

SilkCentral Test Manager 12.0



Manual Testing
Client

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Contents

Manual Testing Client	4
Tour of the Manual Testing Client UI	4
Installing Manual Testing Client	9
Uninstalling Manual Testing Client	9
Tests in the Manual Testing Client	10
Inserting Test Manager Parameters into Description Text Boxes	10
Configuring the Manual Testing Client	11
Configuring Connection Parameters	11
Configuring Other Settings	11
Configuring Package Upload Preferences	12
Managing Attachments with the Manual Testing Client	12
Pasting Screen Captures	12
Uploading Attachments to the Manual Testing Client	12
Viewing Attached Images Within the Manual Testing Client	13
Viewing Attachments Within the Manual Testing Client	13
Working with Execution Packages	13
Downloading Execution Packages	13
Exporting Execution Packages	13
Importing Execution Packages	14
Editing Package Build Numbers	14
Uploading Test Results to Test Manager	14
Managing Change Conflicts upon Upload	14
Storing Test Results to Test Manager	15
Adding an Internal Issue with the Manual Testing Client	15
Enabling Code Analysis Within the Manual Testing Client	15
Working Offline with the Manual Testing Client	16
Execute Test Dialog Box	16
Video Capturing in the Manual Testing Client	18
Recording Videos in the Manual Testing Client	19


Manual Testing Client

The Manual Testing Client is an Eclipse-based client tool that provides the full functionality you need to efficiently execute manual tests. The client enables testers to manage their tests, edit tests, and track results without the need of an Internet connection.

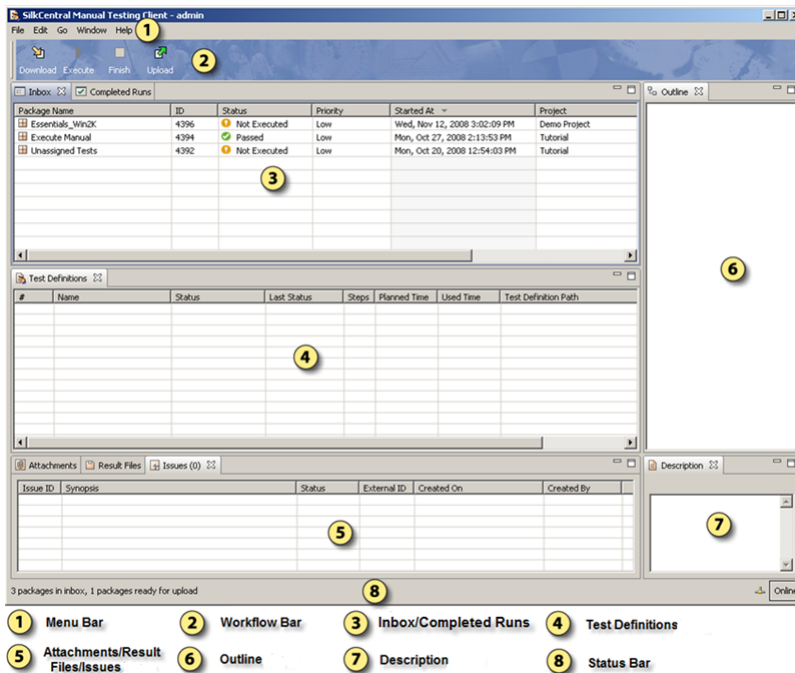
 **Tip:** If many users work on manual tests in parallel, we recommend to use the Manual Testing Client, an Eclipse-based client tool, to execute the manual tests.

 **Note:** The Manual Testing Client supports running test executions with code analysis information. If a test execution is already enabled to gather code analysis information within Test Manager, the settings are automatically available in the Manual Testing Client. Code analysis can also be enabled for execution plans from within the Manual Testing Client.

Tour of the Manual Testing Client UI

 **Note:** Eclipse does not initialize views until they are activated for the first time, so certain tabs within the Manual Testing Client will not display their contents until they are selected. For example, the **Attachments** page will not display the number of attachments it tracks until it is selected.

The following image displays the eight main areas of the UI of the Manual Testing Client.



Menu Bar

The menu bar provides editing options for tests and views. You can use the menu bar to edit user, appearance, or test settings, to navigate between execution packages, or to access **Help**. The following list displays the available menus:

Menu **Description**

File Provides the same functionality as the workflow bar and additional functionality for package import and export, changing users, switching the Manual Testing Client between online and offline mode, and storing executed package results to Test Manager.

