Deploy Applications Faster and Optimize Results on the SAP HANA® Platform

The Best-Run Businesses Run SAP™

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Enable a successful application deployment on SAP HANA®

The SAP HANA® platform promises exceptional transaction and analytic performance. But high performance requires more than blazing-fast computing technology. Testing applications that make use of SAP HANA prior to their deployment helps ensure that your entire IT environment delivers the performance gains you expect – and that your software users and executives demand.

For most IT organizations, testing applications prior to rolling out new technology is a top priority. If performance problems or defects aren't detected until after deployment, business productivity suffers until a fix is engineered, applied, and retested. The cost of a defect after deployment can range from a minor annoyance to millions of dollars per hour in lost revenue or productivity. By contrast, defects found and fixed before deployment have minimal impact on users, productivity, and the business overall.

Testing solutions from SAP can help ensure a successful deployment on SAP HANA. The SAP HANA application testing bundle by HP offers a quick-start solution to testing. It's a packaged offering that includes both the SAP® LoadRunner application by HP and the SAP Quality Center application by HP. These solutions accelerate and increase the effectiveness of testing efforts and are proven to reduce defect leakage. As a result, they lower the risks associated with IT changes.

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Accelerate every piece of the business – including testing

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Find the right solution for your needs

Automate testing for rapid application deployment

Deploy applications on SAP HANA with greater confidence

Achieving peak performance with SAP HANA often requires optimizing business processes, networks, servers, and even cloud components. But before this optimized environment goes live, it needs to be tested. Manually creating, executing, and cataloging tests and defects may get the job done. But in an IT and business environment that moves at SAP HANA speed, manual methods just aren't fast or efficient enough.

Testing applications that are powered by SAP HANA requires organizing, analyzing, and reporting on the testing effort. It calls for streamlined interaction with the developers who will fix defects found. It must answer key questions: What's the testing coverage percentage? How is the defect density trending? Are we nearly done testing, or do we have a long way to go? How does this project compare to others in terms of coverage, testing efficiency, and schedule?

The SAP HANA application testing bundle addresses all of these issues and more. The solution enables confidence that your entire IT environment is tuned to take best advantage of SAP HANA.

Realize the benefits of a structured approach to testing and quality to help improve the experience of rolling out applications on SAP HANA.

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The SAP HANA application testing bundle provides a customized, right-sized version of two industry-leading testing solutions – SAP LoadRunner and SAP Quality Center. It creates an affordable opportunity to benefit from a structured approach to testing and quality. It also helps protect your investment in SAP HANA by making application testing part of the plan.

The bundle supports:

- 25 virtual users plus one controller with access to SAP LoadRunner
- Three testers with access to SAP Quality Center, enterprise edition, test director module
- Three testers with access to SAP Quality Center, enterprise edition, business process testing module
- One tester with access to SAP Quality Center, enterprise edition, quick test professional module
- One tester with access to SAP Quality Center, enterprise edition, service test module

IT can use SAP LoadRunner to perform targeted load testing to help ensure that applications running on SAP HANA perform under different user-load scenarios. Administrators can use SAP Quality Center to run consistent tests to detect and troubleshoot defects in the applications. The bundle of these products is specifically geared to jump-start the testing of environments that leverage SAP HANA.

For enterprises with large-scale testing needs, full licenses are available for SAP LoadRunner and SAP Quality Center.

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The SAP HANA application testing bundle, and the solutions behind it, simplify and automate testing processes. The software enables the following:

- Automatic and iterative execution of tests across a wide variety of parameters, faster than humans can test
- Drag-and-drop, building-block method of creating test suites by linking together smaller test components
- Organized repository of tests and test suites so that they can be more easily found, identified, combined, adapted, and reused
- Ability to associate tests and test suites with business requirements so IT can prioritize tests according to business needs
- Automatic creation of defect cases for failed tests so that testers and developers can review the results, identify and fix the problem, and retest – while logging all of these activities in a defect case
- Aggregated analysis and reporting of test coverage, defects found, defects fixed, defects remaining, and quality trends for management reporting and planning
- Performance and stress testing in the same framework, enabling absolute performance testing of one transaction or stress testing of multiple simultaneous transactions under real, multiuser load conditions

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Deploy applications on SAP HANA with greater confidence

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There are several scenarios in which SAP HANA is typically deployed. These include replicating data to SAP HANA, running software with SAP HANA as the primary database, and performing custom development on SAP HANA. In each scenario, SAP solutions support application testing prior to going live.

When replicating data from the SAP NetWeaver® Business Warehouse (SAP NetWeaver BW) application or SAP Business Suite software to SAP HANA, our testing solutions can:

- Help ensure SAP HANA can handle the data load
- Identify and capture opportunities for business process improvement
- Validate migration, business process data, and performance gains
- Provide real-time reporting

When operating SAP NetWeaver BW or SAP Business Suite with SAP HANA as the primary database, our testing solutions can:

- Track specific requirements of data export
- Flag defects and track occurrences
- Automate data validation
- Track and identify business processes
- Test performance of business process data
- Manage support pack upgrades for SAP HANA

When supporting custom development on SAP HANA, our testing solutions can:

- Track requirements and defects of custom development
- Track code changes to requirements and defects
- Provide a full-stack testing solution for custom development
- Complement agile, composite, and hybrid cloud-development models

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Experience the benefits of a structured approach to testing

Experience the benefits of a structured approach to testing

SAP HANA application testing satisfies testing needs with a structured, repeatable, and auditable framework and toolkit. The result is fast, effective, and affordable testing that lets you deploy your solution more reliably and with considerably less risk.

SAP customers have been using SAP LoadRunner and SAP Quality Center for years. The solutions enable automated testing of your software environment for maximum performance and a streamlined implementation, which are important for fast-paced development environments.

This best-in-class testing technology from HP reduces test execution time. Fewer resources can accomplish more in less time, allowing experienced testers to focus on challenging test cases.

SAP HANA application testing helps IT departments identify and correct any defects prior to going live on the SAP HANA platform. This proactive approach helps minimize the risk and impact of business disruption that can often accompany new technology implementations. The solution helps identify application defects faster and earlier so they can be resolved more quickly.

Users hate defects, and so does your CFO. Test more in less time with fewer people to reduce defect leakage into production.

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Summary

The SAP HANA® application testing bundle by HP provides a customized, right-sized version of two industry-leading testing solutions – the SAP® LoadRunner application by HP and the SAP Quality Center application by HP. It creates an affordable opportunity to experience the benefits of a structured approach to testing and quality for a more reliable deployment of your applications on the SAP HANA platform.

Objectives

- Validate the integrity of your IT environment
- Reduce testing costs and use fewer people
- Prepare tests more easily
- Shorten release and upgrade schedules
- Handle patches, fixes, service packs, and version upgrades with ease
- Deploy and operate applications with confidence

Solution

- Automatic and iterative execution of tests
- Drag-and-drop, building-block method of creating test suites
- Organized repository of tests and test suites
- Automatic creation of defect cases for failed tests
- Aggregated analysis and reporting of testing processes
- Performance and stress testing

Benefits

- Reduced test execution time and number of testers
- Earlier and faster detection of defects
- Improved tester confidence with repeatable and reusable test scripts
- Lower total cost of ownership of applications powered by SAP HANA
- Reduced risk of business disruption

Learn more

Call your SAP representative, or visit us at www.sap.com/SAPQualityCenter and www.sap.com/SAPLoadRunner.

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