# HPE ALM

Software Version: 12.50

## What's New

**Hewlett Packard Enterprise**

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# Chapter 1: What's New in ALM  12.50

This section provides an overview of the features that were introduced or enhanced in HPE Application Lifecycle Management (ALM) 12.50.

> **Tip:** For what's new in Performance Center 12.50, see "What's New in Performance Center 12.50" on page 8.

- "ALM Updates" below
- "ALM Web Client Updates" on page 6
- "Business Process Testing Updates" on page 6

## ALM Updates

### Integrating External Tests

ALM enhances your testing capabilities by enabling you to synch externally executed test results with ALM. Automation tests executed by Jenkins or other testing frameworks will be integrated into ALM along with the latest test runs, giving quality teams comprehensive quality coverage. When working with Jenkins, this integration enhances the Continuous Testing process.

ALM provides two methods for synchronizing your results with ALM:

| | |
|---|---|
| **Synchronizing results from Jenkins** | After configuring Jenkins to synch results with ALM, each time you run a job from Jenkins, the external results are synchronized automatically with ALM. |
| **Synchronizing results by external testing tools** | When working with an external testing tool, you synchronize an external result file to ALM by manually importing the file to ALM. |

For details, see Integrating External Tests.

### Client Side Deployment

The ALM Client is deployed once for each ALM version. When client download begins, the ALM Platform loader compares the ALM version on the server with the ALM version on the client machine, and only deploys the client if the versions are not the same. As a result, you can now install ALM in advance. For example, you can:

1. Install the new version of ALM or the new patch on your staging server.
2. From your client machine, link to the staging server. The new ALM Client is now deployed on your client machine.

You can then continue to access the production server, working with the old ALM Client. When the production server is upgraded to the new version of ALM, each client machine automatically works with the new ALM Client.

Also, you no longer need to specify additional servers in the MSI Generator to have a single MSI available for multiple ALM servers.

### Data Hiding

Certain critical fields in ALM cannot be hidden. These fields are marked with a plus sign in Project Customization.

### Add Images to Memo Fields

You can add images to ALM records. You can attach an image, a snapshot of your application, or items from the Clipboard. You can add images to any memo field of an entity that support attachments, such as the **Description** and **Comments** sections of a defect.

### New Snapshot Tool

You can capture, edit, and attach images of your application to ALM records using the Snapshot tool.

### Locking Out Users

The ALM site administrator can lock out a user who invalidly attempts to log in. When a user is locked out, the user's status is set to **Inactive**. You can then activate the user, or set a time period to automatically activate the user and end the lockout.

### Global Search

A powerful global search engine enabling you to search across all or a specific ALM module. It includes the following modules: Defects, Requirements, Tests, Test Sets, and Analysis.

For installation details, see ALM Global Search.

For user interface details, see Global Search Window.

### System Requirements Updates

- Operating system service packs and updates are supported, provided they are compatible with the vendor's general availability release.
- Database server' service packs and updates are supported, provided they are compatible with the vendor's general availability release.

### New ALM Robot Tool (12.50 Patch 1)

ALM Robot is a tool embedded in Site Administration that supports the following activities:

- **Project upgrade.** Upgrades multiple ALM projects in parallel to your new version of ALM.
- **Undo checkout.** Reverts version controlled projects to their state prior to the check out. This activity is especially useful as a centralized approach to managing version controlled entities.

Performing these activities manually can be time-consuming and complicated, especially for a large number of projects. ALM Robot streamlines and automates these activities, enabling you to process a selected number of ALM projects in parallel. ALM Robot supports running activities from ALM/QC 11.52 and later.

For details, see ALM Robot.

**Integration with Lean Functional Testing (LeanFT) (12.50 Patch 1)**

You can now manage and run LeanFT tests from ALM. For details, see the *HP Lean Functional Testing Help Center*: Manage and run LeanFT tests from ALM 🔁.