Edit The edit menu includes the following items:

Item	Description
Set as <Status>	Set the execution status of the execution package or test to the selected status.
Add Result File...	Add a result file to an execution package or test.
Edit Build Number...	Select the build number for an execution package.
Edit Code Analysis Settings...	Specify hostnames to include in code coverage runs for an execution package. The hostnames must be separated by commas. For example: labmachine1, 192.168.0.1:19129.
Delete	Delete an execution package. You can delete only execution packages with completed runs.

Go Navigate between the available execution packages and tests.

Window Edit the view and the preferences of the Manual Testing Client. The menu includes the following items:

Item	Description
Show View	Activate and deactivate the available views in Manual Testing Client's Workspace .
Reset Perspective...	Reset the current Manual Testing Client perspective to the default state.
Preferences...	Set the preferences for the Manual Testing Client.

Help Access the documentation and **About** page of the Manual Testing Client.

Workflow Bar

The workflow bar gives you quick access to the basic functions you can perform with the Manual Testing Client. The following buttons are available in the workflow bar:

Button	Description
Download	Download the execution packages from Test Manager.
Execute	Execute a test in the Manual Testing Client.
Finish	Stop the execution of a test before the test is fully executed.
Upload	Upload the execution packages to Test Manager.



Inbox

The **Inbox** lists all execution packages that have been downloaded to the Manual Testing Client for manual execution. Multiple execution packages can be selected within the **Inbox** window using standard Windows keyboard shortcuts. The **Inbox** includes the following properties for the selected test:

Property	Description
Package Name	Name of the execution package that has been downloaded from Test Manager.
ID	Execution package number that has been generated for this execution package.
Status	Status of the execution package. Status values cannot be edited on the Completed Runs page. The available values are <code>Not Executed</code> , <code>Passed</code> , <code>Failed</code> , <code>Unresolved</code> , and <code>Unsupported</code> . Execution package status values cannot be edited. The overall package status is determined by the composition of the test statuses, and by extension the statuses of the test steps, that are contained within a package. For example, overall package status remains <code>Not Executed</code> as long as a test step of one of the contained tests has a status of <code>Failed</code> . So, even if some of a test's steps have passed, the overall status of the package will remain <code>Not Executed</code> until the package is finished and all not executed tests are assigned a status on the Finish Run dialog box. The overall status will be considered <code>Passed</code> when one or more test steps or tests in a package are <code>Passed</code> and all not executed steps and tests are resolved through the Finish Run dialog box.
Priority	Priority of the execution package.
Keywords	All keywords that are assigned to the execution package.
Started At	When testing of the execution package began.
Project	Name of the Test Manager project from which the execution package was derived.
Version	Product version from which the execution package was derived.
Build	Product build from which the execution package was derived.
Execution Path	File path where this execution plan resides in Test Manager's Execution Plans tree.

Completed Runs

The **Completed Runs** page lists all execution packages for which testing is complete. The **Completed Runs** page includes the following properties for the selected execution package:

Property	Description
!	This column offers a status icon that indicates the upload status of corresponding execution packages. A red arrow icon indicates that a package's results have not yet been uploaded. A checkmark icon over a faint arrow icon indicates that a package's results have already been uploaded to the server. Double-click this icon to open the Execute Test dialog for the first test of this execution package.
Package Name	Name of the execution package that has been downloaded from Test Manager.
ID	Execution package number that has been generated for this execution package.
Status	Status of the execution package. Status values cannot be edited on the Completed Runs page. The available values are <code>Not Executed</code> , <code>Passed</code> , <code>Failed</code> , <code>Unresolved</code> , and <code>Unsupported</code> . Execution package status values cannot be edited. The overall package status is determined by the composition of the test statuses, and by extension the statuses of the test steps, that are contained within a package. For example, overall package status remains <code>Not Executed</code> as long as a test step of one of the contained tests has a status of <code>Failed</code> . So, even if some of a test's steps have passed, the overall status of the package will remain <code>Not Executed</code> until the package is finished and all not executed tests are assigned a status on the Finish Run dialog box. The overall status will be considered <code>Passed</code> when one or more test steps or tests

Property	Description
	in a package are <i>Passed</i> and all not executed steps and tests are resolved through the Finish Run dialog box.
Priority	Priority of the execution package.
Keywords	All keywords that are assigned to the execution package.
Started At	When testing of the execution package began.
Finished At	When testing of the execution package ended.
Project	Name of the Test Manager project from which the execution package was derived.
Version	Product version from which the execution package was derived.
Build	Product build from which the execution package was derived.
Execution Path	File path where this execution plan resides in Test Manager's Execution Plans tree.

