

LoadRunner Cloud

Software development projects are fast, and demand a smarter approach to agile performance testing. Micro Focus® LoadRunner Cloud is a cloud-based load-testing service that makes it easy to plan, run, and scale testing. Simple, smart, and scalable.

Product Highlights

The Load Testing Challenge

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.

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 mobile app and website load-testing tools, and concerns about the costs of testing.

But this is all an old story. Today, with the arrival of LoadRunner Cloud, your software delivery team has easy access to cloud-based mobile app and website load testing resources that are always just a click away.

LoadRunner Cloud

With its smarter approach to testing, LoadRunner Cloud makes it easy to plan, run, and scale your testing for web and mobile apps. LoadRunner Cloud is a 100 percent cloud-based load-testing service that supports web and mobile protocols.

Key Benefits

Simple

LoadRunner Cloud 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 LoadRunner Cloud, your agile performance testing team can now start mobile app and website 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. Your developers can use open source scripting tools like JMeter, Gatling and Selenium, or integrate with their CI systems such as Jenkins, Azure DevOps, Bamboo, AWS Code Pipeline and others to automatically run tests in the agile cycle.

While using LoadRunner Cloud, you don't need to manage and/or maintain infrastructure such as controller or load generator, the service is hosted in the cloud and it provides a self-driving test lab at your disposal, your teams don't have to waste time and energy in managing your test infrastructure, its automatically created on demand.

Smart

LoadRunner Cloud 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

Quick View

- Cloud-based solution allowing for quick infrastructure provisioning
- Enables you to scale load-testing solutions to more than 5 million web virtual users
- Easy to design and create load test
- Predictive and real time analytics with extensive reporting
- Integration with third-party tools
- Easy to use due to intuitive features
- Quickly create and maintain tests to accelerate deployment
- Leverage DevWeb a cutting-edge tool for web protocol performance and load testing

the test results to identify the performance profile of the application and then determine your mitigation options. In the testing process, LoadRunner Cloud captures valuable metrics on how your application behaves under different virtual user loads, it allows you to compare multiple metrics from both the same and old tests run as well as compare existing test run to a benchmark. LoadRunner Cloud provides robust, real time analytics, with extensive reporting capabilities.

By integrating with and non Micro Focus monitoring and analytics tools such as SiteScope, Dynatrace, AppDynamics and New Relic, you can measure hundreds of metrics in each test run.

Scalable

LoadRunner Cloud can scale to HUGE. It automatically enables you to scale your load-testing solution to more than 5 million virtual-user load tests.

The elastic cloud self-driving test lab provided by LoadRunner Cloud, can automatically create on demand dozens and hundreds of load generators within few minutes in over 20 cloud regions around the world.

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.

Key Features

Cloud Testing That's in Step with Agile Processes

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

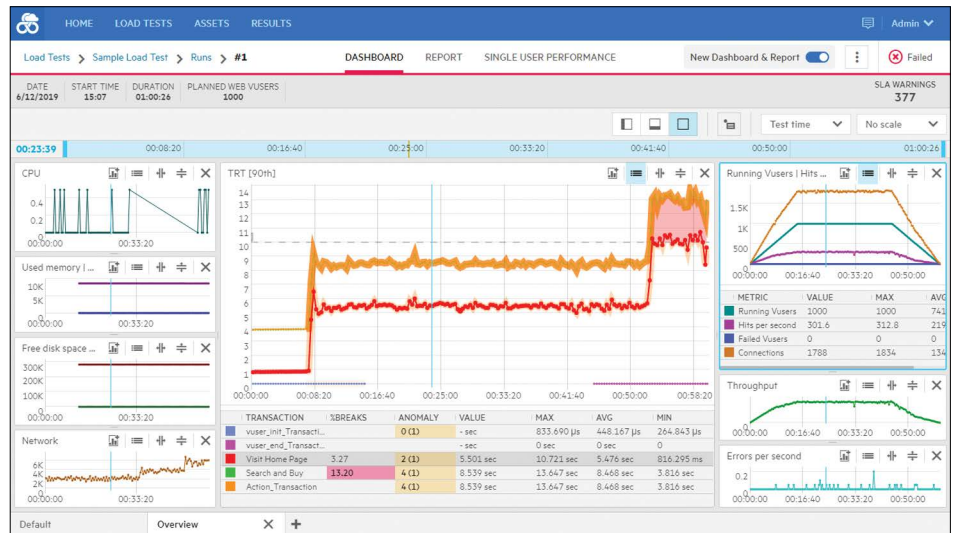


Figure 1. Dashboard Overview: LoadRunner Cloud provides real time measurements, including anomaly detection and problem isolation capabilities.

