Installation Guide

SilkTest® 2008 R2

Borland®

Contents

Introduction

Introduction This chapter provides an overview of how to install SilkTest and provides installation guidelines, information about the release, and instructions on contacting Technical Support.

What you will learn This chapter contains the following sections:

Overview of the Installation Process

SilkTest employs SilkMeter to control SilkTest product usage. SilkMeter supports various combinations of concurrent, as well as metered use of, software applications and offers flexibility in deploying SilkTest. SilkTest uses the floating license capability of SilkMeter, in which concurrent license usage is controlled. This means that client computers that have SilkTest installed will connect to a network or local license server for license policy administration.

SilkMeter license services can be configured and used in the following ways:

- Stand-alone
- License server

Stand-alone mode can be used when a license is needed only on a local machine. Stand-alone mode is the easiest to use, so it is particularly well-suited for product evaluations.

The following is an overview of licensing SilkTest using SilkMeter. Each of these steps are described in detail in this document.

1 Find the host ID of the computer that will be your license server. Note that you must have the host ID of your license server, not the host name. For more details, see "Finding your host ID".

2 Access http://sso.borland.com/download/ and follow the instructions to generate a license policy for SilkTest. For more details, see "Generating a SilkTest License Policy".

3 Install SilkMeter on the computer that will be your license server, along with your SilkTest license policy. For more details, see "Installing SilkMeter on Your License Server".

4 Install SilkTest on your local machine. For more details, see "Installing SilkTest".

Note SilkMeter only needs to be installed once per license server. If you have multiple license servers, you will need multiple license policy files, each one tied to a particular license server. A single SilkMeter license server can administer license policies for multiple Borland products.

About SilkTest

Supported Platforms For information on supported platforms for SilkTest, see the *Release Notes*.

SilkTest configuration recommendations We recommend:

- A PC with a Pentium processor running at 1 GHz
- 512 MB of RAM on Windows 2000, 1 GB RAM on Windows XP, 2003, or Vista.
- A hard drive with 120 MB of free space

See "SilkMeter license server requirements" for information about license server requirements.

Note These system requirements apply to the installation of both the full SilkTest product and the SilkTest Agent only.

Important installation guidelines **Upgrading** If you are installing SilkTest on a machine that already has a previous version of SilkTest installed, you **should uninstall the older version before upgrading**.

Dual-boot machines   If you are installing SilkTest and have a dual-boot machine with more than one Windows operating system, for example, both Windows 2000 and Windows XP, you must install SilkTest in different directories under the two operating systems. Otherwise, you risk causing problems with the Uninstall program. For example, if you want to install SilkTest on both the Windows 2000 and Windows XP partitions on a dual-boot machine, install into C:\ and D:\, respectively.

Administrator privileges   You **must** have local administrator privileges to install SilkTest on a Windows 2000, XP, or Vista machine. Once SilkTest is properly installed, you must also have administrator privileges in order to run SilkTest. If you are installing on a Windows 2000, XP, or Vista server, you **must** have domain-level administrator privileges.

Forte, PeopleSoft or Developer 2000 extensions   If you are installing SilkTest and are currently using the Forte, PeopleSoft or Developer 2000 extensions, copy the associated files from your current SilkTest installation directory to another location before uninstalling SilkTest. SilkTest no longer supports these extensions. You may continue to use them; however SilkTest does not install these extensions, so you must save the appropriate files before uninstalling your current version of SilkTest. After installing SilkTest, copy the files associated with the unsupported extension that you are using to **<SilkTest installation directory>/extend**.

Database testing functions

To use the database testing functions (functions whose names begin with DB_), you must have **ODBC version 3** installed.

In addition, ensure that an ODBC driver, such as odbc32.dll (SQL Server) or sqora32.dll (Oracle), is either on your path or in the System directory in order for SilkTest to find it. The name of this DLL may vary, depending on the specifications and vendor of your ODBC driver.

Items included with SilkTest

- SilkTest, for developing and running tests.
- SilkTest Agents, for translating 4Test method calls into GUI-specific commands.
- The following documents, available from **Start/Programs/Borland/ SilkTest 2008 R2/Documentation**:
    - *SilkTest Installation Guide*
    - SilkTest *Extension Kit Guide for Windows or* SilkTest *Extension Kit Guide for .NET*
    - *Silk TrueLog Explorer User Guide*

    You must have Adobe Acrobat Reader to view .pdf documents.
- *Online Help* topics, available from within SilkTest by choosing **Help/ Help Topics**.

- Release Notes, available from **Start/Programs/Borland/SilkTest 2008 R2/Release Notes** and from the Technical Publications area, available from http://techpubs.borland.com/silk_gauntlet/SilkTest/.

