ORACLE APPLICATION TESTING SUITE - TESTING ACCELERATORS FOR SIEBEL

ORACLE ENTERPRISE MANAGER 11g

FEATURES

- Automates complex Siebel CRM transactions for both functional testing and load testing
- Supports both Siebel High Interactivity and Standard Interactivity application interfaces
- Integrates with Siebel Test Automation to greatly simplify script creation
- Provides custom test cases to validate application content
- Enables paramaterization of test scripts for data-driven testing
- Simulates loads of hundreds to tens of thousands of concurrent users while minimizing hardware requirements
- Gathers critical Siebel infrastructure performance metrics to identify bottlenecks under load
- Provides an intuitive Web-based console to configure and run load tests and share real-time results with distributed users
- Siebel Test Starter Kit with sample test scripts provided for Siebel 8.1.1

Oracle Application Testing Suite's Testing Accelerators for Siebel provide a comprehensive solution for ensuring the quality and performance of Siebel CRM applications. The Functional Testing Accelerator for Siebel extends Oracle Functional Testing to enable automated functional and regression testing of Siebel applications. The Load Testing Accelerator for Siebel extends Oracle Load Testing to enable load and performance testing of Siebel applications. The Testing Accelerators for Siebel are components of Oracle Application Testing Suite, the centerpiece of the Oracle Enterprise Manager solution for comprehensive testing of packaged, Web and service-oriented architecture–based applications.

Ensuring Siebel Application Quality

Siebel applications can represent a significant testing challenge for teams tasked with ensuring application quality and performance for new deployments or application updates. Oracle Application Testing Suite (ATS) provides a comprehensive and easy to-use Siebel testing solution that helps customers ensure the reliability of their Siebel deployments. ATS addresses the needs of Siebel test teams by providing testing solutions specifically designed for Siebel. Integrated with Siebel Test Automation and certified for Siebel 7.x and 8.x environments, ATS helps customers provide an effective solution for ensuring the quality and performance of Siebel CRM deployments.

Oracle Functional Testing and the Functional Testing Accelerator for Siebel provide an automated functional and regression testing solution to validate application functionality prior to deployment. Oracle Load Testing and the Load Testing Accelerator for Siebel provide a load testing solution to measure and tune application performance under real production workloads. Oracle Test Manager provides a solution for managing the test process including documenting test cases, test requirements and issues identified during testing in a central repository and managing test execution. Together, these products provide a comprehensive solution for ensuring Siebel application quality.

Functional Testing Accelerator for Siebel

The Functional Testing Accelerator for Siebel extends Oracle Functional Testing to provide an efficient and accurate way to automate functional and regression testing of Oracle's Siebel CRM applications. Oracle Functional Testing allows users to create test scripts that automate complex end-user transactions against their Web

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applications through an intuitive visual scripting interface combined with a powerful Java IDE. Users can validate application functionality, parameterize their scripts for data-driven testing and create regression suites to test new versions of their application in an automated fashion.

The Oracle Functional Testing Accelerator for Siebel extends these capabilities by integrating with Siebel Test Automation to simplify automation and validation of Siebel's rich client user interface components. Oracle Functional Testing supports both Standard-Interactivity (SI) and High Interactivity (HI) Siebel controls. It records user interactions with these controls to create automated functional test scripts as users interact with their Siebel application in the browser. It then provides custom test cases to validate Siebel application content during playback. With Oracle Functional Testing Accelerator for Siebel, users can effectively introduce automation into their functional test process to ensure the quality of their Siebel applications.

