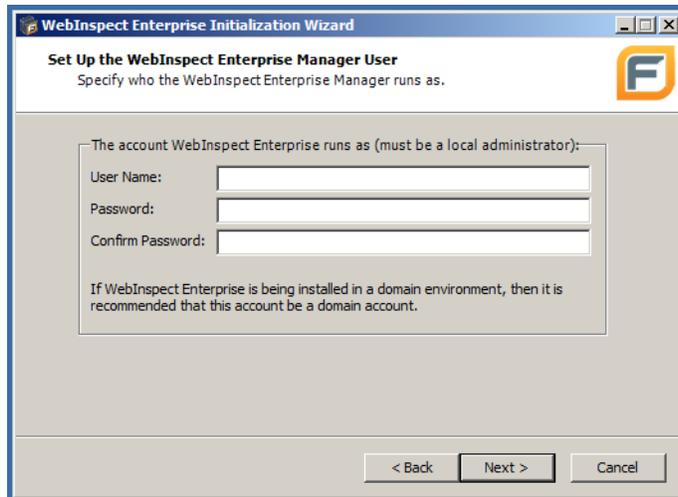
Specify the root Web site and the IIS virtual directory name (**WIE** in the example above), and select a certificate.

These entries create the URLs for the following components:

- WebInspect Enterprise URL for login to the Administrative Console:
`http(s)://<computer name>/<Virtual Directory name>/`
- Web Console:
`http(s)://<computer name>/<Virtual Directory name>/WebConsole`

17 Click **Next**.

The *Set Up the WebInspect Enterprise Manager User* dialog appears.



18 Specify the local or domain user account that will run the WebInspect Enterprise website and Web service. The **User Name** should be in the format localhost\administrator.

For WebInspect Enterprise to work properly, this account must be a local administrator. This enables the WebInspect Enterprise Manager to install service packs and patches released by HP.

19 Click **Next**.

The *Set Up WebInspect Enterprise Database User* dialog appears.



- 20 Specify how the WebInspect Enterprise Manager should connect to the WebInspect Enterprise database.
- **Windows Authentication** - The name and password specified in the WebInspect Enterprise Manager's user account is used to authenticate to the database. When working in a domain environment, the WebInspect Enterprise Manager's user account should be a domain account. When working in a workgroup environment, you must have the exact same user name and password on both the WebInspect Enterprise Manager and the database computers.
 - **SQL Authentication** - Enter the SQL Server user name and password.
- 21 Click **Next**.

The *Set Up SSC Connection Information* dialog appears.

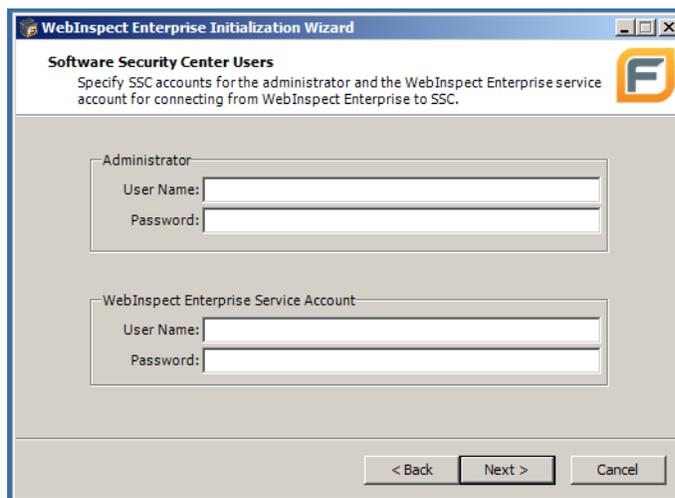


The **WebInspect Enterprise URL** field has a default value based on previous configuration.

Specify the **Software Security Center URL**. See [Installing or Upgrading HP Fortify Software Security Center](#) on page 5.

- 22 Click **Next**.

The *Software Security Center Users* dialog appears.



Make sure that SSC is running and that an SSC administrator is logged on.

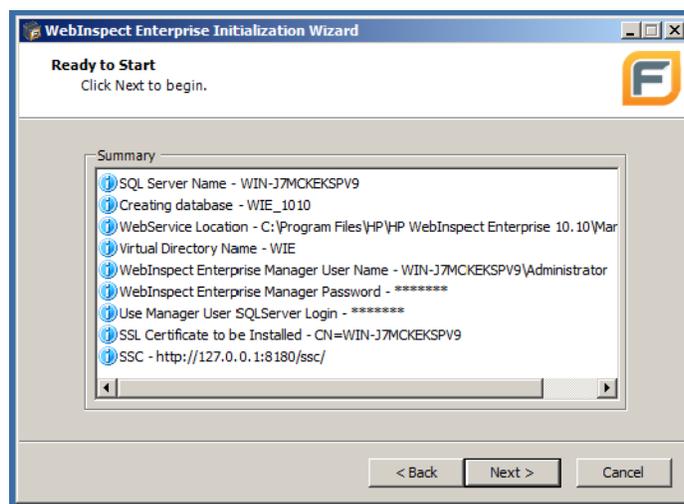
In the *Software Security Center Users* dialog, specify the SSC accounts for that administrator and for the WebInspect Enterprise Service Account. See [Installing or Upgrading HP Fortify Software Security Center](#) on page 5.

If you are performing an upgrade from WebInspect Enterprise version 9.30, an additional field named **Default Group** appears in the Administrator section. The drop-down list displays the current set of parent organizations and their groups. Select one to use for saving project versions sent from SSC. This field is provided in case you previously renamed the default organization or default group in WebInspect Enterprise.

23 Click **Next**.

The installation software verifies that WebInspect Enterprise can access the SSC server and use the SSC accounts you specified.