- Tutorials, available from **Help/Tutorials** and **Start/Programs/Borland/SilkTest 2008 R2/Documentation/SilkTest Tutorials**.

- Sample applications, available by choosing **Start/Programs/Borland/ SilkTest 2008 R2/Sample Applications**. Sample applications include:

Technology Platform	Sample Application Name
Adobe Flex	Flex Control Explorer, Flex Store, Flex Dashboard, AIR Control Explorer
Java SWT	SWT Test Application 3.2, SWT Test Application 3.3, SWT Test Application (IBM), SWT Test Application (SUN)
Java AWT	AWT Test Application
Java JFC	JFC Test Application
Microsoft .NET	Windows Forms Test Application, WPF Test Application, WPF Calculator, WPF Notepad, .NET 1.1 Test Application, .NET 2.0 Test Application
Win32	Simplified Chinese Test Application, Test Application, Text Editor

- The Green Mountain Outpost (GMO) application for use with SilkTest's tutorials (**Help/Tutorials**):

  - Client/server version of the GMO application located in the GMO folder on the SilkTest CD and from the SilkTest download area, available from http://www.borland.com/downloads/ download_silk.html.

  - Web-based version of the GMO application, available from http://demo.borland.com/gmopost

If you have purchased a license for a SilkTest Agent but not SilkTest itself, then only the Agent, documentation, sample applications, and the SilkTest Bitmap Tool are accessible after you install SilkTest.

Questions? Need help?   All customers who are under a maintenance-and-support contract and prospects who are evaluating products are eligible for technical support. If you have a question on this installation or on a technical topic, our highly trained Technical Support staff will respond to your requests as quickly and professionally as possible.

Contact Technical Support   You can reach Technical Support using the information on the Borland Answers Knowledge Base web page at http://support.borland.com. Click the **Contact Us** link to find the appropriate contact information for your location.

What's your Customer ID?   You can find your Customer ID on the packing slip or by contacting Borland Customer Service. After you install SilkTest and your license policy, you can also find your Customer ID by starting SilkTest and choosing **Help**/**About SilkTest**.

1

Licensing SilkTest

Introduction   This chapter describes how to obtain a SilkTest license policy and install SilkMeter. If you are installing an evaluation version of SilkTest, you can skip this chapter and proceed with Chapter 2, "Installing SilkTest".

What you will learn   This chapter contains the following sections:

Overview

This chapter describes how to obtain a license policy for SilkTest 2008 R2, and also how to install SilkMeter. You must have administrator privileges to install SilkMeter.

> **Note** SilkTest 2008 R2 requires SilkMeter version 2.7 or higher, as well as a SilkTest 2008 R2 license policy.

SilkMeter only needs to be installed once per license server. If you have multiple license servers, you will need multiple license policy files, each one tied to a particular license server. A single SilkMeter license server can administer license policies for multiple Silk products.

If you have already received a SilkTest license policy associated with your license server, see "Installing SilkMeter on Your License Server".

If you have not yet received a license policy, see the following section, "Generating a SilkTest License Policy".

Generating a SilkTest License Policy

You need a license policy to run SilkTest. You can use Borland's online license generator to generate a license policy. The online license generator requires a SSL-capable browser, such as Firefox or Internet Explorer.

The following is an overview of obtaining a license policy for SilkTest.

1   Access http://sso.borland.com/download/ and log in using your **Login ID** and **Password** that you received per email, then click **go**.

   Note If you don't have an access code, or have forgotten your access code, contact Borland support via http://support.borland.com.

2   On the Product Download Center page, click the **Silk** link.

3   Select the **SilkTest** version that you ordered from the product list.

4   Select the **License Keys** tab. To generate a license, select the radio button of the desired item and click **Generate** at the bottom of the page.

5   Enter the host ID of the computer that will be your license server (see "Finding your Host ID") and click **Generate** again.

6   The View Licenses page appears. Click the **License Overview** button to view your license keys. Click **Download** to receive your SilkTest license policy. Save the file to your local drive.

7   Install SilkMeter, along with your SilkTest license policy, on your license server computer. See "Installing SilkMeter on Your License Server".

8   Install SilkTest. See "Before you begin".

Finding your Host ID

Finding your host ID   **Procedure** To find the host ID of the Windows computer that will be your license server:

1   On the computer that will be your license server, open a command prompt and type **ipconfig/all**, then press **Enter**.

2   Note the host ID, which is your MAC Address or Physical Address of your LAN card, for example 00-BF-00-1C-D3-3D. You will need to enter this information to obtain a license policy for SilkTest.

