



Scapa Technologies

Scapa Test and Performance Platform 3.2

Ensuring system performance

Key benefits

- Ensure effective, painless rollout through pre-production performance testing
- Quick diagnosis and resolution of performance problems in production systems
- Continuously monitor system utilization and application performance reliability post-implementation
- Share system performance information and test results through easy-to-use reporting capabilities
- Applicable in a wide range of commercial software environments
- Maximise return on investment in IT systems through enhanced user productivity and customer responsiveness

Product Overview

Scapa Test and Performance Platform 3.2 is an innovative and powerful application performance testing, diagnosis and monitoring product, applicable across a wide range of commercial software technologies at multiple points in the application lifecycle.

Scapa Test and Performance Platform 3.2 is a sophisticated, yet easy-to-use product. It allows agile businesses and their integration partners to respond to change while managing risk in assembling today's server-based and service-oriented architectures. The platform encompasses the following key technology:

- **Application Performance Testing**
- **Diagnosis**
- **Test Asset Management**
- **Monitoring**
- **Integration**
- **Reporting**

Scapa Test and Performance Platform 3.2 works by simulating multiple users of a computer system in a way that is, as far as the system is concerned, completely indistinguishable from real users. By measuring the performance seen by virtual users, it is possible to

understand how the system would behave under a corresponding level of real usage. It is also possible to provide a continuous record of performance to compare against service level agreements.

End-user response times are measured and utilized in combination with detailed performance data and metrics gathered from the various levels of a software architecture. By presenting accurate, realistic and meaningful test results, Scapa Test and Performance Platform 3.2 provides significant diagnostic insights into complex system environments.

Application-level load-related functional failure can be tracked and correlated through the software stack, including user interface, web server, middleware, database and network.

In this one product, independent software vendors (ISVs), systems integrators (SIs) and end-user organizations will find the tools they need to ensure the performance of IT systems - from rollout through upgrades and other systems changes.

For organizations facing the challenges of providing access to products and services on-demand, the business benefits of employing Scapa Test and Performance Platform 3.2 are clear.





Application Performance Testing

At the core of Scapa Test and Performance Platform 3.2 lies its extensible load testing engine. This engine can be distributed across physical networks to comprehensively test complex systems.

In addition, the platform's standards-based, open and flexible test editing facilities integrate functional with application performance testing for a wide range of technology environments.

Scapa Test and Performance Platform 3.2 provides unique facilities for executing and controlling multiple tests and test variables in real-time. Dynamic and configurable controls empower the user to change and adapt the test as it is running.

Metadata-driven Generalization is another unique feature. It allows variability to be introduced automatically into simulated user activity. This ensures that no two users would have the same login and that they always perform different, valid transactions. User simulation, therefore, becomes much more realistic and increases the accuracy of the testing process.

Diagnosis

The platform's user interface is flexible enough to display underlying performance statistics while tests are running. The display can be configured to show a number of key systems information and performance statistics and event logs. Data from error logs can also be correlated, allowing problem diagnosis and resolution to take place immediately.

Tests can be composed of historic and current data and can combine a variety of metrics over multiple timescales.

By comparing historic with current test data, it is easy to perform application benchmarking tests and to verify performance levels following system changes.

Monitoring

Scapa Test and Performance Platform 3.2 performs continuous monitoring of application service levels, system utilization and reliability. A test scheduling facility is available that is of particular use in production environments where, for contractual reasons, application performance or service levels need to be tracked. Alerts can be set to activate when performance thresholds are breached.

The platform's user interface makes it easy to view test results and systems performance information, in a single, scalable user interface. Data from event logs, particularly error logs can be correlated to enable the user to instantly drill down through the architecture to find the root cause of performance related problems.

Reporting

With Scapa Test and Performance Platform 3.2, users can generate graphical or tabular reports based on multiple statistical models. The platform incorporates the Eclipse Business Intelligence and Reporting Tools (BIRT) system 1.0. This enables users to produce compelling reports for both web and PDF and provides them with increased visibility into the performance of their applications.

Scapa Test and Performance Platform 3.2 exports results to third-party management and reporting tools including Microsoft® Excel, and an HTML-based test report provides summary statistics that can

also be combined with reports from other tools.

Test Asset Management

Scapa Test and Performance Platform 3.2 allows test assets such as tests, scripts and performance data to be managed and shared across the application lifecycle.

A Concurrent Versioning System (CVS) repository is integrated within the product and can be used to track versions of assets and facilitate coordination in testing, development, integration, and systems management processes. Interfaces to third-party repositories are also provided.

These features offer users a highly effective solution to the challenges associated with data management.

Integration

Scapa Test and Performance Platform 3.2 targets a range of systems including Java/J2EE, HTTP and web services, Windows® Client/Server, Remedy®, Oracle®, Citrix® and Terminal Services and other Thin Client environments.

Built on the Eclipse Test and Performance Tools Platform (www.eclipse.org/tptp), Scapa Test and Performance Platform 3.2 puts the systems integration professional in control of the performance testing and diagnosis process.

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