Tests

The **Tests** page includes all information related to the manual test that is selected above in the **Inbox** or **Completed Runs** page.

Multiple tests can be selected within the **Tests** window using standard Windows keyboard shortcuts. To apply a status change to selected tests, right-click the selection and select a new status value from the context menu.

The **Tests** page includes the following properties for each test:

Property	Description
#	Number that has been automatically generated for the test.
Name	The test name.
Status	Status of the test. The available values are <i>Not Executed</i> , <i>Passed</i> , <i>Failed</i> , <i>Unresolved</i> , and <i>Unsupported</i> . This value can be changed by right-clicking the current value and selecting an alternative value from the context menu.
Last Status	Status that this test held before the current status.
Steps	Number of steps in the selected manual test.
Planned Time	Estimated time for completion of the test in [hh:mm:ss].
Used Time	This field tracks the elapsed time in [hh:mm:ss] since the start of the test execution. This field can be manually edited. The timer will stop during editing. After editing this field the timer will continue tracking time from the manually adjusted time.
Test Path	File path where this test resides in Test Manager's Tests tree.

Attachments

The **Attachments** page lists any attachments related to the selected manual test. This page is also available on the **Execute Test** dialog box.

When you have selected a test in the **Tests** window, you have the option of supplementing the list of displayed attachments by selecting an **Include attachments of** value. Select **Test Container/Folders** to include all attachments from the selected test's test container or folder. Or select **Test Steps** to include attachments from the test steps of the test.

The **Attachments** page includes the following properties for each attachment:

Property	Description
Name	Name of the attachment.
Type	Attachment file type.
Description	Description that has been created for the attachment, if any.
Source	File path where this attachment's test resides in Test Manager's Tests tree.
Image Preview	If the attachment is an image, you can use the Image Preview controls to view the attachment. Right-click the image, or click the buttons to the right of the window, to access the following commands: Show Actual Size , Scale to Fit , and Scale to Fit — Keep Aspect Ratio . Click Open as Detached Window to open Image Preview in a separate window.

Result Files

The **Result Files** page lists any result files that are related to the selected manual test. This page is also available on the **Execute Test** dialog box. The **Result Files** page includes the following properties for each result file:

Property	Description
Name	Name of the result file.
Source	File path where this result file's test resides in Test Manager's Tests tree.
Add File	Click to browse to and select a new result file for upload to this test.
Paste Image	Click to paste an image from your computer's clipboard and attach the image to this test.
Remove	Click to remove the selected result file attachment from this test.
Image Preview	If the result file is an image, you can use the Image Preview controls to view the result file. Right-click the image, or use the buttons to the right of the window, to access the following commands: Show Actual Size , Scale to Fit , and Scale to Fit — Keep Aspect Ratio . Click Open as Detached Window to open Image Preview in a separate window.

Issues

The **Issues** page lists any issues related to the selected manual test. This page is also available on the **Execute Test** dialog box. The **Issues** page includes the following properties of each issue:

Issue ID	ID that has been assigned to this issue.
Synopsis	Synopsis that has been written for this issue.
Status	Status of the issue.
External ID	Indicates if the issue is tracked by an external issue tracking system. If this issue is tracked by an external issue tracking system, and that issue has been assigned an ID, you can click the external ID number in this field to link directly to the issue in the external issue tracking system.
Created On	When the issue was created.
Created By	User who created the issue.

Outline

Shows the content tree of the selected execution package or the location of the selected test in the execution package.

Description

Shows the description of the selected execution package or test.

Status Bar

Shows the current amount and status of the execution packages and tests in the currently active view.


Button	Description
Online/Offline	Click to switch Manual Testing Client's mode from online to offline and back.

Installing Manual Testing Client

The Manual Testing Client is a separate executable from Test Manager. Using Java Web Start technology, the Manual Testing Client can be deployed with a single click over the network. Java Web Start ensures the most current version of Manual Testing Client is deployed, as well as the correct version of the Java Runtime Environment (JRE).

