

Borland®

Silk Central 16.5

Release Notes

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Silk Central 16.5 Release Notes

Version 16.5

September, 2015

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 [Silk Central Installation Help](#).

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

What's New in Silk Central 16.5

Silk Central 16.5 introduces significant enhancements and changes.

Support for Microsoft Windows 10 and the new Internet Browser Edge

With Silk Central 16.5, you can execute your manual and automated tests on Microsoft Windows 10 and you can use Microsoft Edge to work with Silk Central.

Leverage your test set by simply executing all your existing functional, regression, and localization tests on Microsoft Windows 10, or by creating new tests to test specific functionality that has been introduced with Microsoft Windows 10.

Limitation: Microsoft Edge and Google Chrome do not support NPAPI, so video recording, image capturing and code coverage recording in the manual testing window is not possible. For information on this limitation and possible workarounds, please contact SupportLine.

Keyword-Driven Testing Enhancements

Opening Keywords, Keyword Sequences, and Keyword-Driven Tests Directly in your Silk Test Client

The **Keywords** tab in your selected library now offers the option to directly access a keyword within your Silk Test client. Simply click  to implement a draft keyword, or  to edit an implemented keyword. Additionally, the new button **Open in Silk Test** allows you to directly access the whole selected test or keyword sequence within your Silk Test client.

Uploading a Keyword Library from the Command Line

You can now upload an external keyword library from a Java-based command line. This enables you to integrate Silk Central and your keyword-driven tests into your continuous integration build system, for example Jenkins.

Recommended Keywords

When you add keywords to a keyword-driven test or a keyword sequence in the **Keyword-Driven Test Editor**, Silk Central recommends existing keywords which you might want to use as the next keyword in your test. The recommended keywords are listed on top of the keywords list, and are indicated by a bar graph, with the filled-out portion of the graph corresponding to how much Silk Central recommends the keyword.

Viewing all References to a Keyword at a Glance

To view all tests and keyword sequences that reference a specific keyword or keyword sequence, select the appropriate entry in the keyword list and the **Referenced By** list will display all referencing keyword-driven tests and keyword sequences. Simply click the name to jump to the respective reference.

Replacing References to a Keyword

To replace references to the selected keyword or keyword sequence with another one, select the appropriate entry in the keyword list and use the **Referenced By** list to select the objects in which you want to replace the reference.

Converting a Keyword Sequence to a Draft Keyword

If you accidentally created a keyword sequence, you may want to convert it back to a draft keyword. Click  (**Convert to draft keyword**) in the **Actions** column of the keyword sequence that you want to convert.



Note: Converting a keyword sequence to a draft will delete the sequence and all contained keywords. This action cannot be undone.

Finding Draft Keywords in the Library

If you want to switch to the library that contains the draft keywords of your selected test or keyword sequence, click **Draft keywords** in the top right of the editor page.

Usability Enhancements

The keywords that are contained in a keyword sequence can now be easily viewed by clicking on a keyword sequence () in the **All Keywords** pane, or by hovering your mouse over the **Open Keyword** icon.

Manual Testing Enhancements

Lists the usability enhancements that have been made in the manual testing area.

Filtering Manual Tests by Container/Folder for Test Assignment

The **Filter Criteria** area on the **Manual Execution Planning** page now also displays the container/folder test hierarchy.

Select a container or folder to display only the child tests of the selected node in the **Matching Tests** area.

User-Specific Settings in the Manual Execution Planning Unit

The **Manual Execution Planning** page now remembers all your personal settings after you leave the page. When you return to the **Manual Execution Planning** page later, settings like your previously selected filters, container or folder, testing cycle, etc. will display exactly as you left off the last time.

More Information in Manual Test Dashboard Panels

The dashboard panels **Manual Tests Assigned to Me** and **Status of Currently Running Manual Tests** now contain a column that displays the path (folder) structure in which tests are contained, as well as a column for each defined attribute. This allows you to use the sorting and filtering capabilities to display only the tests that you are interested in.

Improved Configuration Assignment

The **Specify Configurations** dialog box has been completely renewed to make configuration assignment as easy and efficient as ever.

Improved Manual Test Results View

The **Manual Test Results** view is now more clearly structured and contains more information, like for example the testing cycle description, start and end dates, durations, and more. This is especially useful if

you send out manual test results as PDF, allowing readers to know all the important information at a glance, without the need to look up the details within Silk Central.

