



Silk Central 19.5

Release Notes

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Contents

Silk Central 19.5 Release Notes	4
What's New in Silk Central 19.5	5
Administration	5
Requirements	5
Tests	5
Execution Planning	6
Activities	6
Issue Manager	6
API Enhancements	7
Integrations	7
AdoptOpenJDK	7
Help	8
System Requirements and Prerequisites	9
Resolved Issues and Customer-Driven Enhancements	11
Contacting Micro Focus	13
Information Needed by Micro Focus SupportLine	13
Tested and Supported Software	14
Planned End of Support	16

Silk Central 19.5 Release Notes

Version 19.5

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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 [Silk Central Installation Help](#).

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

What's New in Silk Central 19.5

Silk Central 19.5 introduces significant enhancements and changes.

Administration

Self-registering execution servers

Silk Central now enables the registration, which means the creation and the assignment to a location and therefore to a project, of new execution servers through command line with the new *Execution Server Launcher*. This new feature provides you with the flexibility to start up your execution resources when you need them, without any manual overhead. Additionally, the Execution Server Launcher keeps the execution server on the most current version and will attempt to re-start the execution server in case of an unintended termination.

User management - Links between users and groups

You can now navigate easier between users and group pages, as the group names on the **Users** page now link to the corresponding groups and the user names in the **Groups** page now link to the corresponding user.

New Permissions

Silk Central 19.5 provides the following new user permissions:

Change Status	Specifies whether the user is allowed to change the test status.
Import/Update Tests from Excel	Specifies whether the user is allowed to import tests from Excel, or to update tests that were imported from Excel.

Requirements

Assigned tests - path information

You can now see the full path for tests on the **Assigned Tests** tab of a requirement.

Tests

Business process testing

Silk Central 19.5 introduces business process testing (BPT) with the intention to help customers address the challenges of validating end-to-end business transactions. BPT is an extension to the existing manual testing capabilities of Silk Central, introducing three new BPT-focused asset types, which are business component, flow, and business process test, to reduce complexity and to drive BPT-specific functionality.

Alternative property for shared test assets and requirement assignment

When sharing tests between projects, you can now re-create the test requirement assignment when the requirements have been imported from Excel.

Execution Planning

Manual execution planning - Multi-selection for filtering matching tests by test containers and/or test folders

For eased assignment, you can now select multiple test containers and/or test folders for filtering the matching tests.

Manual execution planning - Show TestId in Test Assignment grid

To identify tests more easily and more clearly, you can now display the TestId in the **Test Assignment** grid in the **Manual Execution Planning** window.

Manual execution planning - Email notification on reassignment

Testers are now informed when new tests in an already running testing cycle are assigned to them.

Manual test results - Hide closed and resolved issues

To ease finding and accessing important information in the **Manual Test Results** view, you can now hide closed and resolved issues.

Result cleanup rules - Manual triggering

You can now trigger the execution of your result cleanup rules manually through the **Delete Runs or Result Files...** context-menu entry. In previous versions of Silk Central, result cleanup rules were only triggered when new results were created.

Result cleanup rules - Extended Delete After setting

You can now configure to delete results after 18 or 24 months.

Result file size limit for results of automated tests

You can now prevent that too large result files are being uploaded to Silk Central when executing automated tests.

Activities

Cross-Project Activities - Project name

The grids in the **Cross-Project Activities** page now additionally contain the names of the projects in addition to the IDs.

Issue Manager

Full change history

The change history for issues in Issue Manager now contains changes for any fields that are involved in the issue tracking workflow.

Add attachments and notifications when creating new issues

You can now add attachments and notifications when creating a new issue.

API Enhancements

Running failed and not executed execution plans

Similar to the UI, you can now re-run execution plans with the options With status Failed and With status Not Executed through the SOAP and REST APIs.

Integrations

DOORS - Filtering which requirements to synchronize

Instead of synchronizing all requirements from DOORS, Silk Central now supports synchronizing only the requirements that are returned by a filter that has been specified and activated for a view in DOORS.

JIRA - Support for the custom field Epic Status

JIRA integration in Silk Central now supports the **Epic Status** custom field.

StarTeam - Create Issues with different type than ChangeRequest

For heavily customized workflows, you can now create issues in StarTeam with an existing type that is different to the default *ChangeRequest* type.

Silk Test - New HTML results

You can now view the results of Silk Test test executions in the new HTML Results format that is provided by Silk Test.

Quality Center migration

Silk Central now allows the migration of requirements, tests, test sets, and issues from Quality Center into Silk Central. For certain assets, their assignments to other assets, custom properties, history, and attachments are migrated as well. For details, please contact your Account Management.

AdoptOpenJDK

Silk Central 19.5 now internally uses the libraries of the AdoptOpenJDK instead of the Oracle JRE. This change affects all servers, which means the application server, the front-end servers, the chart server, and the execution server, as well as the communication and interaction between all servers.

