



Hewlett Packard
Enterprise

Simple, smart, and scalable

HPE StormRunner Load delivers agile load testing via the cloud





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Modern software development projects are nimble and fast, and they demand a smarter approach to agile performance testing. That's Hewlett Packard Enterprise StormRunner Load. This cloud-based load-testing service makes it easy to plan, run, and scale your testing for web and mobile apps. It's the simple, smart, and scalable approach to modern testing.





The load testing challenge

Even in today's fast-moving agile testing and development environments, software load testing should never be an after-the-fact activity. To deliver high-quality software on time, your development team needs to integrate load testing into your sprints—so you can identify and resolve issues before applications or updates go live.

That's the ideal world, anyway. The reality on the ground is something else. In too many cases, application delivery teams don't weave load testing into the full fabric of the agile testing process. This avoidance of testing stems from a perception that the tools are too complicated and that testing takes too much time. There are also the inevitable issues with the lack of availability of performance engineers, the lack of access to load-testing tools, and concerns about the costs of testing.

But this is all an old story. Today, with the arrival of HPE StormRunner Load, your software delivery team has easy access to cloud-based load testing resources that are always just a click away.

“QA teams are still engaged too late in the application development lifecycle, which contributes to the increase of testing's share within IT budgets to manage operational and quality inefficiencies.”

—Capgemini, Overview of World Quality Report 2013–14



Start your
load test in

<10

minutes

HPE StormRunner Load

With its smarter approach to testing, HPE StormRunner Load makes it easy to plan, run, and scale your testing for web and mobile apps. HPE StormRunner Load is a 100 percent cloud-based load-testing service that supports web and mobile protocols. It is at once simple, smart, and scalable.

Simple

HPE StormRunner Load makes it easy to design and create load tests. From the point at which you sign up for the service, you can start your first load test in less than 10 minutes.

With HPE StormRunner Load, your agile performance testing team can now start load testing in the cloud much earlier in the project. Your developers don't have to wait for performance engineers to become available for testing. They can run tests for themselves, in the course of each sprint, to accelerate the velocity of your project and the quality of the released software.

Brochure



Gain visibility into your app's performance as more users are added.

Smart

HPE StormRunner Load is smart. It uses predictive analytics to help you understand anomalies and problems in real time. With the benefit of intuitive analytics, you can easily interpret the test results to identify the performance profile of the application and then determine your mitigation options.

In the testing process, HPE StormRunner Load captures valuable metrics on how your application behaves under different virtual user loads. There are over 20 different analytical charts and graphs that can help you quickly find performance issues.

Scalable

StormRunner Load can scale to HUGE. It automatically enables you to scale your load-testing solution to more than 1 million virtual-user load tests.

With a self-driving test lab at your disposal, your teams don't have to waste time and energy managing your testing infrastructure. It's automatically created on demand to meet the needs of your specific test, saving your team time and money.

Cloud testing that's in step with agile processes

HPE StormRunner Load is an ideal cloud load-testing solution for your fast-moving agile development processes. Here's why:



Integration—HPE StormRunner Load enables you to integrate tests with your continuous integration (CI) server, such as Jenkins, Hudson, or TeamCity. This integration allows your agile testing and development teams to run performance tests as part of their builds in an easy, automated manner.



Ease of use—With the intuitive features of HPE StormRunner Load, anyone on your application delivery team can now perform load tests—including developers, QA specialists, and project managers.



Speed—With the cloud-based resources of HPE StormRunner Load, you can quickly create and maintain tests to accelerate the velocity of your software development project.



Scripting—The HPE StormRunner Load code-scripting tool (TruAPI) enables coding inside the integrated development environment (IDE). This capability allows your developers to contribute to test scripting efforts and get tests into their builds faster.

“Although agile methods are widely used across all industries, many organizations still struggle to implement a good testing approach that fits with the principles of agile development.”