Including Attributes and Attachments When Downloading Tests for Offline Execution

When downloading manual tests for offline execution, you can now include test attributes and attachments. All attributes are included in the downloaded Excel sheet, enabling you to filter your tests by each attribute.

Specifying the Product's Version and Build for Testing Cycles

When starting a testing cycle, you can now specify the product's version and build that you want to test. After a testing cycle has been started, manual testers can update the version and build information if required.

Specifying a High-Level Run Comment

You can now enter a high-level comment for a test run in the **Manual Testing** window and in downloaded manual tests for offline execution. This helps to speed up the test execution review process, as the comment is displayed in the test run grids.

Retention of Line Breaks When Importing Tests from Excel Files

When importing tests from Excel files that include cells with multiple lines, these line breaks are now retained in Silk Central.

User Interface Improvements

Efficiently Structured Information of Test, Container and Test Folder Properties

The **Properties** page of a selected test, container, or folder now displays only the most important information. You have the option of expanding and collapsing the information in each section on this page. This enables you to customize the information you see to your specific needs. Additionally, the information about attributes, parameters, attachments, and data sets has been incorporated into this page, eliminating the need to navigate through several tabs to access the information you need.

Efficiently Structured Information of Execution Folder, Execution Plan, Testing Cycle, and Configuration Suite Properties

The **Properties** page of a selected execution folder, execution plan, testing cycle, or configuration suite now displays only the most important information. You have the option of expanding and collapsing the information in each section on this page. This enables you to customize the information you see to your specific needs. Additionally, the information about parameters and setup/cleanup tests has been incorporated into this page, eliminating the need to navigate through several tabs to access the information you need.

Silk Performer Performance Trends Dashboard Panel

The **Silk Performer Performance Trends** panel displays the current status of the selected Silk Performer load test and its available results, including trend information over the last runs.

LDAP Improvements Including Automatic User Account Creation

The LDAP integration in Silk Central has been improved, including the option to automatically create Silk Central user accounts.

Automatic User Account Creation

You can let Silk Central automatically create a Silk Central user account when a user logs in to Silk Central for the first time. If the user account with the entered login name does not exist in Silk Central, the entered credentials are authenticated against the LDAP server. If this succeeds, a new account with the supplied login name and password is created in Silk Central.

Newly created accounts initially copy the general settings from the selected Silk Central user, which acts as a template. First name, last name and email address are queried from the LDAP values.

LDAP Server Priority

You can now specify an **Order** number on the **LDAP Servers** page to prioritize the order in which the LDAP servers are queried for authentication.

Automatically Deleting Results and Result Files

The amount of collected results and result files increases over time as you run your execution plans. After a while, some results may not be relevant anymore, and managing your results is easier if only the important information is retained. In Silk Central you can define rules for the automatic cleanup of results and result files that you no longer require.

To be able to also manage the cleanup of results of unassigned tests, unassigned tests are now listed in the execution planning unit and in the manual test results. They are now also linked on the **Tests > Runs** page and in the manual testing dashboard panels. To define cleanup rules specifically for unassigned tests, select the **Unassigned Tests** node in the **Execution Plans** tree. Unassigned tests include items such as uploaded Silk Performer tests and try runs.

Exporting and Updating Shared Steps Objects

You can now export all shared steps objects in a library, edit them in Excel, and then update them back into Silk Central.

This is especially useful if you need to perform bulk edits.

Integration Enhancements

This section lists the enhancements that have been made to the integrations in Silk Central.

AccuRev Source Control Profile Integration

Silk Central now supports AccuRev with a new source control profile plugin.

Bugzilla 4.4.9 and 5.0 Support

Silk Central 16.5 now supports Bugzilla 4.4.9 and 5.0.

Git 2.5.0 Support

Silk Central 16.5 now supports Git 2.5.0.

JIRA Integration Enhancements

The JIRA field type `Select list (multiple choices)` is now rendered as a multiple-choice list in Silk Central. Additionally, when adding a JIRA issue in Silk Central, only the required fields of the selected JIRA issue type are displayed.

Team Foundation Server 2015 Support

Silk Central 16.5 now supports Team Foundation Server 2015.

Usability Enhancements

This section lists the usability enhancements that have been made throughout Silk Central.

Versioning Automated Tests

Additionally to versioning shared objects (steps and keywords), manual tests, and keyword-driven tests, you can now also create versions for the manual part of automated tests.

