

## DATA SHEET

# SILKCENTRAL TEST MANAGER

### Business challenge

Successful projects demand effective collaboration among teams, processes and tools. Delivering quality involves much more than executing tests; it involves collecting and sharing quality status and relevant details with all stakeholders in the project. QA teams frequently complain of a lack of visibility and the ability to demonstrate what is being tested, the actual test results, business requirements, developer testing and performance metrics. SilkCentral® Test Manager™ addresses this.

### Product overview

SilkCentral Test Manager (SCTM) is the engine of Micro Focus Continuous Quality Assurance (CQA), which embeds quality at every stage of application delivery. CQA ensures alignment with business goals through requirements driven testing and delivers continuous management control and visibility through methods such as test driven development, exploratory testing, continuous performance assurance and other advanced test automation techniques. As the key component of CQA, SilkCentral drives the delivery of high quality software, faster and with less waste.

SilkCentral Test Manager is an unparalleled solution for teams that undertake both agile and traditional projects. By giving visibility into the effectiveness of testing activities across distributed projects, it provides a unified framework for managing manual, functional and automated performance activities. Current investment is protected as SCTM integrates with existing unit, functional and performance test suites. SilkCentral Test Manager is open and accessible by all tools and teams to allow consolidated management and visibility of testing activities that take place at every point in the software development life cycle.

### Key Benefits

SilkCentral Test Manager delivers the following benefits:

- Breathes life into test artifacts through requirements visualizations and videos of results
- Provides insight into executed code for Java and .Net applications
- Exposes test results across all required environments through configuration testing.

- Relates test efforts to the organization's quality goals such as risk mitigation
- Eliminates re-work associated with project changes and exploits test asset reuse across the team
- Manages, integrates and aggregates test results from existing test frameworks and tools
- Provides a single investment that will sustain a quality program across all projects and teams
- Increases efficiency and reduces costs through dynamic hardware provisioning and load resource management
- Enables live, quality monitoring of agile and traditional project activities for co-located and globally distributed teams
- Improves manual testing with a simple, scalable Manual Test Client that guides testers through the process and assures consistent, repeatable data collection and reporting
- Delivers advanced reporting, including project status, requirements and test coverage, quality trends, milestones, test type and defect trends

### Detailed Feature Overview

#### VISUAL PARADIGM FOR REQUIREMENTS AND TEST RESULTS

SilkCentral Test Manager integrates with Caliber RDM to deliver detailed insights from requirements planning to the tester's world. Simulations and visualizations of requirements are synchronized with test planning – reducing ambiguity and jump-starting testing.

SilkCentral Test Manager extends the visual paradigm to test execution, providing video capture for both manual and automated test activities.

#### ILLUMINATE THE BLACK BOX OF TESTING THROUGH CODE AND CONFIGURATION COVERAGE

SilkCentral Test Manager provides developers and test planners with a detailed account of the classes and methods covered during manual and automated execution of .Net and Java applications. Developers can determine if testing has covered new code, and test

planners can choose which tests need to be executed to cover code changes.

SilkCentral Test Manager also provides configuration testing to manage and report on coverage of test environments. Any set of tests can be easily executed across all required environment configurations. All tests for each configuration and all configurations for each test are clearly shown.

### ILLUSTRATE RISK MITIGATION AND QUALITY GOALS

SilkCentral Test Manager gives organizations the capability to prioritize, execute and demonstrate how test efforts respond to initiatives such as risk based testing. With its flexible, straightforward and easily understood mechanism for defining risk mitigation requirements and quality goals, SilkCentral Test Manager shows the time cost of meeting those goals and helps test planners efficiently select an appropriate test set. SilkCentral Test Manager provides reports that illustrate, at any point in time, how testing has responded to the risk mitigation and other quality goals.

### REAL-TIME QUALITY MONITORING OF ALL TESTING ACTIVITIES

SilkCentral Test Manager provides visibility of all testing activities, whether teams are co-located or distributed across the globe. All testing activities are monitored in real-time, giving transparency across the organization and fostering live collaboration for cross project activities.