—Capgemini, Overview of World Quality Report 2013–14



Take your pick: three ways to create a script

HPE StormRunner Load gives you three ways to create a load test script:

- **HPE TruClient** provides patented, intuitive, easy-to-use scripting from a browser. Just browse, record, and run. It's that simple.
- **HPE TruAPI** leverages a JavaScript-based scripting language to make it easier than ever to write your own scripts.
- **HPE vuGen** draws on industry-leading performance testing technology to help you create powerful transport-layer scripts of web and mobile apps.

Whatever route you take, you're working in an environment designed for developers. HPE StormRunner Load supports continuous integration processes and tools like Hudson and Jenkins to make it easy to automate and include agile load testing into your build processes.

“Only 30% of organizations have implemented any kind of mobile application performance infrastructure or strategy.”

–The Aberdeen Group, “First Class Mobile Application Performance Management,” August 2012



Get a closer look at how easy it is to get started with HPE StormRunner Load.

Watch demo.

Getting started is as simple as 1, 2, 3

With HPE StormRunner Load, you can initiate load testing with three simple steps. Here's one way to create a script:

1. Create an HPE TruClient script.
2. Design your TruClient script and add it to a load test.
3. Run your load test. With the self-driving test lab in HPE StormRunner Load, there's no need to configure load generators. HPE StormRunner Load does all the work for you in the cloud.

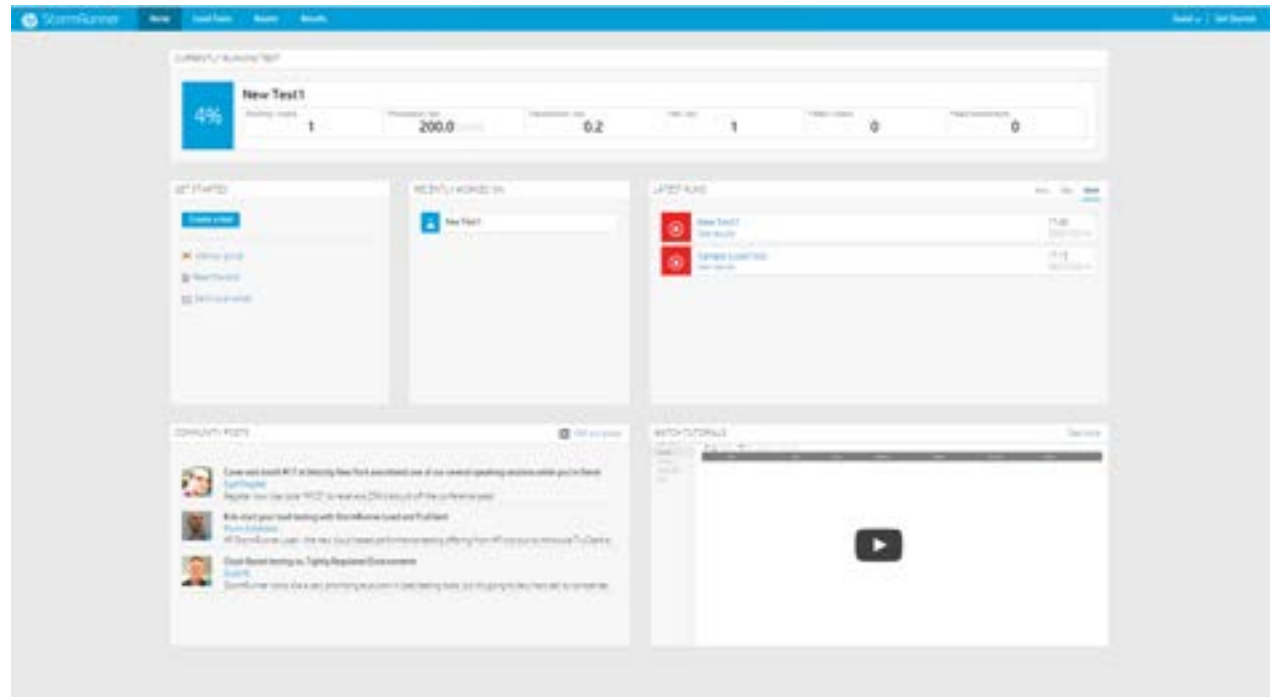


Figure 1. The exceptionally easy user interface in HPE StormRunner Load makes performance testing simple and intuitive.