Printing and Downloading Test Details as PDF

The previously available feature to print or download manual test details as PDF has been extended to support all test types. Additionally you can now also right-click a folder in the **Tests** tree and select **Print Test Details** to print or download the test details of all contained tests.

Downloading Files from Requirements and Tests

You can now download all attached files from a requirement or a test container, folder, test, or test step with a single click.

Data-Driven Testing Enhancements

Lists the usability enhancements that have been made in the data-driven testing area.

Passing Parent Test Information as Pre-Defined Parameter

For data-driven tests, the name and the identifier of a parent test can now be passed as a pre-defined parameter.

Managing Data Sources Efficiently

If you work with a large amount of data source files, managing your data sources is now much easier than before: The **Data Sources** page now includes a column for the **File Name** and the **Source Control Profile** that hosts the data file, allowing you to sort and filter your data sources by this information.

Re-Running Tests with Status Not Executed

You can now select to re-run all tests of an execution plan that have the status `Not Executed`.

API for Automating Manual Tests

A new method `automateTest` has been added to the Web Service `IPlanningService`, which allows you to automate the process of converting manual tests to automated tests.

Refer to the [Javadoc](#) for full details regarding available Java classes and methods. If the link does not work, click **Help** > **Documentation** > **Silk Central API Specification** in the Silk Central menu to open the Javadoc.

Returning the Product's Component in the Subject of an Issue Notification

A new parameter has been added to the system-wide triggers, so that you can display the product's component in the subject of an issue notification message.

Technology Updates

Apache Tomcat 8 Support

Silk Central now ships with Apache Tomcat 8.

Microsoft SQL Server 2014 SP1 Support

Silk Central 16.5 now supports Microsoft SQL Server 2014 SP1.

System Requirements and Prerequisites

For optimal performance of Silk Central, we recommend the configuration outlined in this section.

Server System Requirements

System Area	Requirement
CPU	Intel Core i5 or better
Memory	6 GB minimum
Free disc space	30 GB minimum, except for the database server
Network	100 Mbit
Operating system, database management system, Web server	See Tested and Supported Software .
Power Supply	Uninterruptible power supply (UPS) for all environments to reduce risks of power outages



Note: To install Silk Central as an enterprise system, install the Silk Central 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 *Silk Central 16.5 Installation Help*. You can also install any combination of these components on separate machines.

For more information on the optimal configuration of Silk Central contact technical support or your technical account team.

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 Silk Performer. Running load tests with the minimal configuration can result in inaccurate results.

For functional testing, refer to the environment requirements of Silk Test. We recommend a minimum of 2048 MB main memory for intensive testing, such as Web browser replay.

The Linux execution server requires Java Runtime Environment (JRE) 8.

Virtualization

Silk Central is tested to run on the virtual infrastructure environment VMware vSphere server.

Client-Side System Requirements

System Area	Requirement
Processor	Intel Core i3 or better
Memory	2 GB
Web browser	<ul style="list-style-type: none">Google ChromeInternet Explorer 10 or later (no compatibility mode)

System Area	Requirement
	<ul style="list-style-type: none">• Mozilla Firefox• Microsoft Edge <p>Limitation: Microsoft Edge and Google Chrome do not support NPAPI, so video recording, image capturing and code coverage recording in the manual testing window is not possible. For information on this limitation and possible workarounds, please contact SupportLine.</p>

The manual testing UI requires Java Runtime Environment (JRE) 7 Update 51 or later.

Contacting Micro Focus

Micro Focus is committed to providing world-class technical support and consulting services. Micro Focus provides worldwide support, delivering timely, reliable service to ensure every customer's business success.

All customers who are under a maintenance and support contract, as well as prospective customers who are evaluating products, are eligible for customer support. Our highly trained staff respond to your requests as quickly and professionally as possible.

Visit <http://supportline.microfocus.com/assistedservices.asp> to communicate directly with Micro Focus SupportLine to resolve your issues, or email supportline@microfocus.com.

Visit Micro Focus SupportLine at <http://supportline.microfocus.com> for up-to-date support news and access to other support information. First time users may be required to register to the site.

Information Needed by Micro Focus SupportLine

When contacting Micro Focus SupportLine, please include the following information if possible. The more information you can give, the better Micro Focus SupportLine can help you.