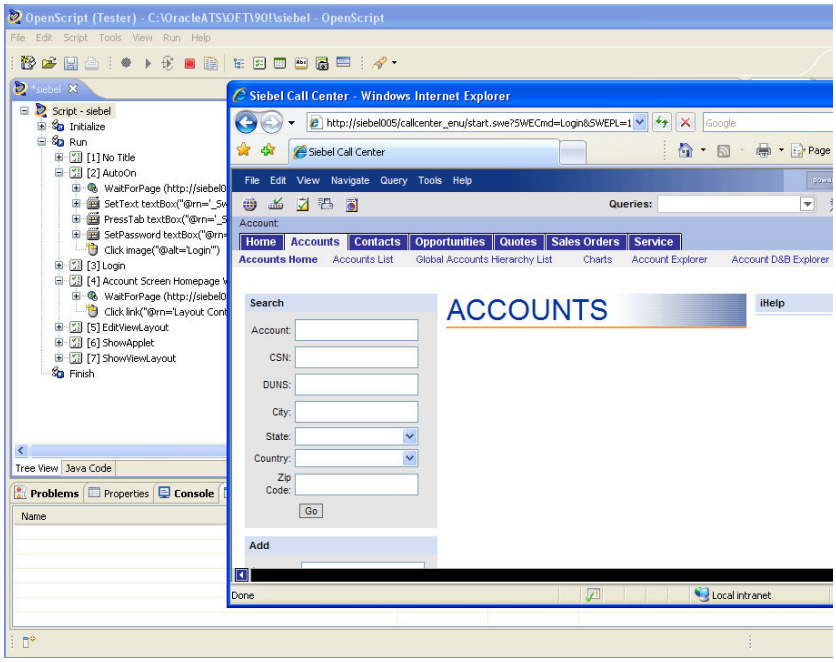

Figure1. Oracle Functional Testing automates Siebel functional and regression testing

Load Testing Accelerator for Siebel

The Load Testing Accelerator for Siebel extends Oracle Load Testing to enable automated load and performance testing of Oracle's Siebel CRM applications. Oracle Load Testing lets you simulate thousands of virtual users accessing the Siebel application simultaneously to measure the effect of user load on application performance. During performance testing, Oracle Load Testing measures end-user response times as well as the performance of the underlying application infrastructure to help you analyze performance and identify bottlenecks.

The Load Testing Accelerator for Siebel extends these capabilities by integrating

with Siebel Test Automation to simplify load script generation for Siebel's complex and dynamic Web transactions. Users create their test scripts in Oracle Functional Testing which integrates with Siebel Test Automation's Correlation Library to automatically identify dynamic Siebel requests and parameterize them to enable successful playback. This eliminates the need for manual correlation, which results in a dramatic reduction in scripting time. Oracle Load Testing then provides a Web-based console that allows you to configure and run these scripts across thousands of virtual users to assess performance. Oracle Load Testing's ServerStats module can also gather a variety of infrastructure metrics during the load test including database, middleware, and Siebel component statistics. With Oracle Load Testing for Siebel, users can leverage a powerful solution for ensuring Siebel CRM application performance.

Test Starter Kits

The Testing Accelerator for Siebel includes a Test Starter Kit for Siebel 8.1.1, providing example test automation scripts for functional as well as load / performance testing. The test scripts may be used as templates in order for testers to better understand how to script against Siebel applications or they may be modified to work against your own customized Siebel environment and speed up your testing process.

Comprehensive Testing for Siebel

Oracle Application Testing Suite provides a comprehensive testing solution for Siebel CRM application. With Oracle Functional Testing and the Functional Testing Accelerator for Siebel, users can effectively introduce automation into their functional test process to ensure the quality of their Siebel applications and reduce testing time. With Oracle Load Testing and the Load Testing Accelerator for Siebel, users can leverage a powerful solution for ensuring Siebel application performance. And with Oracle Test Manager users can effectively document and manage their test process from a central location and report on application readiness.

Oracle Application Testing Suite provides a powerful integrated scripting platform for automated functional & regression testing and load testing. Oracle Functional Testing's OpenScript integrated scripting interface provides a unique combination of ease-of-use and flexibility through its intuitive graphical scripting interface and powerful Java IDE for extending scripts at the code-level. Oracle Functional Testing also provides custom capabilities for testing SOA and Oracle packaged applications through its integrated testing accelerators. Oracle Load Testing provides a fully Web-based user interface for configuring and running load tests and an integrated ServerStats module for monitoring application infrastructure during a load test to identify bottlenecks. Oracle Load Testing also enables multi-user collaboration by allowing testers to view and share real-time results during load test execution through their browser. With Oracle Application Testing Suite users can leverage a comprehensive, integrated solution for automated functional and regression testing, load testing and test process management.

Contact Us

For more information about Oracle Application Testing Suite Siebel Accelerators and Oracle Enterprise Manager please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Oracle is committed to developing practices and products that help protect the environment

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