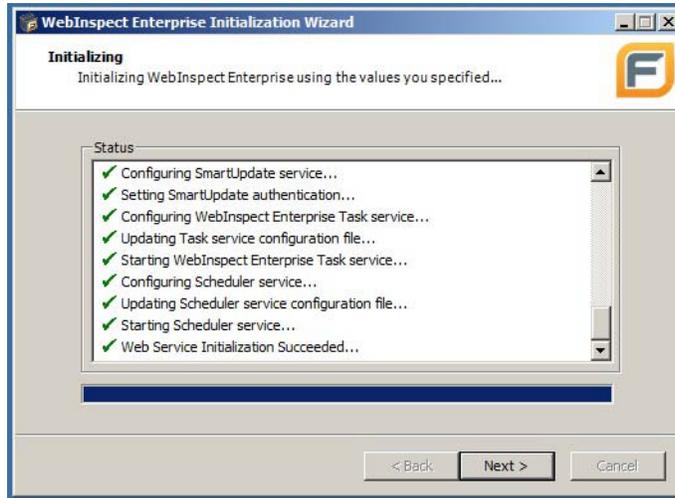
The *Ready To Start* dialog appears.



24 Verify your previous choices.

- To change settings, click **Back**.

- To begin initializing WebInspect Enterprise using the values you have specified, click **Next**. The initializer creates the database and configures various system components, adding a new step to the Status list as each previous step completes. Project versions in SSC are imported into WebInspect Enterprise. When the initialization completes successfully, the window appears similar to the one shown below.

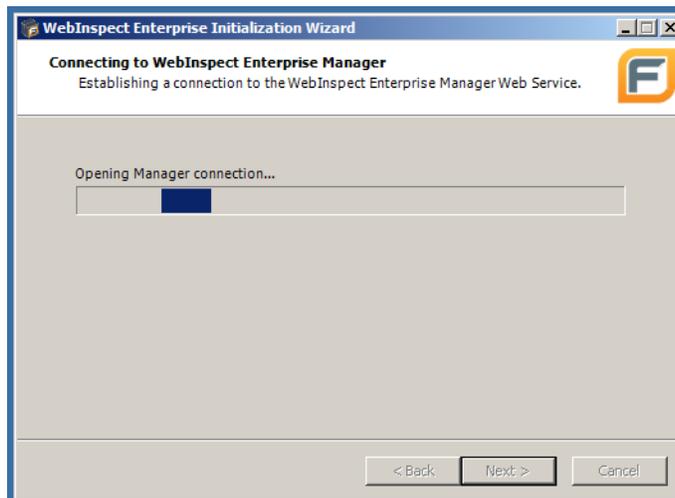


25 Click **Next**.

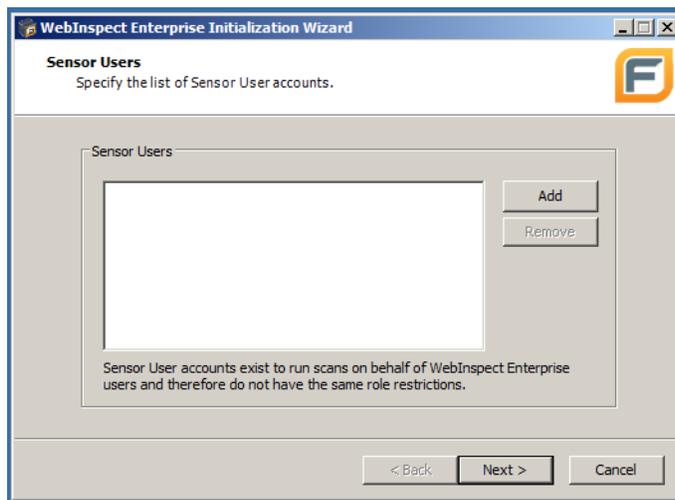
The SSC administrator you specified in [step 22](#) on page 16 automatically becomes the first (and only) System Administrator in WebInspect Enterprise.

Note: If that person becomes unavailable, no one knows his password, and he did not create other System Administrators in WebInspect Enterprise, it might seem that there would be no way to administer WebInspect Enterprise. However, you can rerun the Initializer (**Start** → **All Programs** → **HP** → **HP WebInspect Enterprise 10.10** → **WebInspect Enterprise Initialize**) and specify another SSC administrator in [step 22](#). Then at this point in the initialization process, the Initializer would detect that your newly specified SSC administrator exists in SSC but she is not a System Administrator in WebInspect Enterprise. In this case, the Initializer would display an *Administrator Role Page* that allows you to add her to WebInspect Enterprise with the System Administrator role, by selecting the **Add Current User to System Administrator Role** check box and clicking **Next**.

The *Connecting to WebInspect Enterprise Manager* screen appears until the connection is made.



- 26 If you are *not* upgrading a WebInspect Enterprise version 9.30 installation, skip to [step 28](#).
- 27 WebInspect Enterprise version 10.10 and SSC use single sign-on functionality, with a common set of user accounts that are specified in SSC, whereas WebInspect Enterprise 9.30 accounts use NTLM authentication and are no longer valid. If you are upgrading a WebInspect Enterprise version 9.30 installation *and* if you specified in [step 11](#) on page 14 that you want to continue to use its database, a *Legacy Users* dialog appears that requires you to do one of the following:
- Remove all existing (legacy) WebInspect Enterprise accounts.
 - Map (assign) some or all of the existing WebInspect Enterprise accounts to existing SSC accounts. If you select this option, a dialog opens for you to make the desired mappings. You can map any number of legacy accounts to the same SSC account. *Any legacy account that you do not map to an SSC account is removed.* Each SSC account will inherit the roles and privileges of the legacy WebInspect Enterprise account(s) that are mapped to it.
- 28 The *Sensor Users* dialog appears.



Add (create) at least one sensor user for WebInspect Enterprise to use to run scans. Sensor users must not be general console users.