- The name and version number of all products that you think might be causing an issue.
- Your computer make and model.
- System information such as operating system name and version, processors, and memory details.
- Any detailed description of the issue, including steps to reproduce the issue.
- Exact wording of any error messages involved.
- Your serial number.

To find out these numbers, look in the subject line and body of your Electronic Product Delivery Notice email that you received from Micro Focus.

Tested and Supported Software

This section lists the software with which Silk Central 16.5 has been tested as well as the software that Silk Central supports.

Operating System Support

- Microsoft Windows Server 2008 R2 Service Pack 1 64-bit
- Microsoft Windows Server 2012
- Microsoft Windows Server 2012 R2
- Microsoft Windows 7 32-bit/64-bit Service Pack 1 (execution server)
- Microsoft Windows 8 32-bit/64-bit (execution server)
- Microsoft Windows 8.1 32-bit/64-bit (execution server)
- Microsoft Windows 10 (execution server)

Linux Operating System Support

Silk Central supports Linux operating systems only for the execution server.

- Debian
- Redhat Enterprise Linux
- Suse Linux
- Ubuntu

Web Browser Support

- Google Chrome
- Internet Explorer 10 or later (no compatibility mode)
- Mozilla Firefox
- Microsoft Edge

Limitation: Microsoft Edge and Google Chrome do not support NPAPI, so video recording, image capturing and code coverage recording in the manual testing window is not possible. For information on this limitation and possible workarounds, please contact SupportLine.

Web Server Support

- IIS 7 32 bit/64 bit
- IIS 8 32 bit/64 bit

Database Management System Support

- Microsoft SQL Server 2008 R2 Service Pack 3
- Microsoft SQL Server 2012 Service Pack 2
- Microsoft SQL Server 2014 Service Pack 1
- Oracle 11g (version 11.2.0.4)
- Oracle 12c (version 12.1.0.2)

Integrated Micro Focus Software Support

- AccuRev 6.2
- CaliberRM 10.1, 10.2

- Caliber 11.3, 11.4
- Silk Performer 16.0, 16.5
- Silk Test 16.5
- StarTeam 14.3, 14.4
- Silk TestPartner 6.3

Integrated Third-Party Software Support

- Apache Commons Virtual File System (VFS)
- Atlassian JIRA 5, 6
- Atlassian JIRA Agile 6
- Bugzilla 4.4.9, 5.0
- Compuware Quality Manager (Changepoint 2010 SP1, Changepoint 2009 or Changepoint 2009 SP2)
- Git 2.5.0
- IBM Rational ClearQuest 8.0
- IBM Rational DOORS 9.5, 9.6
- IBM Rational RequisitePro 7.1.3, 7.1.4
- JUnit 4.11 or later
- Microsoft Office Excel (.xlsx) for importing tests and requirements
- Microsoft Office Word (.doc, .docx) for importing requirements
- Microsoft Visual Studio/Visual Studio Test Agent 2010, 2012, 2013
- Rally
- SAP Solution Manager 7.1
- Serena Version Manager (PVCS) 8.1.4 (Version Manager 8.1.4)
- Subversion 1.8.5
- Team Foundation Server 2010, 2012, 2013, 2015
- VersionOne Enterprise Edition
- VMware vCloud Director 5.5

End of Support

This topic lists the features that are no longer supported in Silk Central 16.5.

Microsoft Windows XP, Microsoft Windows Vista, Microsoft Windows Server 2003/2003 R2 and IIS 6

Microsoft Windows XP, Microsoft Windows Vista, Microsoft Windows Server 2003/2003 R2 and IIS 6 are no longer supported with Silk Central 16.5.

Oracle 10g

Oracle 10g is no longer supported with Silk Central 16.5.

RequirementsDocumentsService Web Service

The `RequirementsDocumentsService` Web Service (`/services/tmrequirementsdocuments`) is no longer supported with Silk Central 16.5. Use the `Requirements` Web Service instead, which is maintained on a regular basis.

Planned End of Support

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

Compuware Quality Manager (Changepoint)

In a future release, support for Compuware Quality Manager (Changepoint) will be discontinued.

Serena Version Manager (PVCS)

In a future release, support for Serena Version Manager (PVCS) will be discontinued.

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 Silk Central was to support the import of Silk Test Classic plan files, but this is much better supported with the Silk Test Classic Plan File test type which is based on the test package feature that reduces maintenance efforts by updating your test structure in Silk Central 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.