



# HPE Testing-as-a-Service

## Scale your testing consumption with elastic, industry-leading testing services

### Executive summary

In a world where user experience is everything and a late release or a buggy application will cost you serious business, your application delivery can make the difference between success and failure. With increasing pressure and demands, your application delivery capability is expected to handle more applications of increasing complexity, more releases, and operate within the context of DevOps. Pivotal to its success is a mature and flexible testing and quality capability that provides increasing automation, time to value, and cost efficiency, and, of course, is focused on user-experience outcomes. Sustaining a capability that provides these outcomes can be a challenge, but by partnering with HPE, we can help you succeed.

HPE Testing-as-a-Service (TaaS) delivers consumption-driven, cost-effective, testing services that reduce your application time to value, provides enhanced testing capability and improves the speed of your application delivery. This service will enable you to:

- Significantly reduce system outage risk caused by functional and non-functional defects
- Forecast consumption of testing services and control budget based on fixed-price testing deliverables
- Engage a professional, certified testing team and capability
- Deliver quality and testing services aligned to a DevOps approach

Throttle testing as you need it and rely on our proven skills and knowledge to increase velocity and quality while reducing the overall cost of testing.

### Service overview

The HPE TaaS supports agile, iterative and waterfall delivery models, and is offered in a variety of types including functional, performance, security, and mobility testing. We can also integrate our testing services to a number of other service offerings by HPE Services such as our DevOps solutions and Test Data Management. Regardless of the testing requirements, HPE TaaS gives customers a framework that incorporates:

- Trained, certified, and highly productive testing professionals who understand your testing platforms such as HPE Application Lifecycle Management (ALM) Performance Center, or UFT
- HPE enterprise testing methods, practices and accelerators
- Metrics and reporting to ascertain the benefits of the service as well as the quality of your applications

### Benefits

HPE offers TaaS to lower the cost of testing, improve time-to-market challenges, and minimize risk by delivering testing services through a flexible, outcome-based delivery model. By leveraging HPE TaaS, you can focus on the core/higher-value activities such as managing business outcomes rather than the engineering of testing. Let HPE help you scale to demand, reduce the cost of testing but not the delivery quality, and control and predict budget.

### Scale to demand

Scale your testing capacity up or down according your demand. HPE will help you manage your test supply and gear your

capability without a reduction in quality. Your agile initiatives can access flexible, easy to use, high quality, continuous testing while traditional initiatives can access consumption-based, measurable, and predictable testing services that can readily upsize the scale of testing according to demand. Let HPE manage the people and capability capacity of your testing service so that you can increase focus on producing a better user experience for your customers.

### Reduce testing costs without reducing quality

Delivering and maintaining your testing capability can be expensive. People must be managed, processes continuously improved, assets developed and enhanced, and tools supported. Although these all provide benefits to your application delivery, striking the right balance can be difficult. HPE, with its ALM consulting services, brings skilled practitioners and best-in-class frameworks to enable integrated, automated, targeted testing. We also have matured testing processes and practices that will interlock with your delivery capability in traditional or DevOps settings and encourage the shift of testing earlier in delivery cycles. We emphasize increasing test automation to increase test reuse and reduce test cycle time, thereby reducing testing costs significantly.

### Pay only for what you use

Predict and better govern testing costs with fixed-price ALM consulting services. We provide testing services for your initiatives from a fixed-price catalog. This enables the consumption of testing services with the knowledge of predictable costs and scoped outcomes. Our testing packages comprise labor, expenses, and other costs without any surprises.

## Service capabilities

HPE TaaS can be offered across a number of different types of testing. Among the capabilities we offer, to name a few:

- Functional testing including planning, test case development, execution, and automation
- Performance testing including planning, script and scenario development; load and stress test execution; and advice on performance engineering
- Security testing including planning, application code scanning, web site scanning, and security and vulnerability recommendations
- Mobility testing including planning, test case development, automation, and execution, as well as mobility recommendations
- Across all testing types, providing test supply management, governance and support for reporting, metrics, and defect management

Complementing these capabilities, we can also provide:

- Non-functional, API, service, and other forms of testing
- Requirements validation and management services
- Automation frameworks and accelerators (e.g. SAP) that can be geared to align continuous integration and testing with DevOps
- Service virtualization and data simulation for early “shift-left” testing where interfaces do not yet exist or are unavailable
- Test data management, tool support and management, and other test support activities
- Best practices and capability across the entire HPE Software Application Delivery Management suite including HPE ALM, Performance Center, LoadRunner, StormRunner, Mobile Center, Unified Functional Testing, Network Virtualization, Service Virtualization, Fortify, QAInspect, and WebInspect

## Delivering Testing-as-a-Service

The HPE TaaS offering is comprised of our industry-leading practices and approaches that we tailor to your particular testing needs. Each customer is different as are the applications being tested and application delivery approaches. Typically, however, we deliver the following activities in an HPE TaaS engagement:

### Confirm service prerequisites

Prior to the engagement of HPE as your testing-as-a-service partner, the following are confirmed:

- HPE and the customer confirm the various testing scope requirements including applications and types of testing
- The customer commits to providing capabilities to ensure that testable requirements are available
- HPE and the customer agree on the testing delivery model, the testing packages to fill the catalog, the minimum test demand that the customer will commit to, as well as the best-suited engagement model

These commitments and agreements combine to form the HPE TaaS blueprint that outlines the service catalog and the contractual framework for your tailored ALM consulting service.

### Testing-as-a-Service transition

Typically, each service requires a transition period to enable both the customer and HPE to construct the conditions to put the run-state engagement model in place. Activities in this transition include:

- Onboarding the HPE onsite service consultants and any customer stakeholders who will be supporting or consuming the services
- Establishing and providing access to the HPE TaaS catalog through our test supply/demand management desk

- Assist the application delivery organization in learning about the improved capabilities and services available through HPE TaaS for better consumption of the extensive shift-left testing features
- Establish pilot consumer initiatives to enable the organization to experience HPE TaaS and improve any customer-specific tailoring of the service

### Testing-as-a-service delivery

Testing delivery and supporting application delivery as a whole is the main purpose of TaaS. We run your testing, manage test supply based on your demand, and focus on optimizing test delivery value and quality. Testing delivery is based on scoped packages, and each engagement has a transparent set of expectations and outcomes associated with it. Testing packages can be applied for functional, performance, security and other types of testing and will be tailored according to your specific needs. This tailoring occurs as a part of the quality and testing discovery, and is then optimized during the service transition. Test packages may be granular or larger components, depending up on how you wish to consume our testing services. Activities involved with each testing package may include.

- Developing test plans or updating existing test plans
- Knowledge transfer for use cases, user stories, test sets, or test cases
- Developing and modifying manual, semi-automated, or fully automated test cases
- Executing manual test or automated test cases
- Preparing test data for test cases or test scripts via automation of test data generation (offered through our Test Data Management services)
- Advising with recommendations for application improvement, defects, and optimization
- Supplying test expertise in the context of agile or traditional delivery

## Service brief

HPE will also manage and assist planning for testing supply and demand. In this role, we provide a framework to:

- Govern the overall HPE TaaS engagement process
- Assist you with forecasting test demand
- Assist you with selecting the optimized packages for your testing
- Provide estimates and planning services
- Integrate testing delivery services with other capabilities such as continuous integration and testing or test data management and simulation.
- Provide metrics and reporting to cover HPE TaaS service levels as well as overall application quality and testing metric data

## The HPE Software Services difference

HPE provides unmatched capabilities with a comprehensive set of consulting and implementation services and unique intellectual property that help you manage the performance of enterprise applications, systems, and networks.

- Fast time-to-value: Our services get you up and running, with your applications monitored in a matter of weeks
- Proven HPE Software solution implementation expertise
- More than 20 years of experience helping large, complex, global organizations realize value from their HPE Software investments
- Rich intellectual property and unparalleled reach into product engineering

- Technology-agnostic implementation approach with no vendor lock-in, no rip-and-replace

- Education and support services to ensure adoption

Only HPE Software Services brings together consulting expertise and the industry-leading IT Performance Suite software to help you perform better.

## For more information

Contact your HPE representative or email HPE Software Services in your region:

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