Integration—LoadRunner Cloud has a rich selection of third-party tools to integrate with: from continuous integration (CI) servers, such as Jenkins, Azure DevOps, Bamboo, and AWS CodePipeline, APM tools such as SiteScope, AppDynamics, Dynatrace and New Relic and with Git, Splunk, Network Virtualization (NV), and WebPageTest. This integration gives great flexibility and 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 LoadRunner Cloud, anyone on your application delivery team can now perform mobile app or website load tests—including developers, QA specialists, and project managers.

Speed—With the cloud-based resources of LoadRunner Cloud, you can quickly create and maintain tests to accelerate the velocity of your

software development project. LoadRunner Cloud has no tests concurrency limit, multiple tests can be executed by CI tools or real users at the same time.

Scripting—LoadRunner Cloud allows you to leverage existing LoadRunner Professional and LoadRunner Enterprise scripts, created in the best of breed scripting applications VuGen, TruClient and DevWeb, while also supporting third-party open source tools such as JMeter, Gatling and Selenium.

In addition, LoadRunner Cloud offers DevWeb, the latest cutting-edge tool for web protocol performance and load testing. DevWeb uses a new, innovative JavaScript SDK and engine that focus on the HTTP (transport) level. DevWeb is lightweight, scalable, and cross-platform that allows developers and testers to script in their favorite IDE

Take Your Pick: Three Unique Ways to Create Your Test

Besides scripting, LoadRunner Cloud offers three unique ways to create load tests without scripting:

- Provide a REST API to be tested
- Provide a CSV file, containing a list of REST calls
- Provide a HAR file, captured from any browser, containing the relevant HTTP traffic

Whatever route you take, you're working in an environment designed for developers.

Getting Started Is as Simple as 1, 2, 3

With LoadRunner Cloud, you can initiate load testing with three simple steps. Here's one way to create a script: Create and upload a load testing script using the above-mentioned LoadRunner or open source technologies.

1. Create and upload a load testing script using the above-mentioned LoadRunner or open source technologies.
2. Define the virtual users load schedule and select the cloud regions to execute the desired load.
3. Run your load test. With the self-driving test lab in LoadRunner Cloud, there's no need to configure load generators. LoadRunner Cloud does all the work for you in the cloud.

Comprehensive Performance Testing with Real Network Conditions

Network Virtualization is integrated LoadRunner Cloud. Network Virtualization lets you apply accurate network conditions during testing to uncover performance issues. The results are displayed in real time and summarized in a comprehensive client, network, and server-side breakdown report, along with optimization recommendations on a code level to quickly find and fix the problems.