   Tip Depending on your system setup (virtual machines, VPN connections, etc), your computer may have several MAC addresses. Make sure you note the host ID of your physical LAN card.

Installing SilkMeter on Your License Server

Before you begin   If you already have your SilkTest license policy, you can install it when you install SilkMeter. To obtain a SilkTest license policy, access the online License Generator. See "Generating a SilkTest License Policy" for instructions.

A SilkTest license policy is not required to install SilkMeter on your license server. Using the SilkMeter User Policy Administrator, you can import the SilkTest license policy later. However, you must import your license policy before you can run SilkTest. Note that if you are using more than one SilkMeter license server computer, you will need a separate SilkTest license policy for each SilkMeter license server.

SilkMeter license server requirements   Make sure your license server meets the following requirements before installing SilkMeter:

- Windows NT4 Service Pack 6a, Windows 2000, Windows XP, Windows 2003

- Internet Explorer 5.0 or higher (6.0 or higher recommended)

- Intel Pentium II/III/IV or equivalent CPU

- 256 MB RAM minimum

Uninstalling a previous version of SilkMeter   If SilkMeter is already installed on your license server, you must uninstall it before installing the latest version of SilkMeter.

Procedure To uninstall SilkMeter:

1   Choose **Start/Programs/Borland/SilkMeter/SilkMeter Uninstall**.

2   Click **Yes** to uninstall SilkMeter.

3   On the Remove Settings dialog, click **No** to keep your SilkMeter settings. SilkMeter is now uninstalled.

   Note You must click **No** to preserve license policies that currently exist on your SilkMeter license server.

4   Reboot your computer. You are now ready to install the latest version of SilkMeter.

Installing SilkMeter on your license server   You must have administrator privileges to install SilkMeter. If SilkMeter is already installed on your license server, you must uninstall it before installing the latest version of SilkMeter. See "Uninstalling a previous version of SilkMeter".

To install SilkMeter on your license server:

1   Locate **silkmeter.exe***:*

- *If you have a SilkTest installation CD:* Insert your CD in the computer that will be your license server and navigate to **<cddrive>:\silkmeter.**

- *If you will be downloading SilkMeter:*

   a. navigate to http://www.borland.com/downloads/lservers/silkmeter/index.html.

   b. specify the location to which you want to save this file, and then click **Save**. Make sure that you save the file on your license server or a location that your license server can access.

   c. navigate to the location in which you saved **silkmeter.exe**.

2   Double-click **silkmeter.exe**.

3   Click **Next** on the Welcome dialog; Setup extracts the files to a temporary directory. Click **Next** again.

4   Review the License Agreement and click **Yes** to accept the terms of the License Agreement.

5   On the Enter Installation Path and Configuration Directory for SilkMeter Runtime window, click **Next** to install SilkMeter in the default directory and use the default configuration folder, \cfg.

6   On the Enter Host Name dialog, enter or verify the **Local hostname** and **Port**, then click **Next**. The hostname is the name of the computer on which SilkMeter is installed.

7   On the Select Program Folder window, click **Next** to accept the default program folder, *Borland\SilkMeter*. Setup now installs SilkMeter.

8   If you:

   - *Already have your SilkTest license policy:* Click the ellipsis (**...**) on the Install SilkMeter Policy window, navigate to the location to which you saved your SilkTest license policy file, **license.pol,** and then click **Open.** Click **Finish** to install the SilkTest license policy.

   - *Do not have your SilkTest license policy:* Click **Finish**. You can import your SilkTest license policy when you receive it. See "Generating a SilkTest License Policy" for instructions on obtaining a SilkTest license policy. Instructions for importing SilkTest license files are available from the online License Generator and in the SilkMeter Runtime *Online Help*.

9   To view the SilkMeter Release Notes, click **Yes** on the View Release Notes dialog. Click **No** to continue the installation without viewing the Release Notes.

10 The InstallShield Wizard Complete dialog appears. Click **Finish** to complete the installation process.

Warning If the dialog prompts you to reboot the computer, make sure to do so, otherwise SilkMeter will not work.

Modifying Your License Server Configuration

To run any version of SilkTest, SilkMeter must be installed and configured on a computer within your network. This is done automatically during the installation of SilkTest.

The SilkTest/SilkMeter communication process relies on the following files:

- SILK_CONFIG_PATH environment variable
- CosLicensingService.ref file
- CosPropertyService.ref file
- ls_segue.ref file
- silkmeter.cfg. file

Warning Do not delete these files.

The environment variable, as well as the files, are created by the SilkTest 2008 R2 setup program, based on the values you enter in the edit fields of the *Select SilkMeter License Server* utility (see "Installing SilkTest").