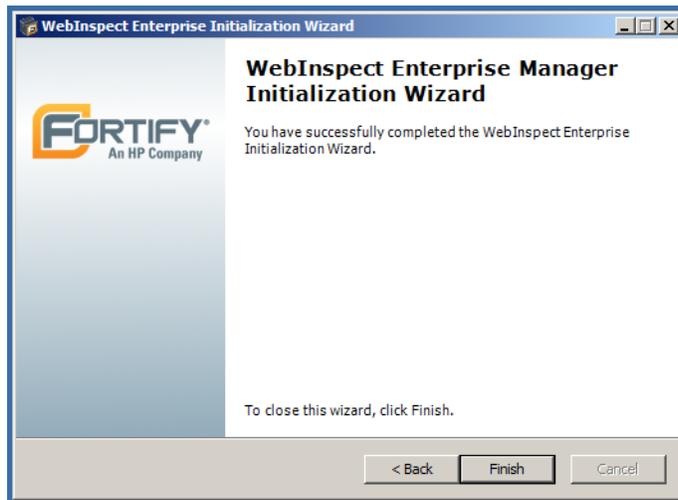
You do not have to add any sensor users in this step, but you must specify at least one sensor user before you can run any scans. If you create sensor users later, do so using the WebInspect Enterprise Administrative Console, and then configure them when installing WebInspect as a sensor. For more information, see [Installing WebInspect as a Sensor](#) on page 27 if WebInspect has not been installed as a sensor, and see [Creating Sensor Users](#) on page 33 and [Configuring Sensors](#) on page 33.

To add a sensor:

- Click **Add**.
- In the *Select Users or Groups* dialog, type the name of an existing user to add, in the format of localhost\user. If you specify only the user, clicking **Check Names** can help you specify the host.
- Click **OK**.
- Verify that the sensor user you specified has been added to the list of Sensor Users.

29 Click **Next**.

The Initialization Wizard completes.



30 Click **Finish**.

The Initialization Wizard closes.

Configuring Services

Use the WebInspect Enterprise Services Configuration Utility to configure or modify services associated with WebInspect Enterprise. Make sure the services are started even if you do not change any options.

To start the utility, click **Start** → **WebInspect Enterprise Services Manager**.

After starting the utility, the following buttons appear in the left column:

- **Scan Uploader Service** - Handles the transfer of scans from WebInspect to WebInspect Enterprise.
- **Task Service** - Monitors the queue for various tasks, including the archiving and restoring of scans.
- **Scheduler Service** - Handles the scheduling of scans, discovery scans, and smart updates.

Perform the procedures in the following sections after selecting each of these services.

Scan Uploader Service

WebInspect can scan a Web site and export the scan results to a location called a “dropbox.” The Scan Uploader Service accesses each dropbox periodically and, if files exist, it uploads those files to the WebInspect Enterprise Manager.

Service Status

This area of the interface reports the current status of the Scan Uploader service. You can start, stop, restart, or configure the service.

To configure the service:

- 1 Click **Configure** in the Service Status section.

The *Configure Service* dialog appears.

- 2 Select which credentials should be used for logging on to the service:
 - **Local system account** - The LocalSystem account is a predefined local account used by the service control manager (SCM). It has extensive privileges on the local computer, and acts as the computer on the network. A service that runs in the context of the LocalSystem account inherits the security context of the SCM.
 - **This account** - An account identified by the credentials you specify.
- 3 If you select **This account**, enter an account name and password.
- 4 Click **OK**.

WebInspect Enterprise Configuration

This area of the interface reports the WebInspect Enterprise configuration.

To configure WebInspect Enterprise:

- 1 Click **Configure** in the WebInspect Enterprise Configuration section.
The *WebInspect Enterprise Configuration* dialog appears.
- 2 Enter the URL of the WebInspect Enterprise Manager.
- 3 Provide the WebInspect Enterprise Manager's authentication credentials.
- 4 To verify that the user name and password are correct, click **Test**.
- 5 If the Scan Uploader service uses a proxy, select **Enable Proxy** and provide the requested information.
- 6 Click **OK**.

Dropbox Configuration

WebInspect can scan a Web site and export the scan results to a location called a “dropbox.” The purpose of the WebInspect Enterprise Uploader service is to access each dropbox periodically and, if files exist, to upload those files to the WebInspect Enterprise Manager.

To create a dropbox:

- 1 Click **Add** in the Dropbox Configuration section.
The *Configure Dropbox* dialog appears.
- 2 Enter a dropbox name.
- 3 Enter the full path and name of the folder that will be used as the dropbox (or click **Browse** to select or create a folder).
Be sure to select or create a folder that will not be used for any other purpose.
- 4 Select a site that will be serviced by this dropbox.
- 5 Click **OK**.

Logging Configuration

This area of the interface reports current settings for the logging function.

To configure settings:

- 1 Click **Configure** in the Logging Configuration section.
The *Logging Configuration* dialog appears.

- 2 The logging output is contained in `Scheduler_trace.log`. To specify the location of the logs, choose one of the following:

- **Default location**

On Windows Server 2003, the location is:

`\Documents and Settings\All Users\Application Data\HP\WIE\Scheduler`

On Windows Server 2008, the location is:

`\ProgramData\HP\WIE\Scheduler`

- **Enter location for log file**

Type a path to the folder that will contain the logs, or click **Browse** to select a location.

- 3 For the logging level, choose either **INFO** (the default) or **DEBUG** (which records more data).
- 4 Specify the maximum file size of a log file (in megabytes).
- 5 Specify the maximum number of log files that will be retained.

When a log file reaches its maximum size, WebInspect Enterprise closes it and opens another file, repeating this process until the maximum number of log files is created. When that file is full, WebInspect Enterprise closes it, deletes the oldest file, and opens a new one. Files are named in sequence: `Scheduler_trace.log`, `Scheduler_trace.log.1`, etc.

Start the Service

Click **Start** in the Service Status section to start the service if it is not already running.

Task Service

Service Status

This area of the interface reports the current status of the Task service, which handles background tasks such as archiving and restoring assessments and scans. You can start, stop, restart, or configure the service.