Prerequisite: Java Runtime Environment (JRE) version 6 or higher must be installed on your computer to use Manual Testing Client with Java Web Start technology. You can download JRE from <http://java.sun.com/javase/downloads/index.jsp>.

Alternately you can install Manual Testing Client on your computer by navigating to **Help > Tools > Manual Testing Client**.

 **Tip:** To start the Manual Testing Client, navigate to **Start > Programs > Silk > SilkCentral > Test Manager 12.0 > Manual Testing Client**.

To install and start Manual Testing Client:

1. When clicking a link to the Manual Testing Client Web Start URL, `http://<Test Manager host>:<port>/webstart/mtc/`), for example in a manual testing notification email, a **File Download** dialog box opens.
2. Click **Open**.
If Manual Testing Client is not installed on your computer, the **Java Web Start** dialog box opens and immediately starts downloading Manual Testing Client. The download can take up to several minutes. If Manual Testing Client is already installed on your computer, Manual Testing Client opens and the following steps are not applicable.
When the download has completed, a **Warning — Security** dialog box opens, asking you if you want to run the digitally signed application.
3. Check the **Always trust content from this publisher** check box, then click **Run**. The Manual Testing Client opens.

Uninstalling Manual Testing Client

To uninstall the Manual Testing Client:

1. Open a command line window.
2. In the Windows command line window, type `javaws -viewer` and press **Enter**. The **Java Cache Viewer** opens.
3. In the **Show** list box, select `Applications`, if not already selected.
4. The table should now list Manual Testing Client — Web Start. Select this application and click the delete button (X) on the toolbar.
5. Manual Testing Client is now removed from your computer and you can close the **Java Cache Viewer** and **Java Control Panel** dialog boxes.

Tests in the Manual Testing Client

While in Edit mode, the Manual Testing Client offers a full range of test-editing functionality, including the addition, reordering, and removal of test steps and the insertion of step properties. You can edit manual test properties in both online and offline modes. You can synchronize changes made in offline mode with the server whenever an Internet connection is available.

Edit mode enables editing of all test elements that can be edited through the Test Manager Web client. On the **Details** page this includes the following values:

- **Planned Time**
- **Step Names**
- **Step Property Values**
- **Step Description**
- **Expected Result**

On the **Description** page the **Test Description** field can be edited, including the insertion of step property parameters.

In Edit mode, multiple test steps can be selected within the **Tests** window using standard Windows keyboard shortcuts. To apply a status change to selected test steps, right-click the selection and select a new status value.

In normal mode, you can only enter test results into the **Result** column and edit the status of tests and individual test steps. Statuses are changed by right-clicking status values and selecting an alternative status value.



Note: Editing of data-driven tests is not supported.

Parameters

Step property parameters can be inserted into test and test step descriptions. Parameters can be inserted into the **Test Description**, **Step Description**, and **Expected Result** fields. In normal mode, parameter values are resolved (their parsed values are displayed in place of the parameters themselves). In Edit mode parameters are not resolved; the parameters themselves are displayed. When in Edit mode, using the **Parameters** list box on the **Description** tab toolbar, you can select pre-configured Test Manager parameters for insertion.

Change Conflict Handling

With the Manual Testing Client's offline editing functionality it's possible for multiple users to edit the same test at the same time. Test Manager automatically merges all uploaded changes into the **Tests** tree unless change conflicts arise, for example if two users simultaneously edit the same manual test step. If your uploaded changes conflict with recent changes made by another user, upon upload, you will be presented with the **Test Conflicts** dialog box so that you can manage the conflict.

Using the **Test Conflicts** dialog box you can specify if your changes should be saved as a part of the test and included in future runs of the test, or if they should be ignored. If you opt to have your changes ignored, they will still remain a part of the test results from the test run in which they were included.

Inserting Test Manager Parameters into Description Text Boxes

To insert a Test Manager parameter into a description text box:

1. In the Manual Testing Client, in Edit mode, navigate to **Execute Test > Description** or **Execute Test > Details** .
You can insert any pre-configured Test Manager parameter into the **Test Description**, **Step Description**, and **Expected Result** text boxes.
2. Place your cursor into the text box.
3. Click **Parameters** on the toolbar.
4. Select a pre-configured Test Manager parameter from the list box.

Configuring the Manual Testing Client

This section explains how to configure the Manual Testing Client.

Configuring Connection Parameters

Connection parameters are configured automatically the first time you start the Manual Testing Client.