You can use the *Select SilkMeter License Server* utility to modify or repair your license server configuration. This utility was installed with your SilkTest Application Server installation.

Procedure To modify your license server configuration:

1 A shortcut to the utility is included in the SilkTest 2008 R2 folder on the Start menu with your SilkTest installation. Choose **Start/Programs/ Borland/SilkTest 2008 R2/Administration Tools/Change your License Server Configuration.**

2 The Select SilkMeter License Server utility opens. This utility checks your local system for the existence of SilkMeter license server configuration files. If the files are found, the configuration and type of license server are displayed and will be used for licensing. If no configuration data is found, the Select SilkMeter License Server dialog is displayed with the default settings.

3 In the **License Server Host** field, enter the name of your SilkMeter license server. The default **Port Number** should not be changed, unless your network administrator has defined a different port. Click **Apply** to generate your license server configuration.

4 By clicking the **Test connection** button, you can check that a SilkMeter server is accessible on the specified host and port.

5 When you have finished specifying the license server, click **Close** to complete updating your license server configuration.

2

Installing SilkTest

Introduction   This chapter describes how to install SilkTest and other components such as the Agent and SilkTest Runtime.

What you will learn   This chapter contains the following sections:

Overview

Before you begin   If you are installing on a machine with a previous version of SilkTest or QAP Partner, you must uninstall the previous version and reboot before installing this release. To uninstall SilkTest, click the Windows Start button, then select SilkTest Uninstall from the SilkTest program group.

You may also set up silent installs for SilkTest, SilkTest Runtime, and the SilkTest Agent; see "Using the Silent Installer" for more details.

You must have administrator privileges to install or uninstall SilkTest on **Windows 2000**, **Windows XP,** or **Windows Vista**. You must also have administrator privileges to run SilkTest after it is installed.

Before you install, make sure that the msvcp60.dll file is installed in your Windows System directory (windows\system or winnt\system32). SilkTest

requires this file in order to install correctly. This file should have already been automatically installed as part of the standard Windows installation.

If msvcp60.dll is not in your Windows System directory, use Windows Explorer to search for the file, then copy it to the Windows System directory. If you cannot find this file on your system, search for the file on your installation CD, or upgrade to the latest service pack.

Installing SilkTest

Procedure To install SilkTest, the SilkTest Agent only, or SilkTest Runtime:

1 Locate the SilkTest executable.

- If you have a SilkTest CD: insert your CD. If the Setup Program does not start automatically, manually start the SilkTest Setup Program by clicking **Start/Run** and typing **<*cddriv*e>:\setup.exe**.

- If you are downloading SilkTest:

    - Access http://sso.borland.com/download/ and log in using your **Login ID** and **Password** that you received via email, then click **go**, or access http://www.borland.com/downloads/ to download a trial version of SilkTest.
      If you do not have an access code, or have forgotten your access code, contact Borland support via http://support.borland.com.

    - On the Product Download Center page, click the **Silk** link.

    - Select the SilkTest version that you ordered from the product list.

    - Select **HTTP Download** or **FTP Download** next to the SilkTest product.

    - Specify the location to which you want to save this file, and then click **Save**. You can also run the file from your browser by double-clicking the .exe, if your browser supports this.

    - Navigate to the location in which you saved the executable and double-click this file.

    Note If your Windows TEMP environment variable does not point to a valid directory, an error message will be displayed. In order to successfully install SilkTest, your TEMP environment variable must point to a valid directory.

To reset your TEMP environment variable:

- Choose **Start/Settings/Control Panel** and double-click the System icon, click the **Advanced** tab, then click **Environment Variables**.

- Under **User Variables** or **System Variables**, double-click the TEMP variable.

- Enter a valid directory, then click **OK**.

- Restart the SilkTest installation by double-clicking the .exe file.

2 On the Remove Installation Files dialog box, choose whether to remove the installation files when installation completes and then click **Next**.

3 The necessary files are extracted and the setup start page is displayed. Click **Next** to continue.

4 If an earlier version of SilkTest, such as SilkTest 2006, is detected on the computer, SilkTest asks whether to continue or abort the installation. Installing multiple versions of SilkTest on the same machine is not recommended. To abort the installation, click No. To continue the installation, click Yes.

5 Click **Next** on the Welcome dialog box, review the License Agreement, then click **Yes** to accept the terms of the License Agreement.

6 On the Customer Information dialog box, enter your user name and company. Select one of the following:

- **Anyone who uses this computer (all users)** – Allows any user of this computer to run SilkTest.

- **Only for me** – Allows only the registered user to run SilkTest.