To configure the service:

- 1 Click **Configure** in the Service Status section.
The *Configure Service* dialog appears.
- 2 Select which credentials should be used for logging on to the service:
 - **Local system account** - The LocalSystem account is a predefined local account used by the service control manager (SCM). It has extensive privileges on the local computer, and acts as the computer on the network. A service that runs in the context of the LocalSystem account inherits the security context of the SCM.
 - **This account** - An account identified by the credentials you provide.
- 3 If you select **This account**, enter an account name and password.
- 4 Click **OK**.

Database Configuration

This area of the interface reports the database server name and database name.

To configure the database:

- 1 Click **Configure** in the Database Configuration section.
The *Database Configuration* dialog appears.

- 2 Enter a server name.
- 3 Specify the account under which WebInspect Enterprise will connect to the database.
 - **Windows Authentication** - The name and password specified in the WebInspect Enterprise Manager's user account is used to authenticate to the database. When working in a domain environment, the WebInspect Enterprise Manager's user account should be a domain account. When working in a workgroup environment, you must have the exact same user name and password on both the WebInspect Enterprise Manager and the database computers.
 - **SQL Authentication** - Enter the SQL Server user name and password.
- 4 Select a database.
- 5 Click **OK**.

Logging Configuration

This area of the interface reports current settings for the logging function.

To configure settings:

- 1 Click **Configure** in the Logging Configuration section.

The *Logging Configuration* dialog appears.
- 2 The logging output is contained in `TaskService_trace.log`. To specify the location of the logs, choose one of the following:
 - **Default location**

On Windows Server 2003, the location is:

```
\Documents and Settings\All Users\Application Data\HP\WIE\TaskService
```

On Windows Server 2008, the location is:

```
\ProgramData\HP\WIE\TaskService
```
 - **Enter location for log file**

Type a path to the folder that will contain the logs, or click **Browse** to select a location.
- 3 For the logging level, choose either **INFO** (the default) or **DEBUG** (which records more data).
- 4 Specify the maximum file size of a log file (in megabytes).
- 5 Specify the maximum number of log files that will be retained.

When a log file reaches its maximum size, WebInspect Enterprise closes it and opens another file, repeating this process until the maximum number of log files is created. When that file is full, WebInspect Enterprise closes it, deletes the oldest file, and opens a new one. Files are named in sequence: `TaskService_trace.log`, `TaskService_trace.log.1`, etc.

SSC Poll Interval

This area of the interface determines how often WebInspect Enterprise contacts SSC for updates.

SSC project version updates polling interval - Specify (in seconds) how frequently WebInspect Enterprise contacts SSC to check for project version name changes or deletions.

SSC issue synchronization interval - Specify (in minutes) how frequently WebInspect Enterprise contacts SSC to check for changes to audit information, comments, attachments, and “not an issue” and “suppressed” status.

Start the Service

Click **Start** in the Service Status section to start the service if it is not already running.

Scheduler Service

Service Status

This area of the interface reports the current status of the service. You can start, stop, restart, or configure the service.

To configure the Scheduler service:

- 1 Click **Configure** in the Service Status section.
The *Configure Service* dialog appears.
- 2 Select which credentials should be used for logging on to the service:
 - **Local system account** - The LocalSystem account is a predefined local account used by the service control manager (SCM). It has extensive privileges on the local computer, and acts as the computer on the network. A service that runs in the context of the LocalSystem account inherits the security context of the SCM.
 - **This account** - An account identified by the credentials you specify.
- 3 If you select **This account**, enter an account name and password.
- 4 Click **OK**.

WebInspect Enterprise Manager

If the WebInspect Enterprise Manager URL is changed using IIS or another tool, change the URL here as well.

Logging Configuration

This area of the interface reports current settings for the logging function.

To configure settings:

- 1 Click **Configure** in the Logging Configuration section.
The *Logging Configuration* dialog appears.
- 2 The logging output is contained in `UploaderService_trace.log`. To specify the location of the logs, choose one of the following:
 - **Default location**
On Windows Server 2003, the location is:
`\Documents and Settings\All Users\Application Data\HP\WIE\UploaderService`
On Windows Server 2008, the location is:
`\ProgramData\HP\WIE\UploaderService`
 - **Enter location for log file**
Type a path to the folder that will contain the logs, or click **Browse** to select a location.
- 3 For the logging level, choose either **INFO** (the default) or **DEBUG** (which records more data).
- 4 Specify the maximum file size of a log file (in megabytes).

- 5 Specify the maximum number of log files that will be retained.

When a log file reaches its maximum size, WebInspect Enterprise closes it and opens another file, repeating this process until the maximum number of log files is created. When that file is full, WebInspect Enterprise closes it, deletes the oldest file, and opens a new one. Files are named in sequence: `UploaderService_trace.log`, `UploaderService_trace.log.1`, etc.

Start the Service

Click **Start** in the Service Status section to start the service if it is not already running.

Close the WebInspect Enterprise Services Configuration utility.

Installing the WebInspect Enterprise Administrative Console

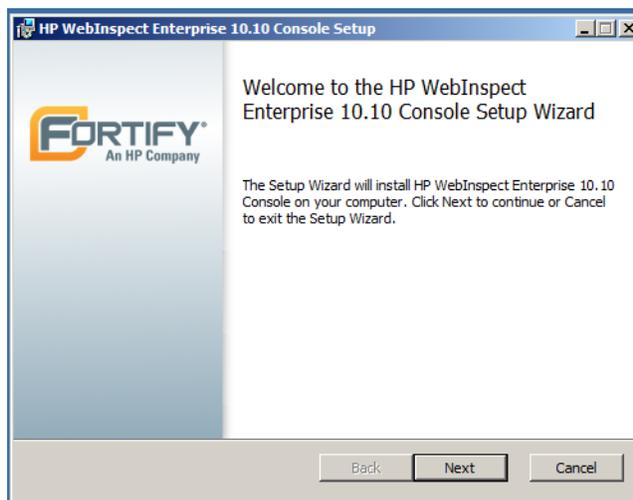
For system requirements and notes about the WebInspect Enterprise Administrative Console, see the *HP WebInspect Enterprise System Requirements*.