To edit login credentials and validate your connection:

1. In the Manual Testing Client, navigate to **Window > Preferences** . The **Preference Settings** dialog box opens.
2. Type the URL of your Test Manager installation in the **Test Manager server URL** text box.
3. Select **Remember Credentials** if you want the Manual Testing Client to insert your login credentials automatically the next time you start the application.
4. Enter your Test Manager **Username** and **Password**.
5. Click **Validate Connection** to test your login settings.
6. Click **OK** on the confirmation dialog box.
7. Click **OK** to save your settings.

Configuring Other Settings

To configure other settings:

1. In the Manual Testing Client, navigate to **Window > Preferences** . The **Preference Settings** dialog box opens.
2. In the **Other settings** section, check or uncheck one or more of the following check boxes:

Download attachments automatically	Download attached files automatically when execution plan packages are downloaded from Test Manager. This option must be enabled if you intend to work offline after you download your assigned execution packages.
Ask for build number when completing packages	Before uploading packages to Test Manager, display a prompt requesting the build number on which the test was performed.
Show execution dialog always on top	Have the Execute Test dialog box display on top of other open windows on your computer desktop to facilitate manual testing. When enabled, the Execute Test dialog box stays on top even when another window has the focus. When executing manual tests, you may want to keep the Execute Test dialog box on top so that you can easily enter your test results. If your computer monitor is too small to contain both the Execute Test dialog box and the application under test, you should leave this setting unchecked.

Ask for uploading workspace to SilkCentral Test Manager before closing main window

Display a confirmation prompt before closing the Manual Testing Client.

3. Click **OK** to save your preference settings.

Configuring Package Upload Preferences

To configure execution-package upload preferences:

1. In the Manual Testing Client, navigate to **Window > Preferences** . The **Preference Settings** dialog box opens.
2. In the **Packages** area of the dialog box, check the **Remove uploaded packages** check box to define an option for automatic deletion of execution plan packages from the Manual Testing Client after packages are uploaded to Test Manager.
3. Click one of the following deletion option buttons:
 - **Immediately**
 - **After <x> days**. Type a value in the days text box if you select this option.
4. Check the **Upload completed packages immediately** check box if you want to have completed test run packages uploaded to Test Manager automatically after test runs are completed.

Managing Attachments with the Manual Testing Client

This section explains how to manage attachments with the Manual Testing Client.

Pasting Screen Captures

To upload a screen-captured image directly from the clipboard:

1. Copy a screen capture to your computer's clipboard.

The **Paste Image** button on the **Result Files** page of the Manual Testing Client becomes enabled.
2. Click **Paste Image**.
3. Specify a **File Name** for the image on the **Paste From Clipboard** dialog box.
4. Click **OK** to save the copied screen capture as an image file attachment.

Uploading Attachments to the Manual Testing Client

When during the course of testing you encounter a relevant result file, which can be a screen-captured image, an error log, or another file, you can upload the file as an attachment to a test.

To upload a result file as an attachment:

1. In the Manual Testing Client, select a test in the **Tests** page.
2. Click the **Result Files** tab.
3. Click **Add File** to browse to and select the result file you want to upload.
4. Click **Open** to attach the file.

Viewing Attached Images Within the Manual Testing Client

To view an attached image file:

1. In the Manual Testing Client, select an image file in the **Attachments** page. The image displays in the **Image Preview** field.
2. Use the following viewing tools next to the **Image Preview** field to manipulate the image:
 - Show Actual Size
 - Scale to Fit
 - Scale to Fit - Keep Aspect Ratio
 - Open as Detached Window

Viewing Attachments Within the Manual Testing Client

To view a test attachment from within the Manual Testing Client:

1. In the Manual Testing Client, select a test in the **Tests** page.
2. The **Attachments** page lists all of the result files that are associated with the selected test.
3. Using the **Test Container/Folders** and **Test Steps** check boxes, you can filter the list of attachments to include only those attachments that are related to the selected test container, test folder, or test step.

Working with Execution Packages

Downloading Execution Packages

After the Manual Testing Client is configured, the first step in running manual tests is downloading copies of the manual execution plans that are assigned to you.



Note: Execution plans remain online in Test Manager; only copies of the execution plans are downloaded to the Manual Testing Client.

To download the execution packages that are assigned to you:

1. In the Manual Testing Client, click **Download** on the toolbar.
2. If your connection settings are correctly configured, and execution plans are started in Test Manager, the execution packages that are assigned to you display in the **Inbox**.