7 On the Setup type dialog box, select one of the following installation options:

- **SilkTest 2008 R2** – Installs the full installation of SilkTest, including the SilkTest Agents. The full installation enables you to record, script, execute, and view the results of tests. (Default setting)

- **SilkTest 2008 R2 Runtime** – Installs SilkTest Runtime and the SilkTest Agents. You use SilkTest Runtime to execute a set of tests and view the results.

- **SilkTest 2008 R2 Agent Only** – Installs the SilkTest Agent software which includes the SilkTest Classic, Open, and Unix Agents. You install only the SilkTest Agent software on machines that are used for distributed testing. For additional information about installing the SilkTest Unix Agent, see "Installing the Classic Agent for Unix" on page 29.

8   To install the Windows and .NET extension kits (including documentation), check the **SilkTest Extension Kit, which enables you to write 4Test Agent functions in C** check box.

9   To install the Silk4J Eclipse plug-in, check the **Silk4J Eclipse Plug-in that enables you to use Java as a Scripting Language** check box.

10 To specify the **Destination path** for the installation location, click **Next** to accept the default location, or click **Browse** to specify a different folder. Note that SilkTest can only be installed on a local drive. An error message displays if you specify an invalid installation destination.

If you specified a location in which SilkTest was previously installed and some of the files remain in this directory, you may receive an error message instructing you to uninstall SilkTest. Make sure all files are removed, and then reboot and install SilkTest.

Note You cannot install SilkTest and SilkTest Runtime on the same machine.

11 On the Eclipse Plug-in to enable Java as a Scripting Language dialog box, select whether you want to install a new Eclipse environment when you install Silk4J.

Note This dialog only displays if you checked the **Silk4J Eclipse Plug-in that enables you to use Java as a Scripting Language** check box on the previous dialog box.

This plug-in enables you to create Java based test scripts in Eclipse and replay them with the Open Agent. Select one of the following installation options:

- **Install Silk4J and a new Eclipse environment** – To install Silk4J and an Eclipse environment, choose this option.

- **Install Silk4J and use an existing Eclipse environment** – To use an existing Eclipse environment with Silk4J, choose this option. Click Browse and navigate to the Eclipse environment that you want to use. You must re-start Eclipse after the SilkTest installation finishes in order to see the Silk4J plug-in.

  When installation completes, access the Eclipse environment by choosing **Start/Programs/Borland/SilkTest 2008 R2/Eclipse (with Silk4J).** For instructions for using the plug-in, refer to the online help within the plug-in.

12 On the Start Copying Files dialog box, review your settings. Click **Next** to continue with the SilkTest installation, or click **Back** to return to a previous dialog box and change settings.

Tip If a message appears stating that there is not enough space while files are copying, redefine the TEMP area to a drive that contains more space. The installer uses the TEMP area for unzipping files. For example, if your TEMP area is d:\temp and you are installing to e:\SilkTest, the E drive may contain enough space for the installation, but the D drive is the limiting factor.

13 On the Choose licensing mode dialog box, select one of the following:

- **Evaluation version** – Allows full product functionality for a period of 30 days. If you want to upgrade to a full version of SilkTest at a later point in time, contact your Borland sales representative.

  Click **Next** and proceed to Step #19 if you are installing the Evaluation Version of SilkTest.

- **Full version** – Requires a license policy. See "Generating a SilkTest License Policy" for more information about licensing.

14 Click **Next**.

15 The SilkTest 2008 R2 licensing dialog box is displayed and is provided for informational purposes only. For information on SilkMeter licensing, click **Open SilkMeter ReadMe**. Note that this button is disabled if the document is not available in the installation source folder.

16 Click **OK** to specify a SilkMeter license server, or **Cancel** to continue the installation without specifying a SilkMeter license server. (If you click **Cancel**, proceed to Step #19.)

17 If you clicked **OK** in the previous step, the Select SilkMeter License Server dialog box is displayed. This utility checks your local system for the existence of the SilkMeter license server configuration files. If the files are found, the configuration and type of license server are displayed and will be used for licensing. If no configuration data is found, the Select SilkMeter License Server dialog box is displayed with the default settings.

- In the **Application** drop-down list, select *SilkTest* as the application you are licensing.

  Then select one of the following:

- **Using Local or Remote Server** – Enter the name of your SilkMeter license server (the name of the machine on which SilkMeter is installed) in the **License Server Host** field. The default Port Number (5461) should not be changed, unless your network administrator has defined a different port. Click **Apply** to generate your license server configuration. Click **Test Connection** to verify that a SilkMeter server is accessible on the specified host and port. Testing

the connection to the license server may fail during installation as required system libraries, which will be installed later with the software package, may not yet be available.