To install the WebInspect Enterprise Administrative Console, along with the various WebInspect Enterprise tools:

- 1 Launch the WIE Console installation file.

Note: If the wizard detects a previous installation of the Administrative Console, use the wizard to remove it and then relaunch the installation file.

The *Welcome* screen of the *HP WebInspect Enterprise 10.10 Console Setup* wizard appears.

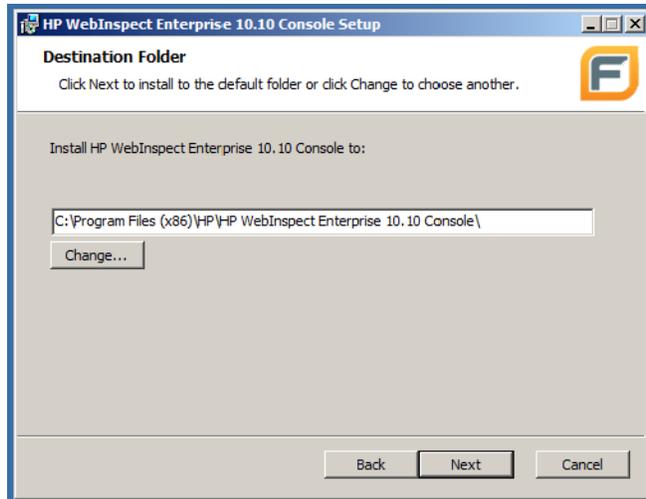


- 2 Click **Next**.

The *End-User License Agreement* dialog appears.

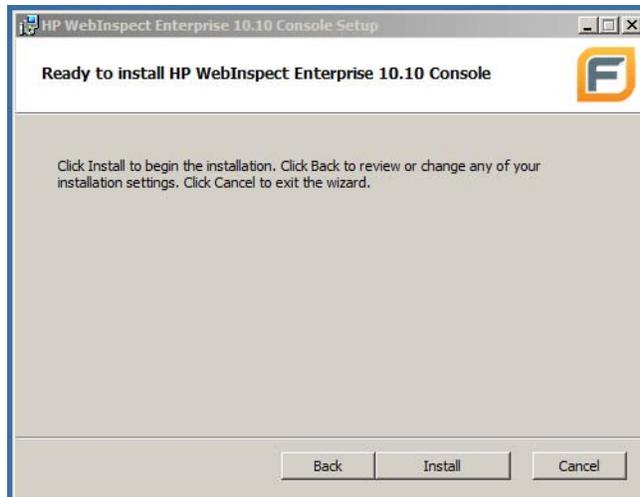
- 3 Review the license agreement. If you accept it, select the check box and click **Next**; otherwise click **Cancel**.

If you accept the license agreement, the *Destination Folder* dialog appears.



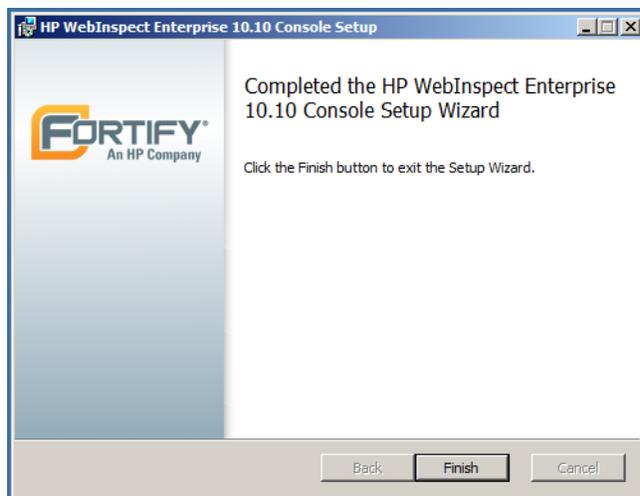
- 4 Accept the default location or click **Change** to select the location where you want to install the software, and click **Next**.

The *Ready to install HP WebInspect Enterprise 10.10 Console* dialog appears.



When you are ready to install, click **Install**.

After the WebInspect Enterprise files are installed, the Console Setup Wizard completes.



- 5 Click **Finish**.

Installing WebInspect as a Sensor

If WebInspect Enterprise is not already connected to an instance of WebInspect that is configured as a sensor, install WebInspect as a sensor:

- 1 Start the WebInspect version 10.1 or 10.0 installation program. (The following steps assume you are installing version 10.1.)

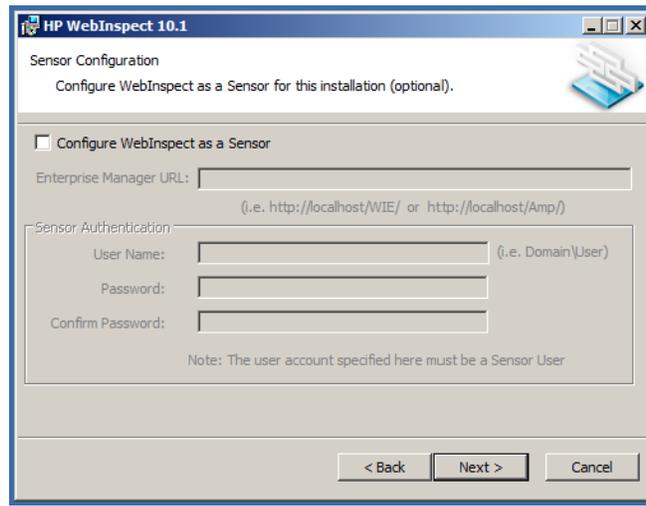
The *Welcome* screen of the *HP WebInspect 10.1 Setup* wizard appears.



