SilkCentral Test Manager 12.0

Release Notes

Contents

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Version 12.0

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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 12.0

SilkCentral Test Manager 12.0 (Test Manager) introduces significant enhancements and changes.

Manual Execution Planning

The new manual execution planning approach assists you in selecting, distributing, and executing those manual tests that result in best achieving your quality goals under given time and resource constraints. Time and resources are managed together in the context of testing cycles. A *testing cycle* represents a period of time that has a set of manual testers and a set of tests assigned to it. Each manual tester in the testing cycle has a capacity, which is the amount of testing time that the tester has available for the testing cycle.

For test managers, the new **Manual Execution Planning** page provides the ability to efficiently plan the overall testing progress. The new page provides an answer to the often critical question "Are we able to finish our manual testing in time?", by providing answers to the following sub-questions:

- What manual tests are executed?
- When are those manual tests executed?
- Who executes those manual tests?
- Where are those manual tests executed?
- How far is the testing progress in the current testing cycle?

For manual testers, the new **Manual Execution Planning** page provides assistance in effectively prioritizing their work, displaying exactly which tests have to be done in a specific period of time.

The new manual execution planning approach interacts tightly with the new dashboard.

My Dashboard

The new dashboard in Test Manager is your personal starting area. You can customize it by adding and arranging various panels, which give you the information you need for your daily work.

You can add the following panels to the dashboard:

Panel	Description
Custom Information	This panel shows custom information for a project. Users can add news, descriptions or any other kind of relevant content to the panel.

Panel	Description
Introduction	This panel gives you a quick introduction to Test Manager.
Issue Life Cycle	This panel shows the issues for a defined issue tracking profile and their status (open, fixed, verified, closed, deferred).
Issues Created per Tester	This panel shows the number of issues created by testers as a bar graph.
Manual Tests Assigned to Me	This panel shows all tests from a certain project that are assigned to you for execution. It enables you to quickly continue working on your tests and to get detailed information on all of your tests.
Quality Goal Progress	This panel shows the number of tests that must be executed to meet the quality goal in relation to the number of actual executed tests. The executed tests are divided into passed, failed, not executed, and N/A (not available).
Requirements Coverage Status	This panel shows the coverage of the requirements of the selected project broken down into passed, failed, not executed and not covered.
Testing Cycle Progress	This panel shows a progress chart of passed, failed, in progress, and not yet executed tests for the defined testing cycle.
Testing Cycle Result Summary	This panel shows the status of the selected testing cycle and the progress status of the individual testers that are assigned to the testing cycle.
Testing Progress Across Testing Cycles	This panel shows the time in hours for the planned, in progress and completed tests. It helps a test manager to predict if the testing team will be able to finish the tests in time.
Volatile Tests	This panel shows how often tests changed their status within a defined time period. It helps identifying unstable tests.

System Diagnostics

The new *System Diagnostics* feature in **Help** > **About** enables you to quickly review and download relevant system settings and logs.

Calculated Property

A calculated property is used to create a single value based on a user-defined formula derived from the values of internal or custom properties. This value is then put into a labelled range called a *classification*. An example for a calculated property would be a *Risk* that is calculated based on two other properties like *Priority * Impact*. The result of this calculation for each requirement is mapped into classifications like *Low*, *Medium*, *High*. These classifications are then visible and usable in different locations throughout SilkCentral Test Manager.

Video Capturing in Web UI for Manual Testing

Manual testers using the Web UI for manual test execution can now capture execution videos. Such videos are then available as result files.

Assigning Issues to Manual Test Steps

This new feature allows you to assign issues directly to manual test steps. The created issues will contain the information about the steps they were created for as a link. Clicking this link takes the user directly to the step in SilkCentral Test Manager

Delete Permissions

Delete permissions for nearly all assets in SilkCentral Test Manager have been separated from the previous Manage permissions. Please review your custom roles to avoid problems.

Removing Data-Driven Properties

When you have data-driven tests in use, and you have data-driven properties assigned to specific tests in the **Tests** tree, you can now remove the properties when you no longer need them. In previous versions of SilkCentral Test Manager, you were able to deactivate the data-driven properties, but not completely remove them.

Email Hyperlink

Each topic in the online help now includes the following hyperlink at the bottom of it: *Send feedback about this topic.*

Click the link to open your Web browser and submit feedback about that page of the help.

Usability Enhancements

This section lists the usability enhancements that have been made throughout Test Manager.

Copying Filters

You can now re-use existing filters to create new filters. The new functionality is available in the toolbar of the **Requirements**, **Tests**, or **Execution Planning** area. To create a new filter out of an existing one, copy the existing filter, edit the properties of the filter, and then save the edited filter as a new filter with a different name.

Comment Execution Plan Runs

You can now add comments to execution plan runs in the **Execution Plan Runs** page. To edit an existing comment, right-click the execution plan run and select **Edit Run Comment**.

Deleting Result Files

You can now delete result files in the **Test Details** area of the **Current Run** page of a manual test.

Integration Enhancements

This section lists the enhancements that have been made to the integrations in Test Manager.

IBM Rational DOORS Version 9.3

Test Manager now supports IBM Rational DOORS Version 9.3.

Oracle 10g (version 10.2.0.5)

Test Manager now supports Oracle 10g (version 10.2.0.5).