Note In some cases, specifying the simple name of the license server in the Hostname field -- **licenseserver,** for example -- may not work. If this is the case, a message stating that there is no license server running on the Hostname you specified will be displayed. Re-specify the Hostname using a fully qualified name, such as **licenseserver.borland.com**.

• **Not Using Server (Standalone)** – Runs SilkMeter standalone. You are prompted to import a SilkMeter License. If you click **Yes**, you will be prompted to specify the location of your license file.

Note You can import your license file later. Click **Close** to skip this step. The Select SilkMeter License Server utility is installed with the product, so that you can access it later from the Start menu to test the connection.

18 Click **Close** to return to the InstallShield Wizard and continue the SilkTest installation.

19 On the Select Language for Browser Include Files dialog box, select a default language for testing browsers, then click **Next**. The browser include (.inc) file for the language you select will be installed to your **<SilkTest installation>\Extend** directory. All browser include files are installed in your **<SilkTest installation>\Locale** directory; to switch to another language later, see the *online Help*.

20 On the Select Default Browser dialog box, verify your default browser for Web application testing, then click **Next**. If you want to specify a different default browser for SilkTest, select the appropriate browser. If you are *not* testing a Web application, select **None**, then click **Next**.

Regardless of what you select, you can change this setting later within SilkTest. Refer to the SilkTest *online Help* for instructions on changing your default browser or browser extensions after installation.

Note The Setup Program preselects the option in this dialog based on browser settings on your machine. (If you are using Internet Explorer, it displays only the version of IE installed on your machine.) The Setup Program uses this information to set the appropriate browser extension and let the recovery system know which browser it should invoke.

For example, if your default browser is Internet Explorer 7.0, the Setup Program preselects Internet Explorer 7.0. You can change your default browser at any time through the SilkTest Runtime Options dialog box.

Note If your default browser is Internet Explorer 6.0, you may receive a message that your browser's third-party extensions are not enabled. You must enable this option in order for SilkTest to recognize objects in browser pages. You can enable this option and then continue with the installation, or you can wait and enable the option after the installation is complete. To enable third-party browser extensions:

    a) On the **Tools** Menu in Internet Explorer, choose **Internet Options**.

    b) Click the **Advanced** tab.

    c) Under **Browsing**, check the **Enable third-party browser extensions (requires restart)** check box, then click **OK**.

    d) Restart your browser by closing and reopening the browser window.

You do not have to reboot your computer for the new setting to take effect; just close and reopen the browser window.

21 Click **Finish** to exit the InstallShield Wizard and restart your computer. You *must* reboot for SilkTest to work properly.

See the *Release Notes* for up-to-date information about SilkTest.

A working network connection is required when running SilkTest with a remote SilkMeter license server. If you need to verify that the network is working, choose **Start**/**Run**, and then type **ping localhost** or **ping <*license server name*>**, or open a command prompt and type either of those commands.

Using the Silent Installer

InstallShield provides an option for installing a product without any user interaction. This option, called silent mode installation, can be used to install SilkTest. During a typical user-driven installation, the install process gets its information from a user responding to dialog boxes. However, during a silent installation, the installation process gets its information from an InstallShield Silent Response file (.iss file). You can execute silent installs of SilkTest, SilkTest Runtime, and the SilkTest Agent.

SilkMeter is a licensing tool; when you run the Silent Installer it "skips" detecting a SilkMeter server. If you have not already configured your license server, you may have to do so after you install SilkTest with the Silent Installer. See "Configuring SilkMeter with the Silent Installer" for more details.

Running the Silent Installer to Install SilkTest

Procedure To install SilkTest in silent mode:

1 Before you can customize the installation package to run in silent mode, you must prepare the installation files that are located in a folder on the hard drive of the destination computer.

    a If you have a SilkTest installation CD, copy the contents of the CD to an empty directory.

    b If you have downloaded a SilkTest setup package, extract the setup package to an empty directory. The downloaded setup package offers an option for doing this automatically when you double-click the package.

2 In the folder where you copied the files, locate the `SetupLauncher.ini` file and open it in a text editor.

3 Locate the `[STARTUP]` section. Set the `MODE` option to `SILENTMODE`.

```
[STARTUP]
;;;;;; Settings for silent installations
;;; NORMALMODE .. Standard installation with GUI,
    SILENTMODE .. silent installation mode
MODE=SILENTMODE
```

4 Locate the **[SETUPTYPE]** section. Set the **INSTANCE** option to 0 for a typical installation of SilkTest.

```
[SETUPTYPE]
;;;;;;;;;;;; 0 .. SilkTest installation, 1 ..
  SilkTest RunTime installation, 2 .. SilkTest Agent
  only installation
INSTANCE=0
```

