



Xena Networks & CallMation WerkMATE Joint Solution Brief



Web-Based Test Automation for IP & Gigabit Ethernet Networks

Fully Automated Control of Xena Network's High Performance Gigabit Ethernet Test Solutions

Xena Networks and CallMation WerkMATE

Xena Networks and CallMation Inc. have worked together to create the world's first web-based test automation platform for IP & Gigabit Ethernet networking. The joint solution is an integration of Xena's high performance, wire-speed Ethernet test hardware and CallMation's WerkMATE web-based test automation platform. The solution enables equipment and network test engineers to:

- Run hundreds of test suites from anywhere using a web browser
- Easily share test results across geographically distributed locations
- Consolidate results for consistency, accuracy and reporting

Features

Xena Networks

- XenaCompact: 6 x GbE, 2 x 10GbE, 2 x 40GbE, 1 x 100GbE ports (Transportable Form Factor)
- XenaBay: 72 x GbE, 24 x 10GbE, 12 x 40GbE, 6 x 100GbE ports
- Stream-based, wire speed L2/L3 traffic generation and MEF 9, 14 & 21 conformance testing across any number of test port
- Real-time traffic capture and precise measurement of latency, throughput, loss, payload integrity & sequence/misorder errors
- Windows GUI client for test setup, execution and central management of remotely located test equipment
- Open API supports any text-based scripting tool such as Python, Java, Tcl or VB within a TCP/IP based automation environment
- Supports MS Excel templates for easy test case setup, execution and analysis including RFC 2544 tests over VLANs and IPv4 protocol

CallMation WerkMATE

- Web-based GUI requiring no client software installation
- Concurrent automated control of test equipment and Devices Under Test (DUT)
- Consolidate test scripts into a centralized automation framework easily shared across an organization
- WerkMATE Server runs on virtually any Windows PC-WinXP/Vista/Win7
- Provides repository for important test information, equipment specific test scripts and test results
- Create and run powerful test cases and test suites using intuitive test case builder enabling single run, iteration and recurring scheduling
- Sophisticated results analysis and flexible reporting module with detailed reporting and exports to - PDF, HTML, XML, CSV format
- Control any Web GUI, Windows GUI or CLI and manage test activities or monitor progress from anywhere

Wanted: A New Approach to Network Test Automation

Today's network test environment is characterized by:

- Multiple services, protocols and technologies
- Repetitive and resource intensive manual test methodologies
- Complex multi-vendor, multi-device test environments
- Multiple test equipment APIs
- Requirements for specific engineering skills and training
- Hours to run and re-run hundreds or even thousands of tests and script
- Test results that must be documented and evaluated by engineers in various locations and time zones

Web-based network test automation enables test engineers to effectively address these significant test challenges while simultaneously:

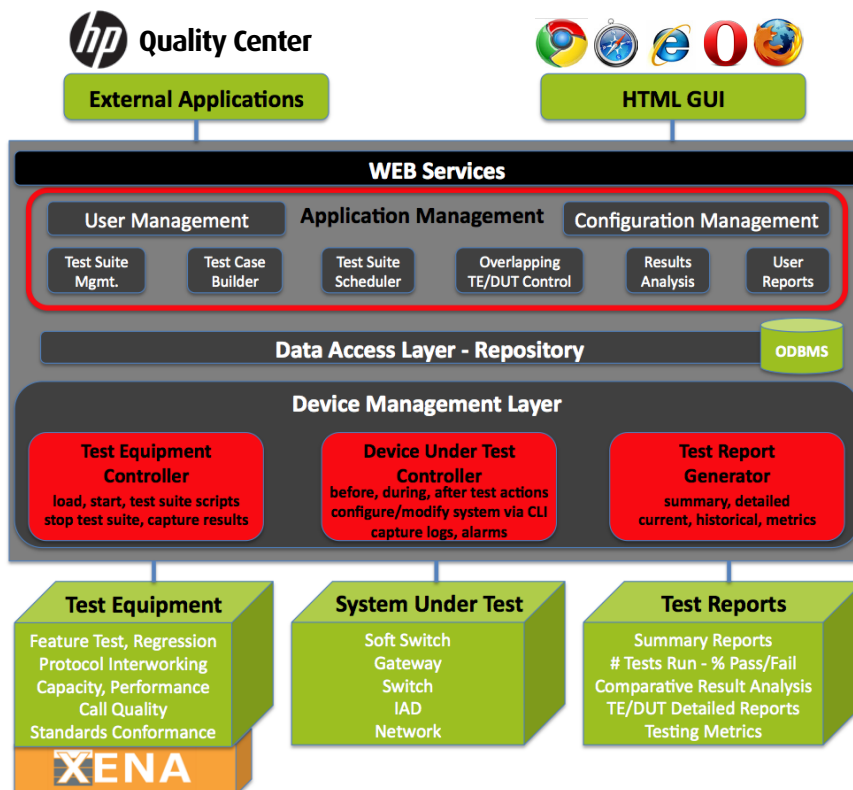
- Increasing efficiency and test productivity
- Reducing cycle times and time-to-market
- Reducing costs and complexity



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Joint Solution Architecture

The CallMation/Xena joint solution architecture is shown below. Test engineers can simultaneously manage and control all Devices Under Test (DUT) and all Test Equipment; they can incorporate proprietary scripts and protocols; and, they can perform concurrent tests and gather results across multiple devices. Any web browser can be used as a GUI. Support for HP Quality Center is provided through a web services interface.



Benefits

CallMation's WerkMATE test automation platform together with Xena's high performance test equipment provide a uniquely affordable Gigabit Ethernet test automation solution that:

- Scales from 1Mbps to 100Gbps
- Increases test efficiency, effectiveness and productivity
- Reduces test cycle times, cost and complexity

Next Steps

Learn more about Web-based Test Automation Solutions for IP & Gigabit Ethernet networks by contacting either CallMation or Xena Networks or by consulting the list of local resellers on our respective websites.



About CallMation, Inc.

CallMation provides Automated Testing solutions to simplify management of test processes and results for equipment manufacturers and service providers with hybrid, decentralized testing environments.

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About Xena Networks, ApS

Xena Networks develops Ethernet test solutions that enable network and equipment test engineers to deploy Ethernet test infrastructure that is low cost, simple to manage and easy to scale.

Xena Networks, ApS

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