Exporting Execution Packages

Downloaded execution packages can be both exported from and imported to the Manual Testing Client. This allows for easy exchange of execution packages between testers over email. Downloaded attachments are automatically included in exported packages.




Note: Execution packages have the `.zpkg` extension.

To export an execution package:

1. In the Manual Testing Client, right-click an execution package in the **Inbox** page.
2. Select **Export Package**.
3. On the **Export to** dialog box, browse to the location where the package is to be saved and click **Save**.
4. Click **OK** on the confirmation dialog box notifying you that the export was successful.

Importing Execution Packages

Downloaded execution packages can be both exported from and imported to the Manual Testing Client. This allows for easy exchange of execution packages between testers over email. Downloaded attachments are automatically included in exported packages.

 **Note:** Execution packages have the `.zpkg` extension.


To import an execution package:


1. In the Manual Testing Client, navigate to **File > Import Package**.
2. On the **Import from** dialog box, browse to the package that is to be imported and click **Open**.
3. Click **OK** on the confirmation dialog box notifying you that the import was successful.

Editing Package Build Numbers

To edit the build number of an execution package:

1. In the Manual Testing Client, right-click an execution package in the **Inbox** page.
2. Select **Edit Build Number**. The **Select Build Number** dialog box opens.
3. Select a build number from the **Build** list box.

 **Note:** You can refresh the build list by clicking **Refresh build list**.


 **Note:** If you want to be prompted to specify a build number each time a test run is completed, check the **Ask for build number when completing packages** check box.

4. Click **OK**.


Uploading Test Results to Test Manager

To upload test results from finished packages:

1. In the Manual Testing Client, complete a manual test by clicking **Finish Run** on the **Execute Test** dialog box or **Finish** on the toolbar.

 **Note:** If you attempt to complete testing of a test package while any of the package's tests have a status of `Not Executed`, the **Finish Run** dialog box will display on which you can define how not executed tests should be handled.

2. Click the **Completed Runs** tab.
3. Right-click a completed test run and select **Upload to Test Manager**, or select **Upload** from the **File** menu, to upload your test results to Test Manager.

 **Note:** Execution plan statuses are updated automatically in the SilkCentral database when you are working online.

Managing Change Conflicts upon Upload

To manage change conflicts during upload:

1. After completing your manual test edits, click **Upload** to upload your results to the server.
2. Click **Yes** to confirm that you want to have your changes committed to the **Tests** tree on the server. If your changes conflict with recent changes made by another user, the **Test Conflicts** dialog box will display, listing the tests that are in conflict.
3. To directly access a conflicting test in Test Manager and view the changes, right-click the test and select **Go to Test in Test Manager**.

4. Click **Upload Changes** to ignore changes made by other users and commit your changes to Test Manager, thereby overwriting any recent changes that conflict with your changes, or click **Revert Changes** to not have your changes saved to the test.

If you opt for **Revert Changes**, your changes will not be committed to the **Tests** tree, however your changes will be visible in the execution results you are uploading. Your changes will not be included in future runs of the test.

Storing Test Results to Test Manager

To store test results from Manual Testing Client in Test Manager:

1. In the Manual Testing Client, select **Store Results to SilkCentral** from the **File** menu.
2. Alternatively, when closing Manual Testing Client, you can upload your entire workspace to Test Manager.

Adding an Internal Issue with the Manual Testing Client

The Manual Testing Client enables you to create an internal issue and map an external issue to this internal issue. To create the internal issue and map the external issue:

1. In the Manual Testing Client, click the **Inbox** tab.
2. Select an execution plan package.
The tests included in the selected package are listed in the **Tests** page.
3. In the **Tests** page, double-click a test.
4. Click **New Internal Issue**. The **New Issue** dialog box opens.
5. Fill out the text boxes.
6. Click **OK**.



Note: You must be online during this procedure.

Enabling Code Analysis Within the Manual Testing Client

To enable code analysis for an execution plan from within the Manual Testing Client:

1. In the Manual Testing Client, navigate to **Edit > Edit Code Analysis Settings**. The **Edit Code Analysis Settings** dialog box opens.
2. Check the **Enable code analysis for package <Package Name>** check box.



