

SilkCentral Test Manager 2011

Release Notes

Borland[®]
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SilkCentral Test Manager 2011 Release Notes

Version 2011

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These notes contain important information that might not appear in the Help. Read the notes in their entirety.

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

Visit [Customer Care](#) for further assistance.

What's New in SilkCentral Test Manager 2011

SilkCentral Test Manager 2011 (Test Manager) introduces significant enhancements and changes.

Interface Enhancements

The user interface (UI) of Test Manager now provides enhanced usability. The navigation tree and the workflow bar are replaced with a new menu, which bundles the capabilities of Test Manager into a comprehensive workflow. For additional information, see *Tour of the UI*.

The new document views for the functional areas of Test Manager provide enhanced customization features.

Custom Requirement Properties

In the **Requirements** area, the **Document View** now displays custom requirement properties as columns. The settings of the **Document View** are individually saved for each user and each project.

Timeline Tab


The new **Timeline** tab in the **Test Run Results** dialog box allows easy result and error analysis of test runs by combining the contents of an `output.xml` file, log entries and messages, and result files. The view is displayed in a chronological grid with optional filtering.

Test Export and Update from Excel

Test Manager has been enhanced to allow you to export existing Test Manager tests, edit them in Excel, and then update test from Excel.

Finishing a Manual Test with Status `Not Executed`

When you finish a manual test run, in both the UI or the Manual Testing Client, you have to define how assigned tests with the status `Not Executed` should be handled. You can now choose to leave the status as `Not Executed`, by selecting **Leave status 'Not Executed'** from the **Status** list box in the **Finish Run** dialog box.

 **Note:** You can re-run a test with status `Not Executed` later.

Integration Enhancements

Rally

You can now integrate the project management tool Rally with Test Manager. Define user stories in Rally, and use these user stories as requirements in Test Manager. Based on these requirements, you can create new tests in Test Manager. You can also synchronize the requirements from Rally, to update the tests you have created with possible changes to the corresponding user stories in Rally.

SilkPerformer

Test Manager no longer requires uploading a `LTZ` file from SilkPerformer into the file pool of Test Manager. You can upload a SilkPerformer project to Test Manager by clicking **Upload Project to Test Manager** in the SilkPerformer menu.

Apache Tomcat 7.0 Support


Test Manager now ships with Apache Tomcat 7.0.

Optimistic Locking Mode for Microsoft SQL Server

SilkCentral Test Manager now supports operating Microsoft SQL Server 2005 and Microsoft SQL Server 2008 in a more optimistic locking mode. When you enable this mode, read operations no longer wait for concurrent write operations to complete. Optimistic locking often improves the response times of the database and prevents deadlocks from occurring in read operations. For additional information, refer to the Microsoft SQL Server documentation.

In SilkCentral Test Manager 2011, the optimistic locking mode is enabled by default for new databases. For databases that were created with previous SilkCentral Test Manager versions, the database administrator can enable this mode by setting the database option `READ_COMMITTED_SNAPSHOT` with the following statement:

```
ALTER DATABASE {database name} SET READ_COMMITTED_SNAPSHOT ON;
```

 **Note:** During the execution of the previous statement, SilkCentral Test Manager must not be running, except for the execution servers, and no other client can be connected to the database. Additionally, the database option `ALLOW_SNAPSHOT_ISOLATION` must be enabled.

Performance Enhancements

The following performance enhancements have been made throughout Test Manager.

Enhanced Performance of Document Views

The document views now load and refresh faster.

Download as PDF

The new toolbar function **Download as PDF**, located in the toolbars of the **Document View** in the areas **Requirements** and **Execution Planning** areas, enables you to generate and download a PDF that includes all currently displayed nodes of the **Requirements** or **Execution Plans** tree.

Filtering Requirements

In the **Document View**, you can now apply a filter to any node of the **Requirements** tree to view only that node and all child nodes. When you apply a filter to the **Requirements** tree, the test totals are based on the filtered requirements only. You can access the new filter functionality from the context menu.

