Hewlett Packard Enterprise

Data sheet

HPE Application Performance Analytics

Network virtualization for software testing

Enable precise network performance testing scenarios

HPE Network Virtualization solutions are designed to enable precise testing scenarios that deliver highly accurate and reliable performance results. Effective insight and analysis of those results are critical to affect meaningful and cost-effective application or infrastructure change.

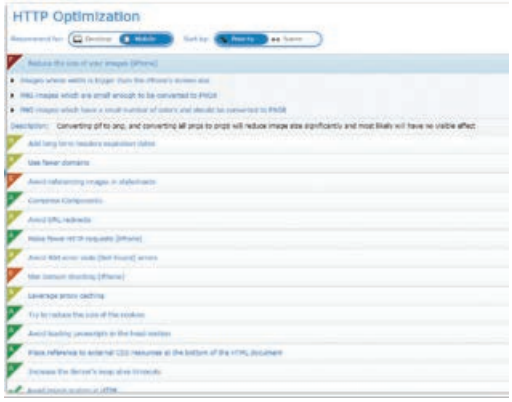
HPE Application Performance Analytics empowers your performance team with a comprehensive solution for analyzing poorly performing business transactions and drilling down into the root cause of performance issues. In addition, HPE Application Performance Analytics delivers automated and customized suggestions for optimizing your website and mobile application performance.

Web and mobile analysis. HPE Application Performance Analytics enables rapid analysis of transaction response times.

Web and mobile application performance analysis

A waterfall diagram provides a visual look into individual resource sizes and load times, enabling rapid analysis of transaction response times and giving you the ability to quickly identify areas for optimization. These deep-dive capabilities provide visibility into how the end user experiences an application or page load, including insight into client-network server timing by sub-transaction.

Whether you are analyzing web-based, mobile web-based, or native mobile applications, this information is critical to understanding the end user's perception of performance and where your optimization efforts need to be focused.



Automated optimization recommendations. HPE Application Performance Analytics provides a transaction scorecard.

Automated optimization recommendations

In addition to providing per-resource data through web and mobile analysis, HPE Application Performance Analytics delivers a transaction performance scorecard that automatically grades application performance and offers custom performance optimization suggestions based on industry-accepted and proprietary rule sets.

These performance optimization suggestions are proven to improve the load time of mobile-optimized sites by nearly 20% and standard websites by up to 44% when viewed on an iPhone. With comprehensive HPE analysis capabilities, reliable and fast identification of bottlenecks and specific recommendations for performance optimization help you deliver applications that live up to the expectations of your users.

Transaction analysis

The ability to deliver enhanced performance information on each transaction allows your performance monitoring team to quickly isolate the root cause of performance problems. HPE Application Performance Analytics includes the following reports to enable rapid analysis and problem diagnosis:

- A transaction analysis report shows how resource intensive a transaction is and enables comparison with other applications that are consuming the same network resources.
- A bandwidth bottleneck report identifies throughput and bandwidth utilization for each transaction.
- A network and application error report highlights all application-related errors and isolates problem areas, such as caching issues, unutilized buffer size, and other functional problems for remediation.
- A breakdown analysis of infrastructure shows the duration of time an application spends on the server, the client, and the network, helping to pinpoint bottlenecks in the application infrastructure.

Network traffic analysis

HPE Application Performance Analytics also helps your application performance management team diagnose and resolve issues in a multi-protocol network environment, presenting a comprehensive and high-level overview of network traffic. From this overview, you can drill down to gain access to more detailed information.

Transaction management. HPE Application Performance Analytics includes transaction management agents designed for use with script/load tool generators.

Transaction management

HPE Application Performance Analytics includes transaction management agents that run on the same platform as your script/load tool generators. A flexible API allows you to leverage and reuse scripts and to integrate transaction management and packet capture with HPE LoadRunner and third-party tools, such as Borland SilkPerformer® and IBM Rational®.

With HPE Application Performance Analytics, it is easy to incorporate flexible packet capture buffers into these automated test sessions and automate the correlation of business transactions with the resulting packets traversing the network. This transaction data is captured in an industry-standard format for further analysis with HPE Network Virtualization, or it can be easily imported into HPE LoadRunner or HPE Performance Center.

Learn more at
hp.com/go/nv

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