- 2 Click **Next**.
The *End-User License Agreement* dialog appears.
- 3 Review the license agreement. If you accept it, select the check box and click **Next**; otherwise click **Cancel**.
- 4 If you accept the license agreement, the *Destination Folder* dialog appears.

- 5 Accept the default location or click **Browse** to select the location where you want to install the software, and click **Next**.

The *Sensor Configuration* window appears.



- 6 If you want to test the sensor username and password credentials before starting the service and/or you want to connect the sensor to a remote SQL Server, skip to [step 8](#) and do *not* configure WebInspect as a sensor at this time. You will test the sensor credentials and/or connect to a remote SQL server *after* you complete the WebInspect installation.
- 7 Complete the fields on the *Sensor Configuration* window:
 - a Select the **Configure WebInspect as a Sensor** option.
 - b In the **Enterprise Manager URL** field, specify the WebInspect Enterprise URL.
 - c In the **Sensor Authentication** section, enter the Windows account credentials for this sensor.
- 8 Click **Next**.

The *Ready to install HP WebInspect 10.1* dialog appears.
- 9 When you are ready to install, click **Install**.
- 10 When the installation process is complete, click **Finish**.

If you configured WebInspect as a sensor, this completes its installation and configuration.

Test Sensor Credentials and/or Specify a Remote SQL Server, If Necessary

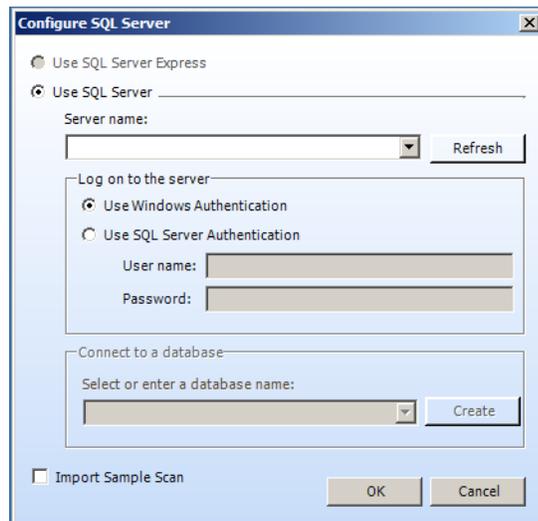
If you chose not to configure WebInspect as a sensor in [step 6](#) on page 28, you can now:

- Optionally test the sensor username and password credentials before starting the service.
- Optionally specify sensor connection to a remote SQL Server.
- Complete the configuration of WebInspect as a sensor.

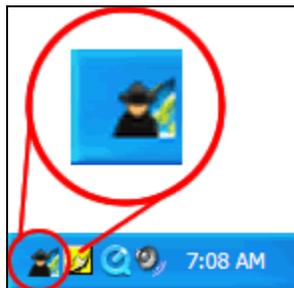
To perform these tasks:

- 1 When you launch WebInspect, if SQL Server Express is not installed, you are prompted to either run WebInspect and enter remote SQL Server credentials, or close WebInspect and manually install SQL Server Express.

If you choose the option to run WebInspect and enter remote SQL Server credentials, the *Configure SQL Server* dialog appears.



- 2 Complete the *Configure SQL Server* dialog.
- 3 After WebInspect launches, click **Start** → **HP Fortify Monitor** to launch the HP Fortify Monitor program.
- 4 Click the HP Fortify Monitor icon in the task tray and click **Configure Sensor**.



The *Configure Sensor* window appears.

The screenshot shows the 'Configure Sensor' dialog box. The 'Manager URL' field is pre-filled with 'https://localhost/amp/'. The 'Sensor Authentication' section has empty 'User Name' and 'Password' fields and a 'Test' button. The 'Enable Proxy' checkbox is unchecked. The 'Proxy Settings' section has empty 'Address', 'User Name', and 'Password' fields, and a 'Port' dropdown set to '0'. The 'Advanced' section has the 'Override Database Settings' checkbox unchecked and a 'Configure' button. The 'Service Account' section has 'Local System account' selected under 'Log on as:', with empty 'Password' and 'Confirm Password' fields. The 'Sensor Status' section shows 'The sensor service is currently stopped' with 'Start' and 'Stop' buttons. The dialog box has 'OK' and 'Cancel' buttons at the bottom.

- 5 Complete the fields:
 - a In the **Manager URL** field, specify the WebInspect Enterprise URL.
 - b In the Sensor Authentication section specify the sensor credentials. If you need to test the credentials, click **Test**.
 - c If you need to configure a remote SQL Server, in the Advanced section click the **Override Database Settings** option and then click **Configure**.
 - d Complete the Service Account section as needed.
 - e Click **Start** to start the sensor service.
 - f Click **OK**.

This completes the configuration of WebInspect as a sensor.

Post-Installation Configuration

After WebInspect Enterprise installations are complete, perform the procedures described in this section.

Logging on to and Configuring the Administrative Console

To log on to the WebInspect Enterprise Administrative Console, which is also known as the WebInspect Enterprise Console:

- 1 Click **Start** → **HP WebInspect Enterprise 10.10 Console**.
The *Log On to WebInspect Enterprise* window appears.
Note: This window does not appear if you previously selected the option **Automatically log on when this application starts**.
- 2 Using the **Log on to** list, enter or select the URL of the WebInspect Enterprise manager.
- 3 Enter the **Username** and **Password** for an account that has permission to access the Administrative Console. Initially, the only user you can specify is the SSC Administrator you specified in [step 22](#) on page 16 (unless you upgraded from WebInspect Enterprise version 9.30 and mapped existing WebInspect Enterprise administrators to SSC users). Thereafter, you can add other WebInspect Enterprise administrators, as described in [Assigning Administrators and Roles](#) on page 32 and the *HP WebInspect Enterprise User Guide*.
- 4 Select the option **Save password** as desired.
- 5 Select the option **Automatically log on when this application starts** as desired.
- 6 To go through a proxy server to reach the WebInspect Enterprise manager:
 - a Click the **Proxy** tab.
 - b Select one of the following:
 - **Use the Internet Explorer proxy** (to use the proxy server specified in Tools → Internet Options → Connections → LAN Settings).
 - **Use the proxy below**, and then provide the proxy server's IP address and port number.
 - c Provide a valid **Username** and **Password**.
- 7 Click **OK**.