Filtering Execution Plans

You can now apply a filter to any node of the **Execution Plans** tree to view only that node and all child nodes. When you apply a filter to the **Execution Plans** tree, the execution plan totals are based on the filtered execution plans only. You can use the new filtering capability to obtain an execution-duration estimate of the filtered execution-plan subset. This enhancement enables you to use the **Document View** to organize your execution plans. You can access the new filter functionality from the context menu.

Printing Assigned Manual Tests for Execution Plans

For an execution plan in the **Details View** of the **Execution Plans** area, you can now print information about all manual tests that are assigned to the execution plan.

Announcement of Features to be Desupported in the Year 2011

SilkTest Test Plan Upload

In a future release of SilkTest and Test Manager, uploading plans from SilkTest to Test Manager will no longer be supported. With the introduction of the specific *SilkTest Test Plan* test type in SilkCentral Test Manager 2009, uploading plans from SilkTest to Test Manager is no longer required or recommended. The new test type results in less maintenance effort as the plan-file structure created in SilkTest is maintained dynamically with each execution of the SilkTest test plan file.

Tested and Supported Software

This section lists the software with which Test Manager 2011 has been tested as well as the software that Test Manager supports.

Application, frontend, execution, and chart server have been validated on 32 bit operating system configurations, unless specified otherwise. 64 bit configurations are also supported, but without a performance gain, because the services are based on a 32 bit JVM.

Operating System Support

- Windows XP Service Pack 3
- Windows XP 64 bit Service Pack 1 (execution server)
- Windows Server 2003 R2 Service Pack 2
- Windows Vista Ultimate 32 bit (execution server)
- Windows Server 2008
- Windows Server 2008 R2 Service Pack 1 64 bit
- Windows 7 32 bit/64 bit Service Pack 1 (execution server)

Linux Operating System Support

- Ubuntu 8.10

- Ubuntu 8 server
- Redhat Enterprise Linux 5
- Debian 4 Etch 4.1.2-23
- Suse Linux 9.1

Web Browser Support

- Internet Explorer 8.x
- Internet Explorer 9.x
- Firefox 3.x
- Firefox 4.x

Web Server Support

- IIS 6 32 bit/64 bit
- IIS 7 32 bit/64 bit
- Micro Focus standalone Web server (Tomcat)

Database Management System Support

- Microsoft SQL Server 2005 Service Pack 3
- Microsoft SQL Server 2005 Service Pack 2
- Microsoft SQL Server 2008 R2
- Oracle 10g (version 10.2.0.4)
- Oracle 11g (version 11.2.0.1)

Integrated Micro Focus Software Support

- CaliberRM 2008 SP1
- SilkPerformer 2008 R2
- SilkPerformer 2009
- SilkPerformer 2010
- SilkPerformer 2010 R2
- SilkTest 2008
- SilkTest 2008 R2
- SilkTest 2009
- SilkTest 2009 R2
- SilkTest 2010 R2
- StarTeam 2006
- StarTeam 2008
- Caliber DefineIT 2008
- CaliberRDM 2010
- TestPartner 6.3
- SilkTest Workbench 2010

Integrated Third-Party Software Support

- Bugzilla 3.2.5
- Bugzilla 3.4.7
- Bugzilla 3.6.1
- IBM Rational ClearQuest 2003.06.15.734.000
- IBM Rational Requisite Pro 7.0.0.0
- JUnit 4.4 or later
- SAP Solution Manager 7.1

- SnagIT 8.0
- SnagIT 8.1
- SnagIT 8.2.1
- Subversion 1.5.x
- Subversion 1.6.x
- VMware Lab Manager 3.0
- VMware vCenter Lab Manager 4.0
- VMware vCenter Lab Manager 4.0.3
- Telelogic Doors 8.0
- Telelogic Doors 8.2
- FitNesse 20070619
- FitNesse 20081201
- VersionOne Enterprise Edition
- Rally
- Compuware Quality Manager (Changepoint 2009 or Changepoint 2009 SP2)
- JIRA 3.13.5
- JIRA 4.0

Java Support

- Java Software Development Kit (SDK) 1.6 or later
- Java Runtime Environment (JRE) 1.6 or later
- Java Runtime Environment (JRE) 1.6 or later, 32 bit, for Manual Testing Client webstart.