There is no dependency between any installed JRE and the internally used JRE libraries, except if you require an execution server to run in 32bit mode. To start the execution server in this case, you need to use the **Execution Server Launcher** or the **Execution Server Package** and your own installed 32bit JRE. By default, execution servers are running in 64bit mode.

For the front-end server, the chart server, and the application server, the following rules apply with Silk Central 19.5 or later:

- New instances of these servers are always 64bit.
- The default instance (silk) that is created with a new installation of Silk Central is always 64bit.

- As long as an existing 32bit instance is not upgraded, it remains a 32bit instance.
- Applying a hotfix to an existing 32bit instance does not change the bitness to 64bit. The instance remains a 32bit instance.
- Upgrading an existing 32bit instance to Silk Central 19.5 or later automatically converts it to a 64bit instance.

The following rules apply for the execution of Silk Performer 19.5 or later with Silk Central 19.5 or later:

- Silk Performer 19.5 or later includes a separate JRE for the Silk Performer execution.
- To execute Silk Performer by using a different JRE than the one that is shipped with Silk Performer, add the path to the JRE as a *JREPath* tag to the `SccltcVersionsConf.xml` file. For example:

```
<JREPath>C:\Program Files (x86)\Java\MyJre8.0</JREPath>
```



Note: The JRE specified in the *JREPath* tag must be a 32bit JRE.

- The full path of the *JREPath* tag in the `SccltcVersionsConf.xml` file is `CoreVersions > Entry > JREPath`.
- When using the **Execution Server Launcher** for Silk Performer execution, Silk Performer 19.5 must be installed in the default directory `C:\Program Files (x86)\Silk\Silk Performer 19.5`. Changes to the `SccltcVersionsConf.xml` file are overwritten by the **Execution Server Launcher** on each execution server restart.

Help

New help format

Both the local and the online help for Silk Central are now delivered in a new format to enable faster searching and enhanced usability.

Enhanced Tools page

The **Help > Tools** page in Silk Central has been restructured and now includes descriptions that inform you about the purpose of the downloadable items.

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	8 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

For each additional instance that you add, at least 10 GB of additional disk space are required, and the following initial minimal memory:

- Front-end server: 500 MB
- Application server: 300 MB
- Chart server: 200 MB

Depending on your workload, these values may need to be higher.

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.

Proxy Server Requirements

If you plan to use Microsoft IIS for Silk Central, install the following IIS extensions before you install Silk Central:

- Application Request Routing (ARR)
- URL Rewrite

You can download the latest versions of these extensions on the [IIS Downloads](#) page.

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 Chrome• Internet Explorer 11 or later (no compatibility mode)• Mozilla Firefox• Microsoft Edge

The manual testing UI requires Java Runtime Environment (JRE) 7 Update 79 or later. For manual testing with Internet Explorer 11, a 32bit version of Java is required to be installed on the client.

Resolved Issues and Customer-Driven Enhancements

The following issues have been resolved in Silk Central 19.5:

SI #	RPI #	Description
2840944	1102051	Result file size limit for automated test executions.
2858798	1104500	Epic Status field type support in JIRA.
2875588	1106691	Display the full name of the current project on the Silk Central web pages.
3101734	1109074	Ability or access right to prevent a user from having the ability to import test cases through Excel.
3105361	1109353	TEST ID column in Test Assignment grid.
3114445	629485	User Management - Provide links from the Groups page to the users by clicking on the username.
3116506	1110428	Multi-select and keyboard actions in Folder tree of Manual Execution Planning .
3118832	630129	Ability to add the project name instead of just the project ID to the tracking page.
3125418	1111275	Increase timespan options for result cleanup.
3135657	1112401	Unable to execute not executed tests using web service API.
3142835	1112926	The status of finished execution runs can be changed manually.
3151195	1113671	Error with result cleaning-up rules.
3153885	1113912	Configure closed or resolved tickets from the <i>Manual Test Results</i> report.
3155482	1114030	Incomplete history notes in Issue Manager.
3157349	1114187	Requirement path information in the Assigned Tests tab of requirements.
3157382	1114172	Allow attachments to be included while creating a new issue without saving it.
3160229	1114462	Provide option to start not executed and failed tests without taking sincebuild number into account.
3161253	1114554	Report on requirement properties: ORA-22835 - Buffer too small for CLOB to CHAR or BLOB to RAW.
3161271	1114977	Runs duplicated in tracking window.
3161362	1114568	Project owners sorted by login instead of username.
3162234	1114608	Clearquest 8.0.17 integration with Silk Central.
3162827	1114632	BIRT report corrupted.
3165649	1114900	Fixed <code>ThreadConnectionLimitException</code> on viewing or creating an issue.
3168584	1115079	Error while creating bug when using Silk Central - JIRA integrations.
3168869	1115136	Changes to the Issue Manager description are lost when attaching a file.
3171244	1115490	Running TestNG tests from Process Executor - unable to parse JUnit results.
3171513	1115415	Custom roles issue Silk Central - Issue Manager.