Note: If you see a message indicating that the server refused the request, you may have entered your user name and password incorrectly, or your account may not have been assigned to a role.

To specify a refresh setting for the WebInspect Enterprise Administrative Console:

- 1 From the **Tools** menu, select **Options**.
The *Options* window opens.
- 2 To refresh the display of WebInspect Enterprise information periodically, select **Automatically refresh display** and specify how often (in seconds) the display should be updated.
- 3 Click **OK**.

Assigning Administrators and Roles

Administrative authority within WebInspect Enterprise is distributed across three hierarchical levels—system, organization, and group. Each level has at least one administrator.

A role is a named collection of permissions. Administrators can define roles and assign users to roles to provide them with particular, limited capabilities that are important for security. A single user may be a member of more than one role. The roles for each security level (system, organization, and group) contain a different set of permission categories such as Policies, Blackouts, and Project Versions. Each category contains multiple permissions, such as Can Create, Can View, Can Update, Can Delete, etc.

System Level

WebInspect Enterprise system administrators have all permissions with no IP restrictions. No one else can log on until the system administrator assigns other users to roles. The initial WebInspect Enterprise administrator is the SSC Administrator you specified in [step 22](#) on page 16 (unless you upgraded from WebInspect Enterprise version 9.30 and mapped existing WebInspect Enterprise administrators to SSC users).

A system administrator can:

- Add other users as system administrators.
- Create, rename, and delete organizations.
- Create roles that allow access to certain WebInspect Enterprise Administrative Console features and assign users to those roles (thereby limiting the functions a specific user may perform).

Organization Level

The system administrator who creates an organization automatically becomes an administrator for that organization.

An organization administrator can:

- Assign other users as organization administrators.
- Determine which objects are available to that organization (for example, select which of the available scanning policies may be used by projects within an organization).
- Set the maximum priority level that can be assigned to scans conducted by this organization.
- Create and assign users to roles, thereby limiting their ability to perform various functions or access certain features of the WebInspect Enterprise Web Console.
- Copy objects (such as blackouts, policies, e-mail alerts, etc.) or move them from one organization to another.
- Create, rename, and delete projects.

You are not required to configure multiple organizations. If you prefer, you may associate all projects with a single organization.

Group Level

The organization administrator who creates a group automatically becomes an administrator for that group.

A group administrator can:

- Assign other users as group administrators.

- Determine which objects are available to that group (for example, select which of the scanning policies made available to the organization may be used by this group).
- Set the maximum priority level that can be assigned to scans conducted by this group (within the limits established for the organization's maximum priority level).
- Specify which URLs or IP addresses may be scanned by this group.
- Create and assign users to roles, thereby limiting their ability to perform various functions or access certain features of the WebInspect Enterprise Web Console.
- Copy objects (such as blackouts, policies, e-mail alerts, etc.) or move them from one group to another.

Your first configuration priority should be to create the organization and group hierarchy, define hierarchical roles, assign users to those roles, and perform the other functions available from the **Administration** group, **Roles and Permissions** shortcut.

For detailed information about the hierarchy and roles, see the *HP WebInspect Enterprise User Guide*.

Creating Sensor Users

On the WebInspect Enterprise server, you must create at least one user that will be a sensor user. If this was already done during installation [step 28](#) on page 19, proceed to [Configuring Sensors](#). Sensor users must *not* be general console users.

To create a sensor user:

- 1 Start the Administrative Console if you have not already done so. Click **Start** → **HP WebInspect Enterprise 10.10 Console** and log on.
- 2 Select the **Administration** group in the lower left pane.
- 3 Select the **Sensor Users** shortcut in the upper left pane.
- 4 Click **Add** in the Sensor Users form in the right pane.
- 5 In the *Select Users or Groups* dialog, type the name of a user to add, in the format of localhost\user. If you specify only the user, clicking **Check Names** can help you specify the host.
- 6 Click **OK**.
- 7 Verify that the sensor user you specified has been added to the list of Sensor Users.

Configuring Sensors

Sensors cannot be used to run scans until you do the following:

- 1 In the WebInspect Enterprise Administrative Console, select the **Sensors** group in the lower left pane and verify that the sensor you specified has been added to the list of Sensors in the right pane.
- 2 Select the sensor, click **Action**, and if the **Enable** option is available, click it.
- 3 Select the **Administration** group in the lower left pane and select the **Roles and Permissions** shortcut in the upper left pane.
- 4 Change organization permissions:
 - a In the Security Group Hierarchy of the Roles and Permissions form in the right pane, select **Default Organization**.
 - b In the Organization Permissions section, select the **Resources** tab.

- c In the Organization Resources section, in the **Object Type** drop-down list, select **Sensors**.
 - d Select one or more sensors in the **Available** column and click > to move the sensors you selected to the **Allowed** column, or click >> to move all the **Available** sensors to the **Allowed** column.
- 5 Change group permissions:
- a In the Security Group Hierarchy of the Roles and Permissions form, select **Default Group**.
 - b In the Group Permissions section, select the **Resources** tab.
 - c In the Group Resources section, in the **Object Type** drop-down list, select **Sensors**.
 - d Select one or more sensors in the **Available** column and click > to move the sensors you selected to the **Allowed** column, or click >> to move all the **Available** sensors to the **Allowed** column.

