



# TestArchitect™ 8.3

**Update 5**  
May 11<sup>th</sup> 2018

## Release Notes for Linux

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1850 Gateway Drive, Suite 175, San  
Mateo, CA 94404

**Phone** (650) 572-1400  
(800) 322-0333

**Fax** (650) 572-2822

**Web** [www.logigear.com](http://www.logigear.com)

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**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 the same version.

# What's New in TestArchitect 8.3 Update 5

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

## TestArchitect Client

### New features

- **[Changing the TestArchitect command line's port](#)**. It not only resolves port conflict but also enable parallel test execution in Docker environment. By dedicating different ports to different command line interfaces, you can execute TestArchitect batch files on multiple containers residing within a single Docker host at once.
- **[Optimizing Java virtual machine parameters](#)** – **MaxMetaspaceSize**, **MinHeapFreeRatio** and **MaxHeapFreeRatio** ([Learn more](#))- for either TestArchitect performance or memory savings. These parameters, in general, control how garbage collection is performed by the Java HotSpot VM.

### Enhancements to existing features

- **Changing the test execution order**: TestArchitect allows you to explicitly specify a custom execution order of test module invocations. For more comfort, the test execution order can be changed in the [Execute Test](#) dialog box or in a given [static test suite](#).
- **Previewing the summary of a checkpoint failure or an automation warning/error**: You can quickly preview status of a checkpoint by selecting a specific checkpoint in the [local/repository](#) result list view and clicking its corresponding number of failures, warnings or errors. The first failure, warning or error of that checkpoint will be displayed in a tooltip.
- **Additional sections** for the test result [Summary](#) tab, which reports basic test run information and summarizes various aspects of the test.
  - **[Known Bug Summary](#)**: Reviewing test results can assist you in determining if and when JIRA bug issues on a JIRA server should be closed.
  - **[Failure/Error Summary](#)**: This section displays all failure, error, or warning encountered during the test run.
  - **[Log Information](#)**: This section displays the logging information from the report actions, that is, [report](#), [report check](#), [report warning](#), and [report error](#) in the test procedure.

- **Recent Run Duration** field supported in [test module list views](#): This field shows the most recent execution time of a given test module.  
Note that, **Recent Run Duration** is available, when respective test results are added into the repository.
- **Improvement for the [Lab Manager](#)**: **Host address** is added to the Lab Manger. A host address is composed of the IP address and port number of the controller machine.
- **[Editing Source ID](#)**. A Source ID that is the ID of a test case in an external tool ([Quality Center](#), [Team Foundation Server](#) or [Zephyr](#)) and is used for mapping purpose now can be modified quickly in a test case list view.
- **Generating batch file to [run on separate terminals](#)**: Activating this option forces your batch files to run on multiple terminals in a parallel manner.

## TestArchitect Automation

### New features

- New **control flow built-in** action provided:
  - [continue](#): Skips the remaining action lines in the current iteration of a loop and proceeds to the next iteration.

### Enhancements to existing features

- **Support for new exit codes**: Determines whether the overall final result status is [Not Finished](#) or not.
  - Possible values:
    - **complete**: The operation is successful.
    - **incomplete**: (Default) The operation is unsuccessful.
  - Affected built-in actions:
    - [exit test case](#)
    - [exit test module](#)
- **exit loop**, which terminates a loop immediately and moves to next action line following the loop, is capable of supporting all types of TestArchitect loops including:
  - [while – end while](#)
  - [repeat – until](#)
  - [use data set – repeat for data set](#)

# Repository Server

## Enhancements to existing features

- **Primary-replication repositories configuration:**
  - **Registering replication repositories** with the replica network by either hostname or IP:
    - **IP address:** IP address of your host machine. It should be used for registration when your replication machine has a static IP address.
    - **Hostname:** Name of your host machine. It should be used for registration when your machine has a dynamic IP address.
  - **Breaking primary-replication relationship:** A confirmation dialog appears to confirm if you really want to remove [replication](#) and/or [primary](#) repositories from the replica network.

## System Requirements

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

### Recommended system requirements

	<b>TestArchitect Client/Controller with small-scale Repository Server</b>	<b>Production-scale Repository Server (up to 15 concurrent connections, 1GB repository)</b>
<b>Operating system</b>	Red Hat 7.2, 6.6, 6.3 ( <a href="#">Learn more</a> )	Windows 2008/2012 Server
<b>RAM</b>	4 GB	8 GB
<b>HDD</b>	At least 2.5GB available space	Available space of at least 2 GB plus total aggregate size of all databases
<b>CPU</b>	2 GHz dual-core or faster	3.1 GHz quad-core

## Additional Resources

For more information, please visit our website at [www.testarchitect.com](http://www.testarchitect.com) or email us at [sales@logigear.com](mailto:sales@logigear.com).