

HP Performance Center software

What's New

Version 11.00

User features

Performance Requirements and Defects:

HP Performance Center now allows definition of performance requirements so that you can save your requirements such as service level agreements (SLAs) and throughput requirements with the project. As you run the test, you can also create defects to log the issues detected. In addition, there is now complete traceability between performance requirements and defects. Defects can be linked directly to a requirement, or to the performance test that covers it. You can see the exact status of a requirement at any given time.

Timeslots: The timeslot reservation user interface is now more informative and intuitive. It includes a new grid view and an enhanced calendar view with capabilities such as the ability to view complete details of timeslot reservations and view multiple reservations in parallel. Timeslot reservation has been made easier with a scheduling assistant that provides a clear indication of when requested resources are available. Automatch (virtual) hosts can be refined using host properties that provide more specific characteristics about the hosts that are needed. A maintenance timeslot can be scheduled by the HP Performance Center administrator in Lab Management to reserve hosts for maintenance tasks such as patch installations.

Application Under Test (AUT) Management:

This feature introduces the capability to manage an inventory of application under test (AUT) hosts. The AUT hosts can be grouped into AUT host pools, similar to HP Performance Center hosts and host pools. The AUT hosts are a core element of the new Topology and HP SiteScope software integration features. As such, they can be added not only in Lab Management, but also in the application lifecycle management (ALM) project itself.

Topology and HP SiteScope Integration:

HP Performance Center can now articulate the AUT topology (deployment view) and use it as an interface for defining performance monitors using the new integration with HP SiteScope. This gives stakeholders a visual representation of the environment, and allows

testers to deploy monitors using built-in monitoring templates. During the tests, performance issues are pinpointed by highlighting a topology node's status based on the HP SiteScope monitor threshold.

Performance Test Asset Management: The asset management capabilities of HP Performance Center have been enhanced, and now you can manage your assets in a hierarchical folder tree view, copy assets within and between projects, manage assets in libraries that are shareable between project, and use version control to track changes.

Administration and lab management

Project grouping and management: The new version of HP Performance Center provides the ability to group projects into domains based on various criteria. Project customization allows adding of fields and properties to existing entities, and project templates enable defining and maintaining a common set of customizations for multiple projects. Import and export capabilities provide easy archiving of projects.

Host management: There is now flexibility in the way hosts are assigned to projects and used in performance tests. Hosts can be assigned to multiple pools, and can be shared among projects. The new Host Properties feature allows definition and selection of host properties (e.g., location, central processing unit (CPU) power, software installations, etc.). These properties can be used when reserving timeslots to narrow down the allocated automatch hosts (previously known as virtual hosts).

Enhanced system health checks: The new Check Host and Check Server features enable tracking and maintaining the system's status. These periodic checks are run automatically and ensure constant monitoring of the system's key components.

High availability: HP Performance Center is based on the HP Application Lifecycle Management (HP ALM) platform, which supports multiple nodes. Multiple HP Performance Center servers with internal load balancing mechanisms can be added to provide full redundancy.



Protocols

Ajax TruClient: The Ajax TruClient technology is a new, browser-based Virtual User Generator (VuGen) to support modern JavaScript-based web applications, including Ajax. It is embedded in the browser, and provides interactive recording and scripting, which removes the need for programming during scripting. It gives you the ability to record and replay at various levels, from the graphical user interface (GUI) level down to the transport and socket level, depending on the skillset available and the level of customization required. This makes scripting easier, faster and more robust. It supports regular web applications as well as a large range of Ajax toolkits, and makes testing of Web 2.0 applications faster, easier and more comprehensive.

MS Silverlight: This new protocol supports Microsoft Silverlight-based applications. It generates high-level scripts by automatically importing and configuring Web Service Definition Language (WSDL) files used by the application.

Java-over-HTTP: This new protocol is designed to record Java-based applications and applets that can record and replay Java remote calls over HTTP.

VuGen

Data Format Extension (DFE): This allows the conversion of raw HTTP traffic into a maintainable and structured Extensible Markup Language (XML) format, and enables correlations by XPATH.

Correlation Studio: The web (HTTP/HTML) automatic correlation mechanism has been enhanced to search for possible correlations in the larger scope of snapshot data created during code generation, including data formatted by DFE.

HTTP Snapshot View: A new view for the web (HTTP/HTML) protocol scripts enables viewing complete HTTP traffic in both raw and DFE-generated formats.

Analysis

Reporting: New multi-level reporting capabilities provide fully customizable report templates that allow you to control the content and format of a report,

so that you can have different report templates for various stakeholders depending on the type of information they need to see. Reports can also be exported to different formats, such as Word, Excel, PDF or HTML for any reporting purpose. Reports can be generated automatically upon the creation of analysis data.

Service Level Agreement (SLA): New SLAs for transaction percentile have been added. Also, users now have the ability to set decimal threshold values in SLAs.

Usability: Many improvements have been made on the usability of analysis. Users will now have the ability to filter the graph legend, data or raw data by any column by using wildcards and “like” statements before opening the graph.

Integration with HP ALM

The new version of HP Performance Center is built on the HP ALM platform. This gives users the ability to integrate and merge it with their existing HP ALM install. Once the two products are combined, users can see all their requirements and their defects in a single place and get full traceability. The benefit of this merge is a common dashboard that shows the exact status and quality of a project across the entire lifecycle, including functional, non-functional and performance testing.

New supported environments

- Windows Server 2008 SP2
- Windows 7
- Internet Explorer v8.0
- 64-bit compatibility*

For more information

Data sheets and white papers:

www.hp.com/go/performancevalidation

HP Community: www.hp.com/go/swcommunity

*All functions supported on 64-bit operating systems, except recording with VuGen

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