Note: After code analysis is enabled, you can execute your tests in the Manual Testing Client. However, you need to click **Code Analysis: Start** on the **Details** page of the **Execute Test** dialog box before you actually start testing. This way Test Manager will collect code analysis information while you execute the manual test. When you are done testing, click **Stop** to halt the collection of code analysis information.

3. Select a profile from the **Code Analysis Profile** list box.
4. In the **Hostnames** text box, enter a comma-separated list of hostnames, with port, if default port 19129 is not used, from which code analysis information is to be gathered.

For example `labmachine1, labmachine2:8000, 198.68.0.1`. For each execution plan, you need to define the host names of the machine resources where the AUT is running. For example, with a client/server system, you must not only gather code coverage information on the client, which probably runs directly on an execution server, but also on the server, which likely runs on a different machine. This applies to all multi-tiered applications.



Note: For JUnit code analysis runs, you do not need to specify a hostname.

5. Click **OK** to save your settings.

Working Offline with the Manual Testing Client

If you plan to work without access to an Internet connection, select offline work mode so that the Manual Testing Client will not attempt to connect to Test Manager automatically.

To work in offline mode:

1. In the Manual Testing Client, select **File > Work Offline** or click **Online** in the bottom right corner.
2. Once you have completed your tests and have access to an Internet connection, proceed with uploading your test results.

Execute Test Dialog Box

When you execute a manual execution plan in the Manual Testing Client, the **Execute Test** dialog box displays. This dialog box enables you to execute the test steps that are included in the selected execution plan, and track the results of the test steps.

The **Execute Test** dialog box includes the following pages: **Description**, **Details**, **Attachments**, **Result Files**, and **Issues**.

Description

In normal mode, the **Description** page offers a read-only **Test Description** text box for the selected test and the **Test Name** text box. In edit mode, these text boxes can be edited. Click **Open Description in Separate Window** to open the most recently saved version of the test description in a separate window. The detached window always remains on top to assist in manual testing.

Details

The **Details** page offers a read-only description of the selected test.

The page includes the following items:

Item	Description
Test Status	Current status of the test. In edit mode this text box can be edited.
Last Status	Status of the test in the previous test run.
Planned Time	Estimated time for completion of the test in hh:mm:ss. In edit mode this text box can be edited.
Used Time	This text box tracks elapsed time in hh:mm:ss since the beginning of test execution. This text box can be manually edited. The timer stops during editing. After editing this text box the timer continues tracking from the manually adjusted time.
Start	Initiates code analysis. Enter the host names for which you want to run code analysis.
Test Steps	Lists the manual test steps the selected test includes. You can select multiple test steps in the Test Steps

Item	Description
	section by using the standard Windows keyboard shortcuts. To change the status of the selected test steps, right-click on the steps and choose a new status value.
Result	The result of each test step as observed by the tester. Edit this text box after you have completed this step.
Status	Status of each step. Edit this text box after you have completed this step.
Step Description	Describes the action you must perform in this step.
Expected Result	The expected result or success condition of each test step.

Execute Test Toolbars

The **Execute Test** dialog box includes the following toolbars:

Toolbar	Description
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Test Steps	Use to manage your manual test steps during a test execution. The toolbar includes the following items:
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Item	Description
Add Test Step	Add a new test step to the end of the Test Steps list.
Insert Test Step	Insert a new test step above the selected test step in the Test Steps list.
Duplicate Test Step	Create a copy of the selected test step in the Test Steps list.
Delete Test Step	Delete the selected test step from the Test Steps list.
Move Test Step Up	Move the selected test step up one position in the Test Steps list.
Move Test Step Down	Move the selected test step down one position in the Test Steps list.

Text Formatting	Use to format the Test Description , Step Description , and Expected Result descriptions. Click Parameters to insert parameters into your descriptions. The toolbar includes the following items:
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Item	Description
Bold	Apply bold formatting to the selected text.
Italics	Apply italicized formatting to the selected text.
Underline	Apply underlined formatting to the selected text.
Align Left	Align the selected text to the left side.
Align Center	Align the selected text to the center.
Align Right	Align the selected text to the right side.
Justify	Apply a justified alignment to the selected text.

