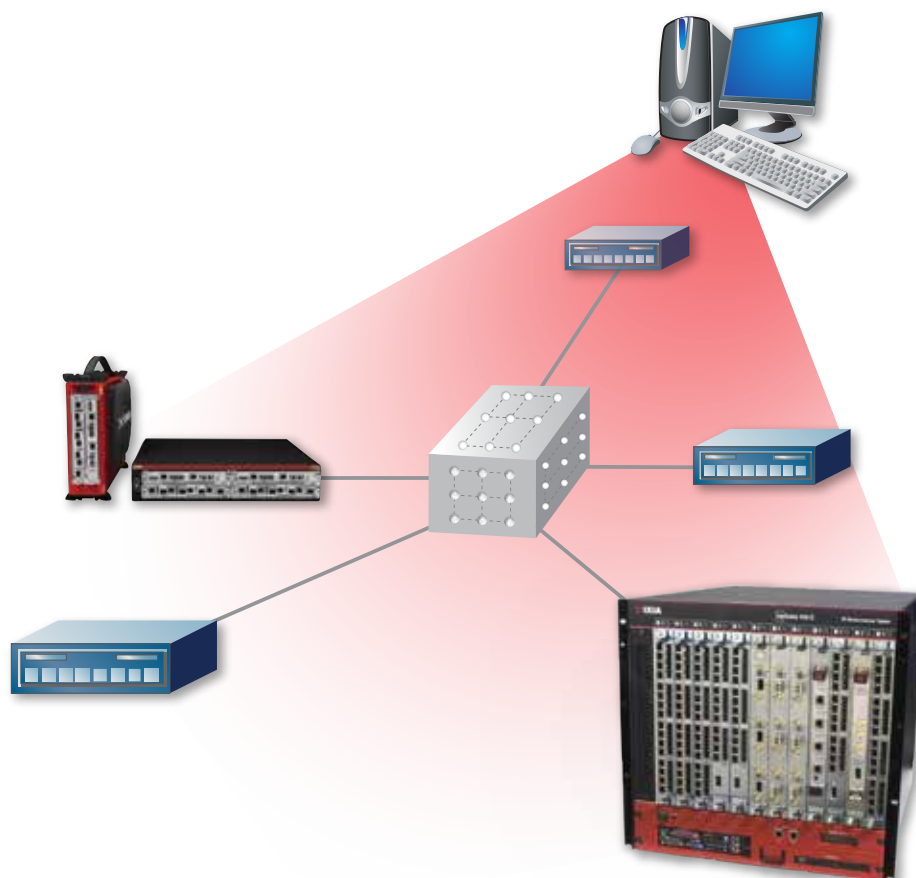# ixia

Test Conductor

The changing nature of the IP networking industry has created challenges for the IP network quality assurance teams. Technology advances are occurring at an ever accelerating pace. At the same time, the pressures to bring new and innovative products to market faster with higher quality and performance continue. The convergence of services delivered over IP has created new network demands that call for new solutions.

These solutions, in turn, require new and more advanced testing techniques. New testing requirements can often take longer to develop, execute and analyze. QA organizations are searching for solutions to their testing challenges in every area of the testing process.

Test Conductor is a complete multivendor test automation framework for IP network testing teams. It's easy-to-learn and use testing environment covers every aspect of test automation from test authoring, test and resource management, regression definition and execution, scheduling and trends analysis.

The Test Conductor framework provides the right set of tools that enable integration of lab elements from different vendors in a lab environment. By using a generic and extensible integration approach, the automation benefits are realized not just on Ixia equipment, but across all elements of a lab. These include but are not limited to devices under test, WAN emulation tools, physical layer switches and a variety of test devices.

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Feature	Description
Simplified test authoring	Shorten the test creation time using this full featured test authoring IDE. Composer reduces the number of different programming interfaces and reduces to one the number of test scripts required to automate an entire test. Control of all the devices under test is consolidated into a single unifying IDE, which also handles the test and measurement equipment used during the test.
Centralized test repository	Reduce the time spent finding previous tests with a centralized test repository that catalogues and versions test cases created by the entire test team.
Organized regression manager	Consolidate and catalog the various test regressions managed and executed by the team. The Regression Manager allows the test team to effectively share tests and regressions, track when regressions were run and compare the results of runs over time. It also makes it extremely simple to revert back to a previously run regression suite for reproduction of failures or troubleshooting.
Outlook™ style scheduler	Quickly and easily schedule tests and regressions to run unattended at specific times. The Scheduler allows everyone using the lab to see which regressions are scheduled to run and when. Avoid costly mistakes of double booking the same test resources by allowing the Scheduler to manage the test resources automatically and withhold execution of a test until the resources are available.
Review trends over the course of a project lifecycle	As products move through the development process, quality and performance trends become evident. Trend Reporter allows the test manager to create reports that can be used to determine whether the team is progressing towards completion and whether the product has stabilized. Test engineers can create reports that show the performance improvements of the product over time.

PC Operating Systems	Windows XP SP2Windows 2003 SP2 Windows Vista
PC Requirements: Test Conductor Server	2.8 Ghz Pentium PC, minimum 2-gigabyte RAM, 3 gigabytes HDD
PC Requirements: Test Conductor Client	2.0 Ghz Pentium PC, 1-gigabyte RAM
PC Requirements: Test Conductor Automation Agent	2.0 Ghz Pentium PC, 1-gigabyte RAM
Test Conductor concurrent consoles	Up to 20 per Test Conductor server
Maximum tests per regression	1000
Maximum saved regressions	Based on disk space
Ixia test applications supported	IxLoad, IxChariot, IxAutomate, IxVoice, IxANVL, IxNetwork-FT, IxExplorer (Please consult the Ixia support website's compatibility matrix for exact versions supported) http://www.ixiacom.com/support/product_compatibility_matrix/

For more information see http://www.ixiacom.com/products/test_conductor/index.php.