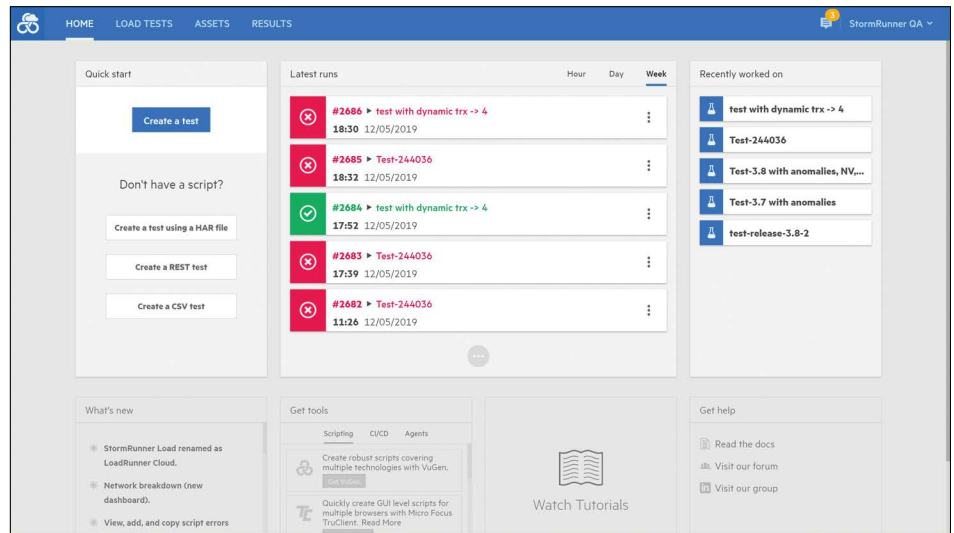


Figure 2. The exceptionally easy user interface in LoadRunner Cloud makes performance testing simple and intuitive.

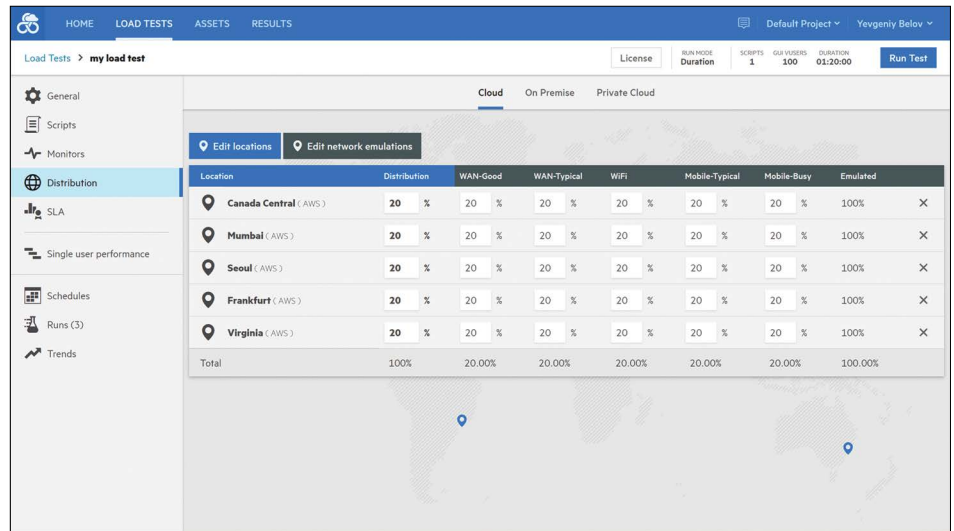


Figure 3. LoadRunner Cloud helps you understand how your app will handle varying numbers of users from different regions of the world.

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Key Specifications	Micro Focus LoadRunner Cloud	
Supported cloud regions for cloud load generators	Amazon Web Services: <ul style="list-style-type: none">■ US East (N. Virginia)■ US East (Ohio)■ US West (Oregon)■ US West (North California)■ Europe (Ireland)■ Europe (Frankfurt)■ Europe (London)■ Asia Pacific (Singapore)■ Asia Pacific (Sydney)■ Asia Pacific (Mumbai)■ Asia Pacific (Seoul)■ Asia Pacific (Tokyo)■ Canada (Central)■ South America (Sao Paulo)■ China (Beijing)	Microsoft Azure: <ul style="list-style-type: none">■ North Europe(Ireland)■ West Europe (Netherlands)■ North-central US (Illinois)■ South-central US (Texas)■ East Asia (Hong Kong)■ Japan West (Osaka)■ Canada Central (Toronto)■ London■ Melbourne
On-premises load generators	Use LoadRunner Cloud load generators to run load test on-premises on applications that cannot be access from behind your firewall	
Private cloud	Automatically provision on-premises load generator host with Docker Integration	
Supported browsers	Chrome, Firefox, Safari	
Hosting location	United States	
Security Program	Periodic reviews of security practices against industry standards such as NIST, ISO 27001 and SOC	
Supported protocols	JMeter, Gatling, Selenium, Web HTTP/HTML, TruAPI, Java, Mobile (Web), Web Services protocol, TruClient, DevWeb, MultiSAP Web + SAP UI, .NET MultiOracle + Web, Citrix, UFTPro, MQTT, Siebel	

Don't Make Quality an Afterthought

With LoadRunner Cloud, it's easy and cost effective to incorporate robust cloud mobile app and website 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.

Learn more at
www.microfocus.com/loadrunner-cloud