### POWERFUL LAB MANAGEMENT FOR THE ENTERPRISE

SilkCentral Test Manager's Dynamic Hardware Provisioning (DHP) technology makes it easier for large, distributed organizations to manage test environments which can span multiple platforms and configurations. SilkCentral Test Manager's DHP automatically selects the necessary test servers with the appropriate configuration (e.g. installed client software, operating system, CPU/memory) from an agent cluster for test execution. SilkCentral Test Manager leverages VMware Lab Manager for multi-configuration and cross-platform testing. With this native integration, customers can easily create lab environments for various stakeholders while reducing costs and improving uptime.

SilkCentral Test Manager also provides load test resource management to simplify the management of performance testing of enterprise applications. Through its integration with SilkPerformer®, Micro Focus' performance, load and stress testing solution, Silk Central Test Manager can dynamically assign workloads to available load test agents.

Load Test Resource Management delivers:

- Rapid turnaround on load/performance tests execution
- Simplified, managed control of performance test environments

- Efficient management of virtual users pools across multiple projects and teams

### AGILE TEST MANAGEMENT

SilkCentral Test Manager is optimized to test both agile and traditional projects. Silk addresses the needs of agile testing by speeding up test execution and increasing collaboration on quality assurance activities. Also, SilkCentral Test Manager is deeply integrated with VersionOne® and Rally®, the leaders in agile project management. This integration extends the user-story management capabilities, adding a powerful testing component that brings test result and status information to Rally and VersionOne.

### QUALITY METRICS FOR SOFTWARE DELIVERY

SilkCentral Test Manager gives your organization confidence to release high quality, multi-platform applications through:

- Custom dashboards and reports with cross project, quality metrics that allow informed, go/no-go decisions
- Context sensitive reports based on current 'in flight' user activities - dynamically generating 'one-click' reports specific to requirements, test plans, and test plan execution
- Micro Focus' code coverage technology links tests with the code that they actually touch, improving choices of what to test and revolutionizing the decision process when code changes force tests to be modified
- Trending and analysis data to track the progress of all quality initiatives across multiple teams, technologies and platforms across a global computing environment

## Product Specifications & System Requirements

### SUPPORTED ENVIRONMENTS

#### Operating System Support

- Windows XP Service Pack 3
- Windows XP 64 bit Service Pack 1 (execution server)
- Windows Server 2003 R2 Service Pack 2
- Windows Vista Ultimate 32 bit (execution server)
- Windows Server 2008
- Windows Server 2008 R2 64 bit (execution server, front-end server, application server)
- Windows 7 32 bit/64 bit (execution server)

**Linux Operating System Support (execution server)**

- Ubuntu 8.10
- Ubuntu 8 server
- Redhat Enterprise Linux 5 Debian 4 Etch 4.1.2-23 Suse Linux 9.1

**Web Browser Support**

- Internet Explorer 7.x
- Internet Explorer 8.x
- Firefox 3.x

**Web Server Support**

- IIS 6 32 bit/64 bit
- IIS 7 32 bit/64 bit
- Micro Focus standalone Web server (Tomcat)

**Database Management System Support**

- Microsoft SQL Server 2005 Service Pack 3
- Microsoft SQL Server 2005 Service Pack 2
- Microsoft SQL Server 2008 R2
- Oracle 10g (version 10.2.0.4)
- Oracle 11g (version 11.2.0.1)

**Integrated Third-Party Software Support**

- Bugzilla 3.2.5
- Bugzilla 3.4.2
- IBM Rational ClearQuest 2003.06.15.734.000
- IBM Rational Requisite Pro 7.0.0.0
- JUnit 4.4 or later
- SnagIT 8.0
- SnagIT 8.1
- SnagIT 8.2.1
- Subversion 1.4.4
- VMware Lab Manager 3.0
- VMware vCenter Lab Manager 4.0
- Telelogic Doors
- FitNesse 20070619
- FitNesse 20081201
- VersionOne Enterprise Edition
- Rally

**Java Support**

- Java Software Development Kit (SDK) 1.5 or later
- Java Runtime Environment (JRE) 1.5 or later
- Java Runtime Environment (JRE) 1.5 or later, 32 bit, for Manual Testing Client webstart.

For additional information please visit: [www.microfocus.com](http://www.microfocus.com)