

Brochure

Application Delivery Management

Simple, Smart, and Scalable

Micro Focus® StormRunner Load: Cloud Based Load Testing
for Websites and Mobile Apps

Simple, Smart, and Scalable

Modern software development projects are nimble and fast, and they demand a smarter approach to agile performance testing. That's Micro Focus® StormRunner Load. This cloud-based mobile app and website 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

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.

"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

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

StormRunner Load

With its smarter approach to testing, StormRunner Load makes it easy to plan, run, and scale your testing for web and mobile apps. 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

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 StormRunner Load, 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 and Gatling, or integrate with their CI systems using Jenkins or AWS

CodePipeline to automatically run test in the agile cycle.

Smart

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, StormRunner Load captures valuable metrics on how your application behaves under different virtual user loads. StormRunner Load provides robust, real time analytics, with extensive reporting capabilities.

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

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.

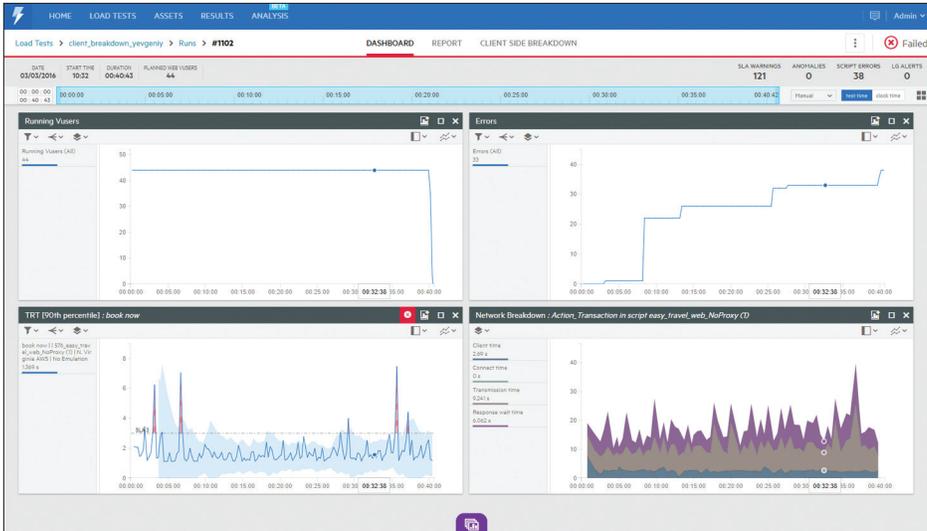


Figure 1. StormRunner Load provides real time measurements, including unique anomaly detection and problem isolation capabilities.

Cloud Testing That's in Step with Agile Processes

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

Integration—StormRunner Load has a rich selection of third-party tools to integrate with: from continuous integration (CI) servers, such as Jenkins, Bamboo, GIT to AWS CodePipeline, ALM Octane, AppDynamics, SiteScope, Dynatrace, New Relic, 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 StormRunner Load, 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 StormRunner Load, you can quickly create and maintain tests to accelerate the velocity of your software development project.

Scripting—StormRunner Load allows you to leverage existing LoadRunner and Performance Center scripts, created in the best of breed scripting applications VuGen and TruClient, while also supporting third-party open source tools such as JMeter and Gatling.

In addition, StormRunner Load offers the unique and innovative code based scripting tool—TruAPI, a node.js based scripting framework that allows developers and testers to script in their favorite IDE.

Take Your Pick: Three Unique Ways to Create Your Test

Besides scripting, StormRunner Load 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. StormRunner Load supports continuous integration processes and tools like GIT and Jenkins to make it easy to automate and include agile load testing into your build processes.

Getting Started Is as Simple as 1, 2, 3

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

1. Create a TruClient script.
2. Design your TruClient script and add it to a load test.

"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

"Only 30 percent of organizations have implemented any kind of mobile application performance infrastructure or strategy."

THE ABERDEEN GROUP

"First Class Mobile Application Performance Management" August 2012

- 3. Run your load test. With the self-driving test lab in StormRunner Load, there's no need to configure load generators. StormRunner Load does all the work for you in the cloud.

Part of a Suite of Agile Performance Testing Solutions

StormRunner Load is part of a suite of market-leading performance testing solutions. It extends the capabilities of the widely used LoadRunner and 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 Micro Focus performance testing suite.

Comprehensive Performance Testing with Real Network Conditions

Network Virtualization is integrated StormRunner Load. 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.

Don't Make Quality an Afterthought

With StormRunner Load, it's easy and cost effective to incorporate robust cloud mobile app and website load testing into the full life-cycle 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.

