

# HP Web Application Performance Testing Service



Agile and burst performance testing services for web applications by HP Software Professional Services

## Executive summary

As your organization grows, your technologies mature, and web- and mobile-based applications start proliferating, you may be asking yourself, how can we possibly performance test what we need to these days? You may find that you have hundreds of web and mobile apps to test or that you are now releasing apps at least twelve times a year and you can't keep up with software development, testing, and application delivery at such a pace. And then you need to surge your performance testing to over fifty thousand users to make sure that your flagship customer-facing website or app doesn't fail and receive a lot of bad press by making your customers very angry. HP can help—we can literally take a load off you!

The HP Web Application Performance Testing Service helps you with these specific, very real, and very serious challenges of performance testing, and application delivery. We can provide load testing to measure web application performance without you needing to hire more staff or install new tools. You simply need a subscription to HP StormRunner Load, and we can then provide regular performance testing services for agile web initiatives or burst testing to ensure that your web or mobile app scales to up to many millions of users. HP StormRunner Load enables load generation from a variety of global locations.

This service enables you to ramp up performance testing on your web and mobility apps whenever you need—leveraging HP's performance engineering skills, knowledge, and experience.

## Service overview

The HP Web Application Performance Testing Service enables your organization to access load testing capabilities to measure application performance and reduce the risk poor performance in production, and thereby improve the software development lifecycle process. The service includes:

- Script and scenario development for stress, agile, or burst testing as required
- Execution of the tests either as iterations or standalone
- Analysis of results and presentation of findings to you for validation and application remediation

## Benefits

### Scale to demand

This service lets you easily scale your performance testing activities up or down on demand, reduce the amount of effort you spend on micro planning, and increase your focus on producing more high-quality features for your web apps during software development. Flexible, easy-to-use, regular performance testing aligns with your agile initiatives and enables you to readily upsize the scale of load being tested on your web apps, to give you a better understanding of their tolerance to sudden bursts of transactions or user footprint. You can also increase the number of web apps you test concurrently.

### Reduce performance testing costs

Performance testing tools and people are resources that need to be managed carefully, and organizations often need to have extra resources and software capability on hand to ensure that they don't get caught unprepared. We help you reduce your costs by firstly eliminating your need to purchase a web app performance testing tool or extra software, as web testing capability is provided with this service. Secondly we give you access to a flexible, skilled team on hand to run testing when you need.

### Quality and reliability

Use our capability and strength in performance engineering across industry and technology. We have an available, mobile, expert workforce on call with the flexibility of offsite delivery that enables cost-effective service delivery for effective application lifecycle management.

## Service description

Development and execution of web app performance testing activities generally take a duration of five weeks. We can also tailor this approach to suit your specific timeframe.

The HP Team will typically deliver the following activities:

### Project preparation

- Conduct service kickoff meeting to review the expected project schedule, and identify and validate project roles and responsibilities
- Verify your readiness and schedule the HP Team to commence service activities

- Confirm that the application under test, the test environment, and test data are available and in a state fit for the HP Team to deliver this service
- Validate that licenses for HP StormRunner are available, as well as connectivity to the application under test
- Confirm the scenarios to be tested

#### Scenario verification

- Document the test scenarios, load test model, and load objectives
- Understand the application architecture and performance requirements
- Verify and adapt master test data that has been provided by you
- Sign off agreement with you of the load test objective, scenarios, and the load model

#### Test script development and testing

- Build scripts based on approved test scenarios, scope, and duration agreed between you and HP
- Refine further test data supplied by you
- Verify performance environment readiness and setup
- Execute agreed number of iterations of the performance scenarios. This may include scenario setup, test execution, and capture and analysis of results. We will provide documentation of findings

#### Handover

- Conduct a walkthrough with you of results, findings, and the report
- Hand over scripts, documentation, and results to you

HP can adjust this described approach to your needs. If you require something outside of what is described here, let us know and we can meet your requirements!

## The HP Software Professional Services difference

HP provides unmatched capabilities with a comprehensive set of Application Lifecycle Management consulting and implementation services. We have unique intellectual property that includes our ALM software to help you deliver high-quality applications faster and accelerate innovation. Take advantage of our expertise, proven successes, and value in providing web application performance testing for your enterprise:

**Expertise:** We have 1000+ strong, best-in-class performance test consultants worldwide. Our consultants are certified and have robust experience in a range of technologies, software, testing techniques, and industries.

**Successes:** We have an impeccable record of over ten years of executing performance testing and engineering engagements with our ALM software and services. We have executed over five hundred performance testing initiatives at over three hundred global customers.

**Value:** We have an available, mobile, expert workforce on call with the flexibility of offsite delivery that enables cost-effective service execution. We commit to providing high-quality services and outcomes.

Only HP Software Professional Services brings together consulting expertise and an industry-leading web app performance testing software to help you reduce your risk, increase your quality, and increase your release capability across the software development lifecycle.

## For more information

Contact your HP representative or email HP Software Professional Services in your region:

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