TestArchitect™ 8.1

Update 1

Release Notes for Linux

LogiGear Corporation

4100 E 3rd Ave - suite 150
Foster City, CA, 94404

Phone	(650) 572-1400
	(800) 322-0333
Fax	(650) 572-2822
Web	www.logigear.com

Contents

Please note:
- Before upgrading to the latest version of TestArchitect, it is strongly recommended that you back up all repositories.
- A TestArchitect client and any repository server to which it connects must be of the same version.

What's New in TestArchitect 8.1 Update 1

The following new features and improvements are introduced in the latest version of TestArchitect running under Linux.

TestArchitect Client

Enhancements to existing features

- **Variation execution**
  Formerly, when both linked and keyword variations were specified at runtime, TestArchitect required eligible variations with keywords to match the runtime-specified keyword set exactly. Now, TestArchitect accepts variations with subsets of the runtime-specified keyword set, with priority given to the variation with the largest subset.

- **Support for viewing new line and horizontal tab characters in the test results.**

- In the **Select Controller** dialog box, each controller is identified by its host name, rather than IP address.

TestArchitect Automation

New in this release

- **Support for Chrome Android testing**
  You can now use TestArchitect to create automated GUI and functional tests in the Google Chrome mobile web browser on Android devices.

  - **Special handling of JavaScript popups**
    Due to the manner in which the web browser engine processes JavaScript code, modal popup windows produced in a web application with JavaScript cannot be tested in a conventional manner. To address this issue, TestArchitect offers a special set of actions for interfacing with JavaScript popups, including alerts, prompts and confirmation dialogs.

Action	Description
click on next popup	Click a specified button in a prompt, alert, or confirmation popup.
enter text on next popup	Write text to the user-entry field of a prompt popup, then click OK.
get popup message	Retrieve the messages of one or more recent confirmation, prompt, or alert popups.
get popup default text	Retrieve the default text of the user-entry field of one or more

	recent prompt popups.
check popup message	Check the message strings displayed by one or more popups (prompt, alert or confirmation) against the respective expected messages. Result is Passed if all values match; otherwise Failed.
check popup default text	Check the default text of the user-entry fields of one or more prompt popups against their respective expected values. Result is Passed if all values match; otherwise Failed.
clear popup queue	Clear any remaining actions from the popup-handler queue, and clear the popup history buffer.

- o **submit form** (built-in action): Submit the form to which the given HTML control belongs.

- **Special character functions**
  To allow your test procedures to include special symbols and non-printing characters in expressions, the following expression function has been added:
  - **#char(code)**: General-purpose function to return a Unicode character based on its decimal code.

  As an added convenience, the following two special purpose functions may be used for the most common non-printing characters:
  - **#newline()**: Return a special character signifying the end of a line of text.
  - **#tab()**: Return a horizontal tab character.

- **ignore tabs and newlines** (built-in setting): During string comparisons, ignore horizontal tabs and newlines.

Enhancements to existing features

- **get device information** (built-in action): An additional argument, **unique id**, now retrieves a unique ID for the target test device.

Known Issues

- Mobile web apps may stop responding if the **tap** built-in action is applied to a given control; however, missing events are triggered on that control.
- On mobile web apps, automation playback fails to match a window if the **Interface Viewer** is not closed during testing.
- On mobile devices, automation playback hangs if JavaScript popups appear right after a web site is opened.
- When testing web apps in Chrome on Android with a Linux-based TestArchitect controller, automation playback speed is less than optimum.
- Android - Instrumentation tool sometimes hangs if multiple devices are attached to the host machine concurrently when it is launched.
  - o Solution: Manually kill the **ast.sh** process, and relaunch the Android - Instrumentation tool.

Resolved Issues

- Despite displaying properly in the test editor, non-ASCII Unicode characters are not displayed correctly in exported XML test results.
- In the event of a sudden power outage, recent edits to the project item in the active tab of TestArchitect Client may be lost if that item has not been checked in, despite having been saved.
- Occasionally, serial test runs on mobile devices report `WARNING: THIS TEST RUN WAS ABORTED` in test results, even though test execution completed successfully.

System Requirements

The following table lists the recommended hardware and software requirements for TestArchitect.

Recommended system requirements

	TestArchitect Client/Controller with small-scale Repository Server	**Production-scale Repository Server (up to 15 concurrent connections, 1GB repository)**
Operating system	Red Hat Linux 5.8 and 6.3	Windows 2008/2012 Server
RAM	4 GB	8 GB
HDD	At least 2.5GB available space	Available space of at least 2 GB plus total aggregate size of all databases
CPU	2 GHz dual-core or faster	3.1 GHz quad-core

Additional Resources

- For more information, please visit our website at *www.testarchitect.com* or email us at *sales@logigear.com*.
- On a system with TestArchitect installed, help is available at *Start menu > All Programs > TestArchitect > TestArchitect Help*.