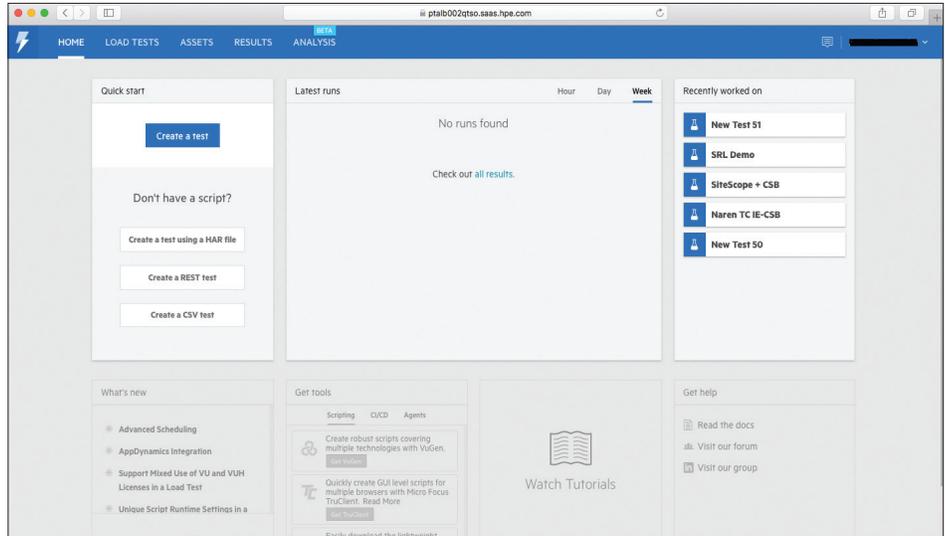


Figure 2. The exceptionally easy user interface in StormRunner Load makes performance testing simple and intuitive.

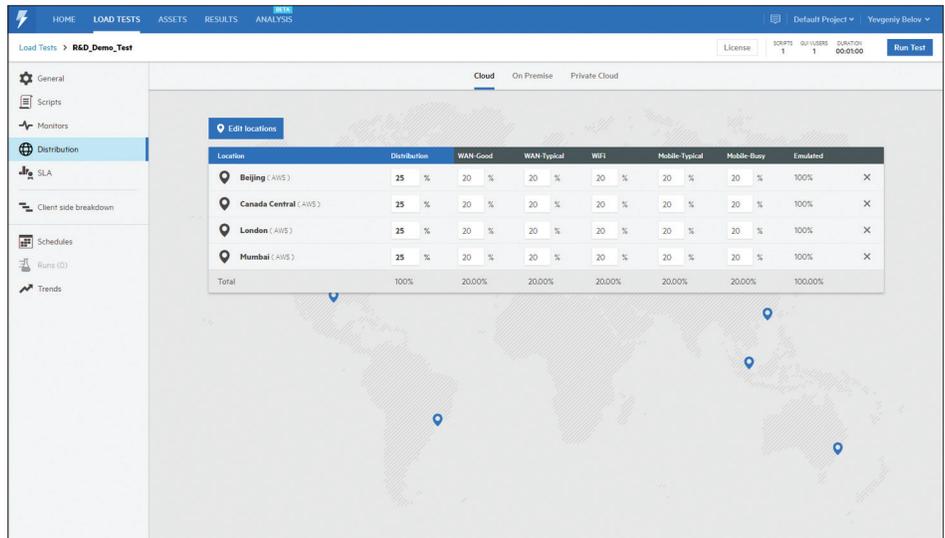


Figure 3. StormRunner Load helps you understand how your app will handle varying numbers of users from different regions of the world.

Key Specifications		Micro Focus StormRunner Load	
Supported cloud vendors	<ul style="list-style-type: none"> ■ Amazon Web Services ■ Microsoft Azure 		
Supported cloud regions	AWS	Azure	
	<ul style="list-style-type: none"> ■ US East (N. Virginia) ■ US West (Oregon) ■ US West (North California) ■ Europe (Ireland) ■ Europe (Frankfurt) ■ Asia Pacific (Singapore) ■ Asia Pacific (Sydney) ■ Asia Pacific (Tokyo) ■ South America (Sao Paulo) ■ China (Beijing) ■ Mumbai 	<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 	
Private cloud	Automatically provision on-premise hosts with Docker integration		
Supported browsers	Internet Explorer; Microsoft Edge; Chrome; Firefox; Safari		
Supported languages	English; Russian; Chinese; Japanese		
Operating location	United States		
Security Program	Periodic reviews of security practices against industry standards, such as NIST, ISO 27001, and SOC		
Supported protocols	JMeter, Gatling, Git, Selenium, Web HTTP/HTML, TruAPI, Java, Mobile (Web), Web Services protocol, TruClient, TruWeb, Multi SAP Web + SAP UI, .NET, Multi Oracle + Web, Citrix, UFTPro, MQTT, Siebel		

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www.microfocus.com/srl

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