

SilkPerformer[®] 2010 R2

SOA Edition

Release Notes

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SilkPerformer Release Notes

Version 2010 R2

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This file contains important information that might not appear in the Help. Read this file in its entirety.

For information about installation, deployment, and licensing issues, refer to the [SilkPerformer Installation Help](#).

Navigate to supportline.microfocus.com for further assistance from Customer Care.

What's New in SilkPerformer 2010 R2

SilkPerformer 2010 R2 introduces significant enhancements and changes.

Central Data Files

Parameterizing your workload with values that are stored in data files has been extended so that all virtual users can sequentially access data rows in a centrally managed data file with the new BDL function `FileGetNextUniqueRow`.

The test-wide unique row pointer is maintained for all virtual users on all agents regardless of whether the file is opened with a regular (`FileCSVLoad` or `FileFixedLoad`) or global (`FileCSVLoadGlobal` or `FileFixedLoadGlobal`) function. Therefore, all virtual users are essentially sharing test-wide sequential access to the same data file, ensuring that every virtual user gets a unique data row on each `FileGetNextUniqueRow` function call.

System Information Functions

SilkPerformer now provides three new functions for retrieving system information:

- `GetInternetExplorerInfo`: Returns the major and minor version and the build number of the installed Windows Internet Explorer.
- `GetOperatingSystemDisplayString`: Returns the long name of the operating system.
- `GetOperatingSystemInfo`: Returns the major and minor version and the build number of the operating system.

Usability Enhancements

Usability enhancements have been implemented throughout SilkPerformer:

Enhanced Classpath Handling For Java Projects

Upon confirmation, adding `JAR` files to a SilkPerformer Java project now automatically adds those files to the *classpath* too. Removing `JAR` files from a SilkPerformer Java project also removes them from the *classpath* again.

Suppression of New Results Files Subdirectory Dialog Box

The **New Results Files Subdirectory** dialog box, which is displayed each time a load test is run, now includes a **Do not show this dialog box again** checkbox. Checking this checkbox suppresses future display of the dialog box.

To reset this dialog box and any other suppressed dialog boxes to their default active state, go to **System Settings > Workbench > Workspace** and click **Show all dialog boxes**.

Customized Display of Relevant Columns on the Monitor Page

The **Monitor** page provides real-time information about the progress of your load test. The displayed columns depend on the application type of your project and can be customized by right-clicking either the **Summary** or the **User** list box on the **Monitor** page and choosing **Select Columns**. The selected columns are saved per project.

The **Select Monitor Columns** dialog box has also been enhanced with new buttons: **All** for selecting all columns, **None** for deselecting all columns, and **Default** for selecting the default columns for the project's application type.

Easier Management of Script Files

The context menu for the **Scripts** node of the SilkPerformer menu tree has been reorganized and enhanced for easier script file management:

- **Add Existing Script...**: Opens a file dialog for adding an existing script to the current project.
- **Rename Script**: Lets you rename an existing script. This functionality can also be triggered with the keyboard shortcut **F2**.
- **New Script**: Provides a cascaded submenu that offers a variety of different script type templates to create new scripts and automatically add them to the current project.

Technology Updates

SilkPerformer2010 R2 supports the testing of the following latest technologies and applications:

Microsoft Visual Studio 2010

SilkPerformer support for .NET now includes Microsoft Visual Studio 2010.

You can specify the corresponding application type when setting up a new project on the **Outlining Project** dialog box. Select **.NET > .NET Framework using Visual Studio .NET Add-On** from the **Application** tree menu.



Note: You must have Microsoft Visual Studio 2010 installed on your system to use this application type.

Support For Connecting Agents Through a Proxy With Authentication

SilkPerformer now offers the capability to connect to agents (both for cloud and regular agents) through a proxy server that uses basic authentication, NTLM, or Kerberos.


Upgrade to OpenSSL 1.0.0a

SilkPerformer now ships with the OpenSSL Toolkit 1.0.0a. For details about the OpenSSL toolkit, refer to <http://www.openssl.org/>.

Tested Software

This section lists the software with which SilkPerformer has been tested.

System Area	Tested With
Operating systems	<ul style="list-style-type: none">• Microsoft Windows XP with Service Pack 3• Microsoft Windows XP 64bit with Service Pack 3• Microsoft Windows Server 2003 with Service Pack 2• Microsoft Windows Server 2003 64bit with Service Pack 2• Microsoft Windows Vista with Service Pack 2• Microsoft Windows Vista 64bit with Service Pack 2• Microsoft Windows Server 2008 with Service Pack 2• Microsoft Windows Server 2008 64bit with Service Pack 2• Microsoft Windows Server 2008 R2• Microsoft Windows 7 32bit• Microsoft Windows 7 64bit
Web browsers	<ul style="list-style-type: none">• Windows Internet Explorer 6.0, 7.0, 8.0• Opera 8.5.1, 9.2• Mozilla Firefox 3.0 or later• Google Chrome
SOAP support	<ul style="list-style-type: none">• Microsoft SOAP Toolkit 2.0 Service Pack 2 (SP2), Internet Information Server 5• Apache-SOAP Version 2.1, TOMCAT Version 3.1
Web Service Support	<ul style="list-style-type: none">• Axis 1.x• Axis2 1.4, 1.5• GlassFish Metro 1.5
Java support	<ul style="list-style-type: none">• Sun Microsystems Java Runtime Environment 1.2.2: classic and hotspot 1.0• Sun Microsystems Java Development Kit 1.4, 1.5, 1.6, 1.7• IBM Java Development Kit 1.3• Eclipse 3.2, 3.3, 3.4, 3.5, 3.6
.NET support	<ul style="list-style-type: none">• Microsoft .NET Framework 1.0, 1.1, 2.0• Microsoft .NET Framework runtime 2.0• Microsoft Visual Studio 2005, 2008, 2010

