



HPE LoadRunner and Performance Center software

What's new in version 11.52



Deliver applications faster

This new version of HPE LoadRunner and HPE Performance Center brings you enhancements in performance, usability, and functionality to accelerate application delivery.

Performance has been tremendously improved compared to previous versions, to save you time and costs and to give you more time to execute the test while bringing the application to market faster. You can look for performance gains across various features of HPE Virtual User Generator (VUGen) and Analysis, including the overall scripting, step navigator, web snapshot, report generation, and calculation capabilities.

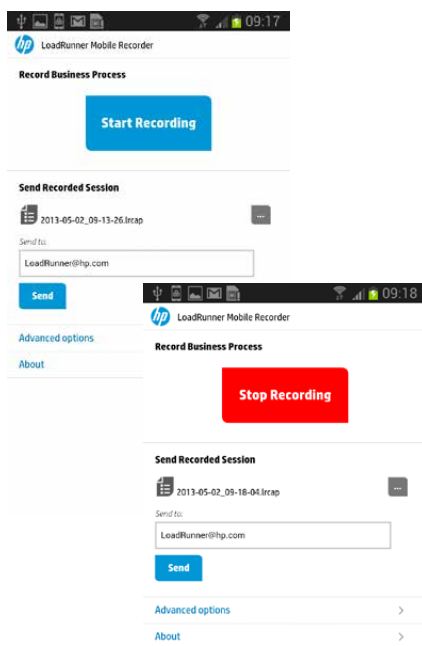
Among other enhancements in VUGen and controller usability and functionality:

- The Replay Summary Report now displays detailed statistics—for example, information on the connections, content types, and response codes.
- The run-time settings user interface has been improved.
- VUGen now integrates with Eclipse, enabling you to edit, debug, and replay Java-based scripts in Eclipse.
- HPE LoadRunner and Performance Center can be configured to use a round-robin method to ramp up the groups between all of the load generators.

Version 11.52 of HPE LoadRunner and HPE Performance Center software is designed to accelerate application delivery, enable innovation in mobile application testing, and simplify integration for developers. In addition, HPE LoadRunner and HPE Performance Center have been integrated with HPE Live Network (HPLN) to help bring the community together.

Increase business—deliver applications that perform on mobile devices

Download the new HPE LoadRunner mobile recorder app from the Android™ Google™ Play Store.



With the growth of mobile applications it is extremely important to understand how the application will perform and what risks of performance the mobile application brings to the data center.

Now you can test mobile applications whether they are built in house or by a third party, and whatever the platform may be. This means fewer applications will go untested, and you can cover a wider variety of mobile clients in each test scenario.

By virtualizing realistic network conditions, there are fewer assumptions that need to be made, making it easier to identify application performance bottlenecks.

In version 11.52, the mobile traffic recording has been enhanced as follows:

- With the new HPE Mobile Recorder applications, you can record a capture file on your mobile device.
- With the new Proxy recording feature, the VUGen machine acts as a proxy server capturing all the traffic between a mobile device and a target server.
- A new documentation guide describes how to select a recording method for mobile applications.

The latest Shunra™ network virtualization offers the following enhancements:

- Improved integration with HPE software to enable you to perform network virtualization per Vuser group and to define multiple locations per load generator
- New network virtualization graphs in Monitoring and Analysis
- Added support for shared or non-shared bandwidth that simulates mobile networks

Note: If you want to upgrade to version 11.52 and you use Shunra™ Network Virtualization, you will need to upgrade to the latest version of the Shunra™ software.

Enable agile performance delivery

Time to market is a key to business success. More and more companies are embracing agile software development to accelerate application delivery. In this process, performance testing can be a challenge if not started earlier in the development lifecycle.

HPE LoadRunner can now be used to test earlier in the application lifecycle by leveraging unit tests from the developers, rather than waiting on the completed application to begin testing. Version 11.52 provides add-ins for the most popular development environments and a continuous integration framework that removes the silos separating developers and performance engineers.

Support for NUnit, JUnit, and Selenium tests¹

The ability to run unit tests within a scenario enables you to test earlier and more often, and leverage work already done during development rather than scripting from scratch.

- You can now load an NUnit, JUnit, or Selenium test when you create a new scenario in the controller.
- NUnit, JUnit, or Selenium tests can be executed in a scenario in a similar manner to regular VUGen scripts.
- Integration with DevTools helps you test and detect performance issues in earlier development stages.