Part of a suite of agile performance testing solutions

HPE StormRunner Load is part of a suite of market-leading HPE performance testing solutions. It extends the capabilities of the widely used HPE LoadRunner and HPE Performance Center products with a cloud-only solution focused on mobile and web testing in agile development environments.

To better leverage your existing investments, your development and test teams can reuse test scripts among the different solutions in the HPE performance testing suite.

Don't make quality an afterthought

With HPE StormRunner Load, it's easy and cost effective to incorporate robust cloud load testing into the full lifecycle of your agile testing and development processes. You can now look to the cloud to dramatically reduce the amount of time and skill required to create scripts and execute your tests.

That's the benefit of a simple, smart, and scalable approach to modern load testing.

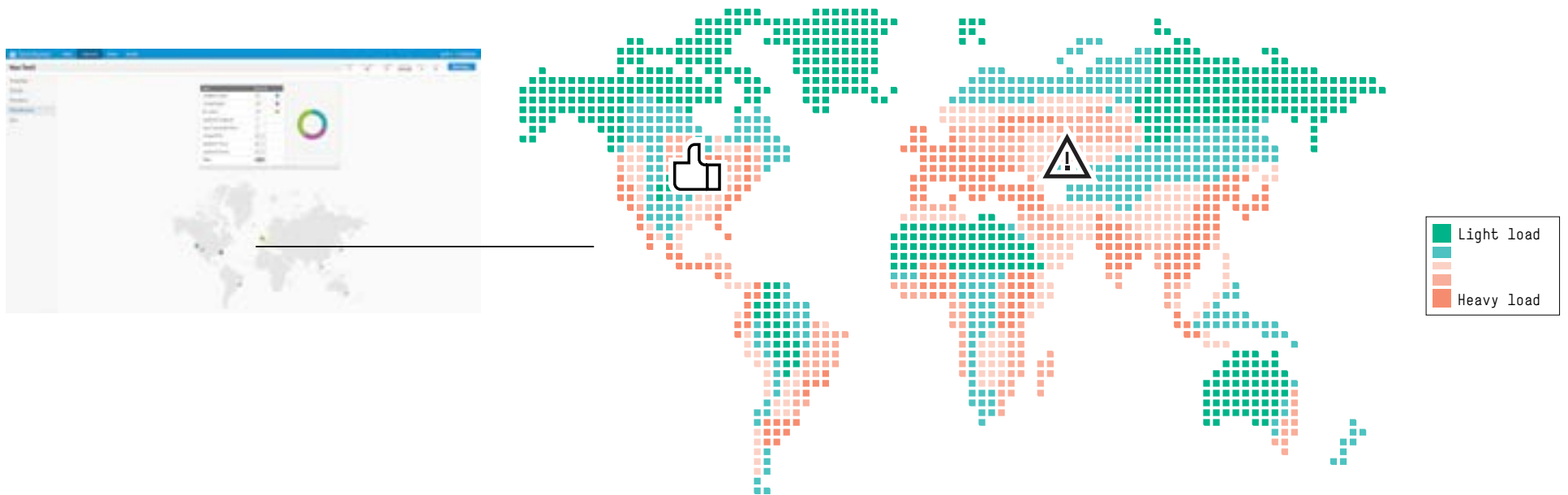


Figure 2. HPE StormRunner Load helps you understand how your app will handle varying numbers of users from different regions of the world

Key specifications

HPE STORMRUNNER LOAD

Application under test	The application under test should be an external-facing application that can be accessed from a public cloud/network.
Supported cloud vendors	<ul style="list-style-type: none">• Amazon• HPE Helion
Supported cloud regions	<ul style="list-style-type: none">• U.S. East• U.S. West• Europe• Asia• Australia• South America
Supported browsers	HPE TruClient works on Firefox browser
Supported languages	English
Operating location	United States

Let's get started

HPE StormRunner Load is available for self-service purchase via saas.hpe.com, an online portal for HPE Software.

Learn more at
hpe.com/software/srl



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