System Area	Tested With
Rich Internet applications (Web 2.0)	<ul style="list-style-type: none"> • Adobe Flex 2, 3, 4 • Google Web Toolkit • ExtJS 3 • Eclipse RAP • script.aculo.us
SNMP support	<ul style="list-style-type: none"> • SNMPv2-MIB • RFC1213-MIB • RDBMS-MIB • ORADB-MIB • httpServer-MIB • ftpServer-MIB • SUN-MIB • BEA-WEBLOGIC-MIB • APPSRV_MIB (NetDynamics) • SQUID-MIB • WAPServer_MIB (Nokia)
	 Note: To find RFCs and vendor MIBs on the Web, visit The Internet Engineering Task Force .
Proxy servers for firewall tunneling	<ul style="list-style-type: none"> • Microsoft Proxy Server 2.0 • Netscape Proxy Server 3.5 (due to a defect in Netscape Proxy Server, HTTP tunneling is not supported) • WinGate 4.0.1 • Squid 2.3.STABLE4 (LINUX) • Squid 2.4 STABLE3 (LINUX) • Dante 1.1.6 (LINUX)
Source Code Control Integration (SCCI) support	<ul style="list-style-type: none"> • StarTeam (with SCC Integration patch) 2005 R2, 2006, 2008 • Microsoft Visual SourceSafe 6.0c, 6.0d, 2005 • Merant Version Manager 8.0.2.0

System Requirements and Prerequisites

The following tables identify the system requirements for installing and running SilkPerformer. For details about SilkPerformer performance and scalability, see the *Performance and Scalability Matrix*.

Hardware Requirements

To run the SilkPerformer agent software, or both controller and agent software, and to use the full potential of SilkPerformer to run large-scale load-tests, your system must meet the following minimum requirements:

System Area	Requirement
Processor	Pentium IV or equivalent CPU
RAM	512 MB recommended minimum 1 GB recommended
Virtual memory	Three times as much virtual memory as RAM
Hard disk space	580 MB for controller software installation. 170 MB for agent-only installation. Depending on the size of your load tests, make sure you have enough space on your hard disk for result files.
Network	Windows network with TCP/IP (when using remote SilkPerformer Agent computers)
Network adapter	10 MBit recommended minimum fast Ethernet recommended

Table 1: Load Testing

To use SilkPerformer for traffic recording purposes, scripting, and monitoring, your system must meet the following minimum requirements:

System Area	Requirement
Processor	Pentium IV or equivalent CPU
RAM	256 MB
Hard disk space	440 MB
Network	TCP/IP

Table 2: Recording, Scripting, and Monitoring

Software Requirements

To install and run SilkPerformer, your system requires a minimum set of software components:

The specific components that are required vary based on installation type. For example, to run SilkPerformer Java Explorer, your system must be equipped with either of Sun Microsystems Java Development Kit 1.4, 1.5, 1.6, 1.7. Download components from their respective vendors' Web sites.

- Microsoft .NET Framework 4.0
- Windows Internet Explorer 6.0, 7.0, 8.0 for browser-driven recording
- Adobe Acrobat Reader to view documentation
- Citrix XenApp Client 11, 11.2, 12.0 or Citrix Web Interface 5.1, 5.2, 5.3 to test Citrix applications
- Sun Microsystems Java Development Kit 1.4, 1.5, 1.6, 1.7 to test Java applications with Java Explorer

Installation Instructions

For information about installation, deployment, and licensing issues, refer to the [SilkPerformer Installation Help](#).

SilkPerformer Results Repository

The *SilkPerformer Results Repository* has been deprecated. We recommend using SilkCentral Test Manager for storing and analyzing load test results. If you still wish to use the Results Repository, you can download it from the [SilkPerformer Customer Downloads](#) page. For further questions, please contact Micro Focus's technical support.

Licensing Information

SilkPerformer2010 R2 needs a new 8.2 license. If you want to run a previous version of SilkPerformer during the upgrade process to version 2010 R2, you may keep your old licenses for a period of 90 days.

Known Issues

This section identifies known issues in SilkPerformer.

SilkPerformer's known issues and their resolutions are documented in the [Borland Knowledge Base](#).

Resolved Issues

Issue #	Description	Notes
RPI 575693	Too many users/agents get executed when downsizing the number of agents in a workload.	
RPI 575971	The Workload Configuration dialog reports a problem when switching between cloud and non-cloud execution.	
RPI 576353	If a cloud-enabled workload is active, a message dialog appears unnecessarily after a TryScript run.	
RPI 1074837	A browser-driven load test may fail due to a corrupt http header string.	
RPI 575553	The memory column on the System Settings - Workbench > Agent Pool page displays wrong values for Agents with more than 8 GB RAM.	
RPI 1076785	When agent machines have different times set (difference of only minutes) the load test results have several problems including incorrect load test duration and incorrect number of active users.	
RPI 575582	The <code>ToEncoding</code> function is not scripted when recording UTF-8 Web sites.	