Toolbar

Description

Item	Description
Bulleted List	Convert the selected text to a bulleted list.
Indent Left	Apply a left-side indent to the selected text.
Indent Right	Apply a right-side indent to the selected text.
Undo Change	Undo the last action you performed in a text description text box.
Redo Change	Redo the last action you performed in a text description text box.
Font	Apply a different font type to the selected text.
Font Size	Apply a different font size to the selected text.
Format	Apply a different pre-defined formatting style to the selected text. For example, Heading 1, Heading 2, ...
Parameters	Insert pre-configured Test Manager custom step properties, which are also called project parameters, into text descriptions. In normal mode, the dialog box displays the parsed values of the resolved parameters. In Edit mode, the dialog box displays the actual parameters.

Navigation

Use to manage your manual test execution and to navigate between tests. The toolbar includes the following items:

Item	Description
Edit	Edit the properties of the selected test.
New Internal Issue	Add an internal issue to the selected test.
Go To Issues	View the issues of the selected manual test in Test Manager, or assign new issues to the test.
Previous Test	Return to the previous test step in the manual test execution.
Next Test	Advance to the next test step in the manual test execution.
Finish Run	Close the Execute Test dialog box when you have completed all test steps in the active manual test.

Video Capturing in the Manual Testing Client

You can capture a video of a test in Manual Testing Client, which you can then add to the Manual Testing Client result files. You can then analyze the video, for example if an error occurs during the test.



Note: Video capturing is currently enabled only for Microsoft Windows operating systems. To use video capturing on a Windows 2008 system, you need to install the following server features:

- Desktop Experience
- Quality Windows Audio Video Experience



Note: The main display of your system is recorded. Secondary displays are not included in the video. During the recording, some tasks are not enabled. To perform such tasks, stop the recording.

Recording Videos in the Manual Testing Client

To enable video capturing in the Manual Testing Client:

1. In the Manual Testing Client, click on the package that includes the test that you want to execute in the **Inbox**. The tests in the selected package are displayed in the **Tests** page.
2. Double-click on the test that you want to execute. The **Execute Test** dialog box opens.
3. Click the **Details** tab. The **Details** page opens.
4. In the **Test Details** section, click **Start** on **Video Recording**. A red button indicates that a video of the test is being recorded.
5. When you no longer want to record, click **Stop** on **Video Recording**. The **Add Video to Result Files** dialog box opens.
6. Type a name for the video file, and click **OK**, to save the video, or click **Cancel** to delete the video file. The video is added to the result files of the test.
7. To view the video, click the **Result Files** tab and double click on the video file.

Index

A

- adding internal issues
 - Manual Testing Client 15
- attached images
 - viewing in Manual Testing Client 13
- attachments
 - viewing in Manual Testing Client 13

C

- configuring
 - Manual Testing Client 11
 - Manual Testing Client connection parameters 11
 - Manual Testing Client package upload preferences 12
 - Manual Testing Client settings 11
- connection parameters
 - configuring 11

E

- enabling
 - code analysis within Manual Testing Client 15
- execute test
 - dialog box 16
- execution packages
 - downloading to Manual Testing Client 13
 - editing build numbers 14
 - exporting from Manual Testing Client 13
 - importing into Manual Testing Client 14
 - overview 13

I

- installing
 - Manual Testing Client 9

M

- managing attachments
 - Manual Testing Client 12
- Manual Testing Client
 - adding internal issues 15
 - configuring 11
 - configuring connection parameters 11
 - configuring package upload preferences 12
 - configuring settings 11
 - downloading execution packages 13
 - editing package build numbers 14
 - enabling code analysis 15
 - exporting execution packages 13
 - importing execution packages 14
 - inserting parameters 10
 - installing 9
 - managing attachments 12
 - managing change conflicts 14
 - overview 4

- pastoring screen captures 12
 - starting 9
 - storing test results 15
 - tests 10
 - tour of the UI 4
 - uninstalling 9
 - uploading attachments 12
 - uploading test results 14
 - video capturing 18, 19
 - viewing attached images 13
 - viewing attachments 13
 - working offline 16
- manual tests
 - Manual Testing Client 10

P

- package build numbers
 - editing in Manual Testing Client 14
- parameters
 - inserting 10
- pastoring
 - screen captures to results 12

R

- recording videos
 - Manual Testing Client 18

S

- starting
 - Manual Testing Client 9
- storing
 - test results from Manual Testing Client 15

U

- uninstalling
 - Manual Testing Client 9
- uploading
 - test results from Manual Testing Client 14
- uploading attachments
 - Manual Testing Client 12
- uploading execution packages
 - managing change conflicts 14

V

- video capturing
 - Manual Testing Client 19

W

- working offline
 - Manual Testing Client 16