5 If you want to install the Extension Kit, set the **EXTENSIONKIT** option on the line following the comment to 1.

```
;;;;;;;;;;;; 0 .. Extension Kit not selected,
  1 .. Extension Kit selected
EXTENSIONKIT=1
```

6 If you want to install the Silk4J Java Testing Framework (JTF), locate the **[JTF]** section and set the INSTANCE option to 1.

```
;;;;;;;;;;;; 0 .. SilkTest JTF not selected , 1 ..
SilkTest JTF selected
[JTF]
INSTANCE=1
```

a To install Silk4J and a new Eclipse environment, set the **ECLIPSE_SDK_INSTALL** option to 1.

```
;;;;;;;;;;;; 0 .. Eclipse SDK not selected, 1 .. Eclipse
SDK selected
ECLIPSE_SDK_INSTALL=1
```

b To install Silk4J into an existing Eclipse environment, set the **ECLIPSE_SDK_INSTALL** option to 0 and specify the location of the existing Eclipse SDK in the **ECLIPSE_SDK_DIR** field.

```
ECLIPSE_SDK_INSTALL=0
ECLIPSE_SDK_DIR=<existing_directory_location>
```

where *<existing_directory_location>* is the directory where Eclipse is installed.

7 To specify the installation type, license server name, or license server port, locate the **[LICENSING]** section.

a To specify the type of installation, set the **LICENSE_MODE** option to **eval** to install a 30-day evaluation copy of SilkTest, or type **full** to install a fully-licensed version of SilkTest.

Note If you specify **eval** mode, the **LICENSE_SERVER** and **LICENSE_PORT** values are ignored.

b To specify a license server, set the **LICENSE_SERVER** option to the server location.

    c   To specify the port of the license server, set the **`LICENSE_PORT`** option to the license server port number.

    By default, the port value is set to 5461. If you do not change the port value, 5461 is used.

8   Save the **`SetupLauncher.ini`** file.

9   Locate the **`Install.iss`** file in the folder you copied the installation files to. Open it in a text editor. Locate the **`szDir`** tag and set the target installation directory (the directory where SilkTest will be installed).

10   Save **`Install.iss`**.

11   To execute the silent mode setup, enter the following command line in a DOS shell or from a batch file.

```
setup /s /f1"<prepared directory>\Install.iss"
```

/s puts the installer into silent mode

/f1 (number one) indicates where to find the **`Install.iss`** response file. There is no space between **/f1** and the directory location and filename. The locations and filename is enclosed in quotes.

To make the installation package run with the GUI again, change the MODE back to NORMALMODE.

Example
```
C:\temp\setup /s /f1"C:\temp\Install.iss"
```

C:\temp is the location of the installation files

/s puts the installer into silent mode

/f1 indicates that the **`Install.iss`** response file is in the C:\temp folder.

Examining the Log File

When you run the Silent Installer, you may not see any messages or SilkTest dialog boxes. It may be difficult to know whether the installation was a success. You can, however, look at the **`setup.log`** file which InstallShield creates listing the status of the install (by default, the **`setup.log`** file is generated in the same folder as the Setup executable.) The "Sample log file" shows the results of a successful installation. We recommend examining the log file before you make the Silent Installer available for others to use.

If an earlier version of SilkTest, such as SilkTest 2006, is detected on the computer, SilkTest continues the installation and includes an entry in the log file. Installing multiple versions of SilkTest on the same machine is not recommended.

Procedure To verify that the silent installer was successful:

1 Browse to and open the **setup.log** file in a text editor.

2 A zero value for the return value of the **ResultCode** keyname in the [ResponseResult] section indicates whether or not the Silent Installer succeeded.

Possible return values for the **ResultCode** keyname are:

Value	Meaning
0	Success
1	General error
2	Invalid mode
3	Required data not found in the Setup.iss file
4	Not enough memory available
5	File does not exist
6	Cannot write to the response file
7	Unable to write to the log file
8	Invalid path to the InstallShield Silent response file
9	Not a valid list type (string or number)
10	Data type is invalid
11	Unknown error during setup
12	Dialogs are out of order
51	Cannot create the specified folder
52	Cannot access the specified file or folder
53	Invalid option selected

Sample log file A **setup.log** file for a successful silent installation of InstallShield is shown below. Notice that the **ResultCode** is equal to zero, indicating a successful install.

```
[ResponseResult]
ResultCode=0
```

Configuring SilkMeter with the Silent Installer

After you run the Silent Installer, you may have to configure your SilkMeter connection before you can use SilkTest. SilkMeter offers flexibility in deploying SilkTest licenses.