**Online ALM Help Center (12.50 Patch 1)**

The ALM Help Center is now available on the Web, providing easier access and more up-to-date user assistance. By default, all the help buttons open the online help. To use the local Help Center, if your organization does not allow internet access, set the site configuration parameter USE_LOCAL_HELP to 'Y'.

# ALM Web Client Updates

Web Client is targeted for release as part of our next major release cycle. If you are using the 12.00, 12.01, 12.20, or 12.21 Web Client you will need to remain on those versions in order to keep working with the Web Client, as it is not available for version 12.50.

# Business Process Testing Updates

**New Run Condition Option (12.50 Patch 1)**

If an entity does not meet run condition criteria, you can now instruct ALM to go to any subsequent component, flow, or group. This is in addition to the current run and skip options. For details, see the information about run conditions' "Else" on page 1.

**Samples for creating graphs for Business Process Testing metrics (12.50 Patch 1)**

For detailed samples of how to create graphs for Business Process Testing framework metrics, see HP Software Self-solve knowledge base article KM01998159 (http://h20230.www2.hp.com/selfsolve/document/KM01998159).

**Extended View for Test Script Tab**

- You can view information in the Test Script tab's grid view using the new extended view. This enables you to see a more comprehensive view of test components without clicking additional links. The additional information you can see include:
  - Snapshot thumbnails, instead of an icon.
  - Separate columns for input and output parameters, which include parameter names and if only one iteration, the value for the parameter.
  - Links between input and output parameters, without having to open the I/O Parameters dialog box.

Additionally, when working in extended view, you can adjust row heights for your convenience.

For details, see "Test Script Tab for Business Process Testing" on page 1.

# Chapter 2: What's New in Performance Center 12.50

This section provides an overview of the features that were introduced or enhanced in Performance Center 12.50. For details on using Performance Center, refer to the *HPE ALM Performance Center Guide*.

> **Tip:** For what's new in ALM 12.50, see What's New in ALM .

- "Performance Application Lifecycle (PAL)" below
- "Improved Network Virtualization (NV) integration" below
- "Improved Service Virtualization integration" below
- "Noise Generator Scripts " below
- "Uploading VuGen Vuser Scripts" on the next page
- "Script Runtime Settings Updates" on the next page
- "Copying Monitor Profiles" on the next page
- "What's New in Performance Center 12.50" above
- "VuGen Enhancements" on the next page

## Performance Application Lifecycle (PAL)

The improved PAL feature allows for complete end-to-end testing and DevOps feedback. Users can accurately compare performance test results with real production data benchmarks. Analysis of these results provides a framework to assist you in creating performance test scenarios to resemble realistic environments as closely as possible, which reduces test assumptions and risks.

## Improved Network Virtualization (NV) integration

The NV integration includes a range of usability improvements and enhancements.

- Ability to integrate NV virtual locations in the end-to-end testing in PAL.
- Ability to install NV during the Performance Center installation.
- Unified licensing management (Performance Center and Network Virtualization).

## Improved Service Virtualization integration

Improved Service Virtualization dialog box for configuring services before the test run.

## Noise Generator Scripts

New noise testing capabilities, allowing you to run a simple noise test alongside standard Vuser scripts. The noise test performs basic load testing without an actual business process.

**Uploading VuGen Vuser Scripts**

When uploading scripts to Performance Center, you can now upload more than five script at a time.

**Script Runtime Settings Updates**

When uploading VuGen Vuser scripts to Performance Center, Performance Center updates the runtime settings of the uploaded scripts, as follows:

- Under **General > Log** view, the **Enable logging** option is not selected by default.
- Under **General > Think Time**  view, the **Replay think time as recorded** option is selected by default.
- Under **General > Miscellaneous** view, the **Generate snapshot on error** option is not selected by default.

**Copying Monitor Profiles**

When managing monitors, you can now copy a profile to another monitor.

**VuGen Enhancements**

Usability improvements for LoadRunner's VuGen. For example, JavaScript language support for Web - HTTP/HTML protocol.

# Send Us Feedback

Let us know how we can improve your experience with the What's New.

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