Moving Project Versions from the Default Group

When a project version is created in SSC, it is also created automatically in WebInspect Enterprise, where it is added to the Default Group in the Default Organization. To view the project versions:

- 1 Select the **Administration** group in the lower left pane and select the **Roles and Permissions** shortcut in the upper left pane.
- 2 In the Security Group Hierarchy of the Roles and Permissions form, select **Default Group**.
- 3 In the Group Permissions section, select the **Move/Copy Objects** tab.
- 4 In the User Created Group Objects section, in the **Object Type** drop-down list, select **Project Versions**.
- 5 Click **Retrieve**.

All the project versions are displayed.

If you want a different group to have access to a particular project version in WebInspect Enterprise, select the check box for the project version in the list of Object Results and click **Move**. In the *Move Objects* dialog, specify the **Target Organization** and **Security Group** and click **Move**.

Repeat this procedure as needed on an ongoing basis.

Configuring WebInspect Enterprise to Publish Scans to SSC

If the SSC URL or WebInspect Enterprise URL settings that you specified in [step 21](#) on page 16 are changed, then to publish scans to SSC, you must update the settings in the Administrative Console as described in the *HP WebInspect Enterprise User Guide*.

Guided Scan

Guided Scan is introduced in WebInspect Enterprise version 10.10. It is the preferred method for performing a scan because it directs users through the best steps to configure a scan that is tailored to a particular application. The first time a user invokes Guided Scan from WebInspect Enterprise or Software Security Center, the Guided Scan client application is downloaded, installed, and launched.

Users who want to run Guided Scan in Mozilla Firefox must download and install the Firefox add-on for the .NET Framework Assistant. To obtain it, they can click **Add-ons** on the *Mozilla Firefox Start Page* in the Firefox browser and search .NET.

For more information about Guided Scan, see the *HP WebInspect Enterprise User Guide*.

Time Stamping and Scheduling

For some installations, the WebInspect Enterprise Manager and the Administrative Console and/or the Web Console reside in different time zones. To accommodate this, the WebInspect Enterprise Manager uses Coordinated Universal Time (also known as Greenwich Mean Time or Zulu time) for all time storage and manipulation. When a time is to be displayed on the Administrative Console or the Web Console, the WebInspect Enterprise Manager converts the time to conform to the time zone in which the console resides. Alert emails, however, are time-stamped according to the zone in which the WebInspect Enterprise Manager resides.

Universal Time does not honor Daylight Saving Time. Therefore, scheduled scan times will change by one hour after the transition between Daylight Saving Time and standard time. For example, suppose you schedule a scan to occur daily at 4 p.m. and you are in the Eastern time zone of the United States during the Daylight Saving Time period. The WebInspect Enterprise Manager records the settings and will begin the scan each day at 8 p.m. Universal Time (which is the equivalent of 4 p.m. Eastern daylight time). However, when the transition to standard time occurs, your scheduled scan will begin at 3 p.m. local time instead of 4 p.m. Even though you set your clocks back one hour, the Universal Time did not change.

Installations Lacking Internet Connection

All HP security products contain digital certificates of authority. When a product starts, the operating system attempts to connect to the Internet and download a certificate revocation list from the certificate's issuing authority (VeriSign) to determine if the product's certificate has been revoked. If the product cannot establish an Internet connection, it waits until the request times out, which substantially lengthens the product's start-up time. This inability to verify the certificate also causes other problems, including:

- Services fail to start.
- Multiple instances of `scriptserver.exe` are spawned.
- Scans fail to complete.

To avoid the complications caused by a lack of Internet access, consider the following solutions:

- (Recommended) Manually download the required CRL and install it.
- Use Microsoft Windows Server Active Directory to store and publish a certificate revocation list (CRL).
- Disable CRL checking for the server.
- Change the default CRL timeout period for the Microsoft Cryptography API (CAPI).
- Disable the "Check for publisher's certificate revocation" option in Internet Explorer settings. To do so, click the Internet Explorer **Tools** menu and select **Internet Options**, click the **Advanced** tab, scroll to the Security section, clear the check box next to "Check for publisher's certificate revocation," then close and restart Internet Explorer.

The recommended solution is to manually download the CRL, and then install it to the local computer certificate store.

To download the CRL:

- 1 Open a browser.
- 2 Go to <http://crl.verisign.com/pca3.crl>.
- 3 When prompted, "Do you want to open or save this file," click **Save**.

- 4 On the *Save As* dialog box, select a location and click **Save**.
- 5 Go to <http://csc3-2004-crl.verisign.com/CSC3-2004.crl>.
- 6 Repeat [step 3](#) and [step 4](#).

Note: Because the CRL is valid only for a limited time, you must retrieve a new CRL periodically.

To install a CRL to the local computer certificate store:

- 1 Log on to the computer as a member of the local administrators group.
- 2 Open the Certificates snap-in for the Computer account:
 - a Click **Start**, click **Run**, type **mmc**, and then click **OK**.
 - b On the **File** menu, click **Add/Remove Snap-in**.
The *Add/Remove Snap-in* dialog box appears.
 - c On the **Standalone** tab, click **Add**.
The *Add Standalone Snap-in* dialog box appears.
 - d In the **Available Standalone Snap-ins** list, click **Certificates**, and then click **Add**.
 - e Select **Computer account**, and then click **Next**.
 - f Click **Local computer**, and then click **Finish**.
 - g Click **Close**, and then click **OK**.
- 3 Under the Console root, expand **Certificates**.
- 4 Right-click **Intermediate Certification Authorities**, click **All Tasks**, and then click **Import**.
The Certificate Import Wizard opens.
- 5 Click **Next**.
- 6 Click **Browse**.
- 7 On the *Open* dialog box, select **Certificate revocation list (*.crl)** from the **Files of type** list.
- 8 Locate and select `pca3.crl` and click **Open**.
- 9 Click **Next** and follow instructions in the wizard to complete the installation.
- 10 Go to [step 4](#) and repeat the process to import `CSC3-2004.crl`.