Procedure To configure your SilkMeter connection:

1 Choose **Start/Programs/Borland/SilkTest 2008 R2/Administration Tools/Change your License Server Configuration.**

2 Follow the directions on the dialog to select the SilkMeter license server SilkTest will use for licensing.

Uninstalling in Silent Mode

Procedure To uninstall SilkTest in silent mode:

1 On a computer where you installed SilkTest in silent mode, locate the directory where the prepared silent mode files are.

   Note If you want to remove a typical SilkTest installation with silent mode, you need to prepare the installation files in a directory on the hard drive of the destination computer.

2 To execute the silent mode uninstallation procedure, enter the following command line (in a DOS shell or from a batch file).

```
setup /s /f1"<prepared directory>\UnInstall.iss"
```

   /s puts the installer into silent mode

   /f1 (number one) indicates where to find the `UnInstall.iss` response file. In this case, the response file is in the root directory of the C:\ drive.

      Note There is no space between **/f1** and the directory location and filename. The location and filename are enclosed in quotes.

Installing the Classic Agent for Unix

After you install the SilkTest Agent software, additional steps are required if you want to use the SilkTest Classic Agent for Unix. To use the SilkTest Classic Agent for Unix, copy the SilkTest Classic Agent for Unix files from the Windows machine that was used for SilkTest Agent installation and extract them on a Unix machine.

Procedure To install the SilkTest Classic Agent for Unix on a Unix machine:

1   On the computer where you installed the SilkTest Agent software, locate the directory where the SilkTest Unix Agent tar files are. By default, this location is **c:\Program Files\Borland\SilkTest\unix_agent**.

2   Copy the .tar file that is appropriate for your Unix machine. SilkTest provides the following files:

   •   **linux21_sp3.tar.gz** – for Linux 2.1

   •   **linux30_sp3.tar.gz** – for Linux 3.0

   •   **solaris_sp3.tar.gz** – for Solaris 9 and 10

3   Extract the .tar file on your Unix machine. Type:

   ```
tar xzf <filename>.tar.gz
   ```

   where **<filename>** is the appropriate file name for your version of Unix.

4   Change to the bin directory and then run a shell or cshell script. For instance, type:

   ```
cd bin
csh <filename>
   ```

5   Start the Agent.

Installing Silk4J Eclipse Plug-in

The Silk4J Eclipse plug-in enables you to create Java based test scripts directly in your Eclipse environment. You can install the Silk4J Eclipse plug-in when you install SilkTest using the SilkTest installation wizard. For details, see "Installing SilkTest" on page 18.

Use this procedure:

*   If you upgrade your version of Eclipse after you install the Silk4J plug-in.
*   If you did not install the Silk4J Eclipse plug-in when you installed SilkTest, and you want to install it manually.

Procedure To install the Silk4J Eclipse plug-in:

1   Open a command prompt and set your Eclipse directory as the current directory.

2   Type the following command:

```
"<SilkTest_install_ directory>\ng\controlcenter\
FASTxd\jre\bin\java.exe"
-jar plugins\\org.eclipse.equinox.launcher *.jar -
application org.eclipse.update.core.standaloneUpdate
-command addSite
-from "<SilkTest_install_ directory>\ng\controlcenter\
eclipse\integration\eclipse"
```

where *<SilkTest_install_ directory>* is the directory where SilkTest is installed.

For example, if SilkTest has been installed in the default directory **C:\Program Files\Borland\SilkTest**, the command looks like this:

```
"C:\Program Files\Borland\SilkTest\ng\controlcenter\
FASTxd\jre\bin\java.exe"
-jar plugins\\org.eclipse.equinox.launcher_*.jar
-application org.eclipse.update.core.standaloneUpdate
-command addSite
-from "C:\Program Files\Borland\SilkTest\ng\
controlcenter\eclipse\integration\eclipse"
```

3   Press **Enter**.

4   Re-start Eclipse if it was running when you performed the Silk4J installation.

Access the Eclipse environment by choosing **Start/Programs/Borland/ SilkTest 2008 R2/Eclipse (with Silk4J)**. For instructions for using the plug-in, refer to the online help within the plug-in.

What To Do Next

Enable applications   If you are testing applications that use controls other than the Microsoft Foundation Class (MFC) library, you may need to enable support for the development language in which the controls were created. The installation program enables the development environment when it knows the test application's underlying executable name. You might have to enable some applications yourself, for example, .NET applications, all stand-alone Visual Basic applications, ActiveX controls used outside the browser environment, and applications with embedded browser controls. For information about enabling applications, see the *online Help*.

Try the tutorials   If you are new to SilkTest, we recommend that you try the SilkTest tutorials, available from **Start/Programs/Borland/SilkTest 2008 R2/Documentation/ SilkTest Tutorials**.