Virtual Table Server (VTS) utility

With the all-new Virtual Table Server, HPE LoadRunner and HPE Performance Center provide a centralized store for performance testing data that spans the lifecycle. A web-based add-in installed on a standalone server enables you to:

- Work with Vuser scripts, offering an alternative to standard parameterization
- Assign parameter values from a single set of parameter values to multiple Vusers
- Import parameter values into a tabular format—your Vuser scripts can use these parameter values
- Leverage a methodology where test data can be managed on a single server

Visual Studio 2010 and Eclipse add-ins for developers

The Developer add-ins for Microsoft® Visual Studio® and Eclipse IDEs allow your development team to create performance testing scripts in a familiar environment. Add-ins enable you to:

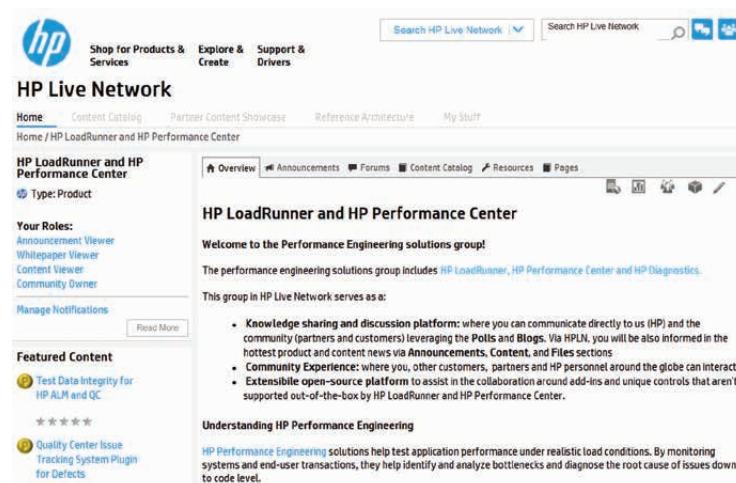
- Create unit tests from your standard development environment
- Use an API to create unit tests that can be incorporated directly into a scenario
- Run tests directly from Visual Studio 2010 or Eclipse, emulating execution from the controller

Jenkins Continuous Integration (CI) Server

The Jenkins CI Server plug-in enables performance tests to be run automatically after each application build is checked in, requiring less manual work to set up each test. It allows triggering a scenario as a build step, and presents its results in the Jenkins Results dashboard.

The plug-in can be downloaded from the Jenkins site.

Share and learn faster



¹ Currently available for HP LoadRunner 11.52 only.

Data sheet

Additional support to IPv6

Webtrace-IPv6 support monitors for Linux have been added for ICMP, TCP, and UDP.

Windows® 8 and Internet Explorer® 10 support

Support has been added for Windows 8 and Internet Explorer 10.

Chrome support

Chrome™ support for the Web HTTP/HTML protocol has been added for recording, along with additional browser emulation features during script replay.

In this version of the software, HPE Live Network integration with VUGen is being introduced to the performance testing community. HPLN provides you with additional software content, drivers, and information about your HPE Software products.

With this integration, performance engineers will be able to seamlessly search for solutions and leverage the power of the performance testing community. The HPLN allows:

- Downloading function/action files, data format extension files, and correlation rules and directly integrating them into VUGen
- Uploading function/action files, data format extension files, and correlation rules

Expand the performance test footprint to modern platforms

Added Linux distributions

The Load Generator can now be installed on the following Linux distributions:

LINUX DISTRIBUTION	VERSION SUPPORTED	ARCHITECTURE	SUPPORTED FROM
Red Hat Enterprise Linux	5.0/6.0	x86	9.x onwards
Red Hat Enterprise Linux	5.0/6.0	x64	11.52
Oracle Enterprise Linux 32-bit	5.0 RH/6.0 RH	x86	11.52
Oracle Enterprise Linux 64-bit	5.0 RH/6.0 RH/6.0 UEK	x64	11.52
Ubuntu Server	10.04 LTS/12.04 LTS	x86/x64	11.52
Amazon Linux Image	2012.03 or later	x86/x64	11.52

Protocol enhancements

DPE, Java 1.7, PeopleSoft 9.1, RDP, Flex, Citrix, and SAP

Browser support enhancements

- In Run-Time settings, browser emulation support for Internet Explorer 10 has been added.
- Replay support for Internet Explorer 10, even when a proxy server is used, has been added.
- Support for web_js API functions for Web Vusers on Linux has been added.

Using the proxy recording feature, you can record a Web HTTP/HTML script on machines where it is not possible to load VUGen—for example on a Linux machine or a mobile device.

For further information on system requirements, visit hp.com/go/PCLR_SysReq.

For more information

Data sheets and white papers: hp.com/go/loadrunner

HPE Community: hp.com/go/swcommunity

HPE LoadRunner Blog: hp.com/go/lrblog



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