Oracle 11g (version 11.2.0.2)

Test Manager now supports Oracle 11g (version 11.2.0.2).

VMware vCenter Lab Manager 4.0.4

Test Manager now supports VMware vCenter Lab Manager 4.0.4.

Changepoint 2010 SP1

Test Manager now supports Compuware Quality Manager with Changepoint 2010 SP1.

Bugzilla 4.0

Test Manager now supports Bugzilla 4.0.

Microsoft Office Word 2007 .docx Import

Test Manager now supports the Microsoft Office Word 2007 .docx file format.

The functionality for `.docx` is the same as for `.doc` with the following improvements:

- Images and any other embedded objects (OLE) (for example: PDF, Excel) are detected and imported as an attachment to a requirement.
- Descriptions may contain hyperlinks.

MSTest

Test Manager now supports MSTest distributed with Visual Studio 2010/Test Agent 2010.

Web Service Enhancements

This section lists the enhancements that have been made to the Test Manager Web services.

Copy Project API

You can now copy projects using the Web service API. You can specify the same settings that you can specify in the user interface.

Features that are No Longer Supported

This topic lists the features that are no longer supported in Test Manager 12.0.

SilkTest Test Plan Upload

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.

Announcement of Features that will No Longer be Supported in Future Releases

This section lists the features that will no longer be supported in a future release of Test Manager.

Upload Manager

In a future release, uploading files with Upload Manager will no longer be supported.

Data-Driven Option

In a future release, the ability to execute a test with different input data will be simplified. The different data rows will no longer be visible in the **Tests** area but in the results only. Re-running single failed data rows will be possible.

Linked Test Containers

In a future release, linked test containers will be removed. Their main purpose in Test Manager was to support the import of SilkTest Classic plan files, but this is much better supported with the SilkTest Classic Plan File test type which is based on the test package feature that reduces maintenance efforts by updating your test structure in Test Manager with each execution.

Mixed Execution Plans

In a future release, mixing automated and manual tests in one execution plan will no longer be supported in automated execution plans. More sophisticated manual and automated test combinations will still be achievable with dependencies.

Manual Testing Client

In a future release, the Manual Testing Client and the web solution will be consolidated into one solution, for making manual testing as efficient and easy as possible.

Internal Issue Profiles

In a future release, the internal issue tracking capability of Test Manager will be replaced by SilkCentral Issue Manager, which is already supported by Test Manager.

Old Requirement Web Service

In a future release, the Old Requirement Web Service will no longer be supported. The Requirements Web Service has the same range of functionality and is maintained on a regular basis.

Tested and Supported Software

This section lists the software with which Test Manager 12.0 has been tested as well as the software that Test Manager supports.

Application, front-end, 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

Test Manager supports Linux operating systems only for the execution server.

- Ubuntu

- Redhat Enterprise Linux
- Debian
- Suse Linux

Web Browser Support

- Internet Explorer 8
- Internet Explorer 9
- Mozilla Firefox
- Google Chrome

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 10.2.0.5)
- Oracle 11g (version 11.2.0.2)

Integrated Micro Focus Software Support

- CaliberRM 2008 SP1
- CaliberRM 10.1 (patch required)
- Caliber DefineIT 2008
- CaliberRDM 2010 SP2
- CaliberRDM 10.1
- SilkPerformer 2011
- SilkPerformer 9
- SilkTest 2010 R2
- SilkTest 2011
- TestPartner 6.3
- StarTeam 2009 R2
- StarTeam 12.0

Integrated Third-Party Software Support

- Bugzilla 3.6.1
- Bugzilla 4.0
- 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 8.1
- SnagIT 8.2.1
- Subversion 1.5.x
- Subversion 1.6.x
- VMware vCenter Lab Manager 4.0.3

- VMware vCenter Lab Manager 4.0.4
- Telelogic Doors 8.0
- Telelogic Doors 8.2
- IBM Rational DOORS Version 9.3
- FitNesse 20070619
- FitNesse 20081201
- VersionOne Enterprise Edition
- Rally
- Compuware Quality Manager (Changepoint 2010 SP1, Changepoint 2009 or Changepoint 2009 SP2)
- JIRA 4.4
- Microsoft Office Excel (.xlsx) for importing tests
- Microsoft Office Word (.doc, .docx) for importing requirements

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, front-end, 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	• Windows XP Service Pack 2 or later • Windows Server 2003 R2 Service Pack 2 • Windows Server 2008 • Windows Server 2008 R2 Service Pack 1 64 bit
Operating system for execution server	• Windows XP Service Pack 2 or later • Windows XP 64 bit Service Pack 1 (execution server) • 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	• Tomcat

System Area	Requirement
	• IIS • Apache, as load balancer
Database management system	• Microsoft SQL Server 2005 Service Pack 2 • Microsoft SQL Server 2008 R2 • Oracle 10g (version 10.2.0.5) • Oracle 11g (version 11.2.0.2)
Power Supply	Uninterruptible power supply (UPS) for all environments to reduce risks of power outages

Note: To install Test Manager as an enterprise system, install the Test Manager servers on separate machines. These servers include the application server, front-end server, chart server, execution server, and database system. This procedure is outlined in the *Custom Installation* section of the *SilkCentral Test Manager 12.0 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
Web browser	• Windows Internet Explorer 8 • Windows Internet Explorer 9 • Mozilla Firefox • Google Chrome