SI #	RPI #	Description
3171594	1115400	Keyword-driven testing - Screencast of mobile device does not work in Google Chrome, Microsoft Edge, and Mozilla Firefox.
3171608	1115427	Test container properties view: Swapped values for custom data directory and custom include directory.
3171837	1115584	Performance issue when editing test attributes.
3175563	1115844	<i>Execution Status Overview</i> report fails for projects with an ID that is greater than 1000.
3175867	1115923	LDAP configuration is not working.
3177504	1115924	Project import: Do not duplicate test parameters if a parameter with the same name and type already exists.
3178581	1115963	Fixed test results for finished testing cycles: Include test runs of deleted tests in Manual Test Results view.
3178582	1115960	Inactive test attributes can be assigned in grid view.
3180351	1116106	Cannot filter on any attributes in a test.
3180530	1116191	VFS navigation in Silk Central.
-	-	CheckDB: Check data source attributes exception.
-	-	Restrict authenticated session cookie to specific paths and httpOnly.
-	-	Fix download of metrics in SystemDiagnostics.
-	-	Update to jQuery 3.3.1 and jQuery UI 1.12.1.
-	-	Add rel="noopener noreferrer" for external links. Changed <code>nginx.conf.template</code> to include examples for secure configuration.
-	-	Creating project baselines: Improve error logging on data-driven table import.
-	-	Support OrderedTests in MSTest plugin. Adding tests to the <code>orderedtest</code> file more than once is not supported.

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 19.5 has been tested as well as the software that Silk Central supports.

Operating System Support

- Microsoft Windows Server 2012
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2016
- Microsoft Windows 7 32-bit/64-bit Service Pack 1 (execution server)
- Microsoft Windows 8.1 32-bit/64-bit (execution server)
- Microsoft Windows 10 32-bit/64-bit (execution server)
- Android 4.4, 5.x, 6.x, 7.x, 8.x, 9.x (mobile device testing)
- iOS 9.3, 10.x, 11.x, 12.x (mobile device testing)



Important: [Update for Universal C Runtime in Windows](#) is required for all Microsoft Windows operating systems. For Microsoft Windows Server 2016, the installation option **Windows Server (Server with Desktop Experience)** is required.

Linux Operating System Support

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

- Debian
- Red Hat Enterprise Linux
- SUSE Linux
- Ubuntu

Web Browser Support

- Google Chrome
- Internet Explorer 11 or later (no compatibility mode)
- Mozilla Firefox
- Microsoft Edge

Web Server Support

- IIS 8 32 bit/64 bit
- IIS 10 32 bit/64 bit

Database Management System Support

- Microsoft SQL Server 2014 Service Pack 2
- Microsoft SQL Server 2016 Service Pack 1
- Microsoft SQL Server 2017
- Oracle 11g (version 11.2.0.4). Oracle RAC is not supported.
- Oracle 12c (version 12.1.0.2). Oracle RAC is not supported.

Integrated Micro Focus Software Support

- AccuRev 6.2

- Caliber 11.4, 11.5
- Mobile Center 2.51 or later
- Silk Performer 19.5
- Silk Test 19.5
- StarTeam 15.x, 16.x, 17.0
- Silk TestPartner 6.3
- Unified Functional Testing (UFT) 14.0

Integrated Third-Party Software Support

- Apache Commons Virtual File System (VFS)
- Atlassian JIRA 6, 7
- Atlassian JIRA Agile 6, 7
- Bugzilla 4.4.13, 5.0.4
- CA Agile Central
- Git 2.20.1
- IBM Rational ClearQuest 8.0
- IBM Rational DOORS 9.5, 9.6
- IBM Rational DOORS Next Generation 6.0
- JUnit 4.x, 5.x
- Java Runtime Environment 1.7 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 2015
- NUnit 2.6.4, NUnit Console and Engine 3.8
- SAP Solution Manager 7.2
- Subversion 1.9
- Team Foundation Server 2015, 2017
- VersionOne Enterprise Edition
- VMware vCloud Director 5.5

Planned End of Support

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

IBM Rational DOORS

In a future release, support for IBM Rational DOORS will be discontinued. Instead, Silk Central now supports IBM Rational DOORS Next Generation.

Microsoft Windows 7 (execution server)

In a future release, support for Microsoft Windows 7 will be discontinued.

VMware vCloud

In a future release, support for VMware vCloud will be discontinued.

Rally Mashups

In a future release, support for Rally Mashups will be discontinued.

Atlassian JIRA 6

In a future release, support for Atlassian JIRA 6 will be discontinued.

Team Foundation Server 2015

In a future release, support for Team Foundation Server 2015 will be discontinued.