System Requirements and Prerequisites

Server System Requirements

Application, frontend, execution, and chart server have been validated on 32 bit operating system configurations, unless specified otherwise. 64 bit configurations are also supported, but without a performance gain, because the services are based on a 32 bit JVM.

System Area	Requirement
CPU	Pentium IV or later, or an equivalent processor compatible to x86
Memory	2 GB minimum
Free disc space	10 GB minimum, except for the database server
Network	100 Mbit. The Manual Testing Client and the execution server can be connected through a low-bandwidth connection
Operating system for front-end, application, and chart server	<ul style="list-style-type: none"> • Windows XP Service Pack 2 or later • Windows XP 64 bit Service Pack 1 (execution server) • Windows Server 2003 R2 Service Pack 2 • Windows Server 2008 • Windows Server 2008 R2 Service Pack 1 64 bit
Operating system for execution server	<ul style="list-style-type: none"> • Windows XP Service Pack 2 or later • Windows XP 64 bit Service Pack 1 (execution server)

System Area	Requirement
	<ul style="list-style-type: none"> Windows Server 2003 R2 Service Pack 2 Windows Vista Ultimate Edition 32 bit Windows 7 32 bit Service Pack 1 Windows 7 64 bit Service Pack 1 Windows Server 2008 Windows Server 2008 R2 Service Pack 1 64 bit
Web server	<ul style="list-style-type: none"> Tomcat IIS Apache, as load balancer
Database management system	<ul style="list-style-type: none"> Microsoft SQL Server 2005 Service Pack 2 Microsoft SQL Server 2008 R2 Oracle 10g (version 10.2.0.4) Oracle 11g (version 11.2.0.1)
Power Supply	Uninterruptible power supply (UPS) for all environments to reduce risks of power outages



Note: To improve performance, we recommend to install the database system separately as a standalone system. Alternately, you can configure SQL Server to use only a fixed amount of memory and to minimize resource conflicts with other applications. To install Test Manager as an enterprise system, install the Test Manager servers on separate machines. These servers include the application server, Web server, chart server, execution server, and database system. This procedure is outlined in the *Custom Installation* section of the *SilkCentral Test Manager 2011 Installation Help*. You can also install any combination of these components on separate machines.

For more information on the optimal configuration of Test Manager contact technical support.

Execution Server Requirements

The actual requirements and prerequisites for execution servers depend on the application under test (AUT) and the type of testing.

For load testing, refer to the environment requirements of SilkPerformer. Running load tests with the minimal configuration can result in inaccurate results.

For functional testing, refer to the environment requirements of SilkTest. We recommend a minimum of 1024 MB main memory for intensive testing, such as Web browser replay.

Virtualization

Test Manager is tested to run on a virtual infrastructure environment, for example VMware ESX server. For optimal performance we recommend using physical hardware.

Client-Side System Requirements

System Area	Requirement
Processor	Pentium IV or later, or an equivalent processor compatible to x86
Memory	1 GB
Free disc space	1 GB

System Area	Requirement
Web browser	<ul style="list-style-type: none"> • Internet Explorer 8.x • Internet Explorer 9.x • Firefox 3.x • Firefox 4.x

Resolved Issues

The following issues have been resolved in SilkCentral Test Manager 2011:

Issue #	Description	Fix Applied	Notes
577862	The Current Executions grid in the Activities page always shows <code>unknown</code> in the Time Left column of a manual test even if the test has an estimated time.	2010 R2	Fixed.

Known Issues

This section identifies known issues in Test Manager.

Additional known issues with Test Manager and their resolutions are documented in the Micro Focus Knowledge Base, located in <http://kb.microfocus.com/>.