DATA SHEET

Test Conductor™ Regression Manager

Key Features

- Increase the usefulness of the tests
- Increase team collaboration
- Increase regression portability
- Instant regression access
- Immediate results notification
- Reduce test execution time
- Reduce transient and false failures detection times.
- Recreate the exact test suite
- Immediate access to results files

Organize regression suites for rapid automation

Network testing technologies are evolving at an extraordinary rate. New devices and services are being developed and delivered so fast that the pressure to get a high quality product to market faster translates into extreme pressures on quality assurance departments.

These new technologies are often extensions to previous product generations and the delivered functionality is a combination of new and existing features. Consequently, test teams need to test not just the new functionality, but also to ensure the correctness, performance, and interoperability of existing functionality.

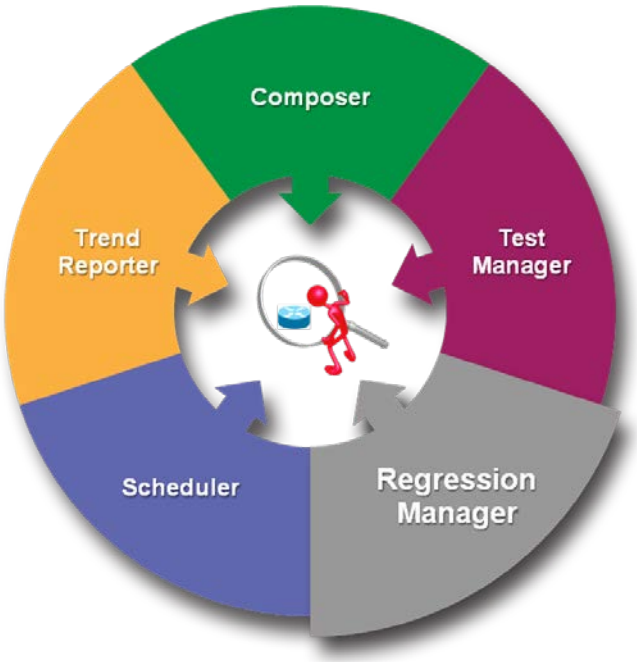

Figure 1. Test Conductor Components

QA teams need to manage their tests in a way that maximizes the use of each test throughout the product lifecycle, including feature, regression, interoperability and system testing.

Test suites should to be readily available for use in testing current and previous product versions. Results from the multiple regression runs must be captured for comparative analysis and troubleshooting. An efficient and portable test plan should include a regression test suite.

Test Conductor's Regression Manager is designed to address all of these concerns and much more. With Regression Manager, a test team can combine test cases written by various team members using a variety of testing tools, including the Ixia portfolio of test applications. These tests can then be executed in an automated fashion. Test regressions are tracked and cataloged for instant access. Test cases can be part of any number of regressions.

Regression runs are automatically captured and stored on a central results repository for later analysis. The regressions run unattended 24/7 and progress may be monitored by any number of test engineers.

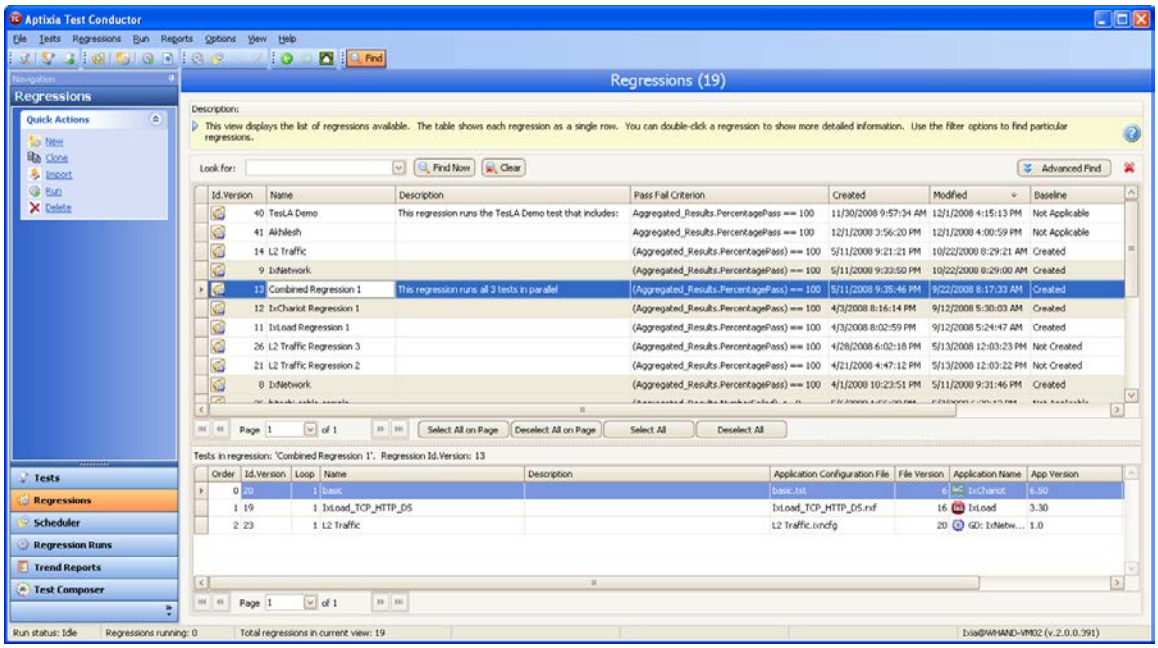

Figure 2. Regression Manager

Key Features

- **Increase the usefulness of the tests** - multitask the tests in any number of regression suites, thus increasing the usefulness of the test throughout the product testing lifecycle. Regression suites are often combined for nightly, weekly and final test regression runs
- **Increase team collaboration** – the Regression Manager provides real-time monitoring and access to test-related information, including logs. Test engineers can simultaneously access these logs during test execution for collaboration.
- **Increase regression portability** – the Regression Manager allows tests to be assigned unique test bed designations that define the test equipment used during a test along with the test input parameters that define the dynamic information needed to run the test

- **Instant regression access** – centralized storage of the regressions allows universal access to the regression suites. This access allows engineers to review test plans, schedule a regression, and review previous run results.
- **Immediate results notification** – the Regression Manager can notify the test team of the completion of a regression run, along with results. An e-mail message provides instant access to the summary results and offers a very quick way to drill down into the detailed results.
- **Reduce test execution time** – the Regression Manager can control multiple tests runs simultaneously. Tests may be part of the same regression or belong to two different regressions running at the same time. Tests that require the same test equipment will be queued up and started as soon as resources become available.
- **Reduce transient and false failures detection times** – the Regression Manager allows test engineers to review regression runs and with a single click rerun of just the failed tests.
- **Recreate the exact test suite** – the Regression Manager keeps track of the versions of tests that were used during each run. As the tests evolve and improve, prior regression runs can be quickly rerun.
- **Immediate access to results files** – the Regression Manager collects and stores all test result files, including logs and statistics files, in a central repository. Centrally located and remotely accessible, these files make it easy to diagnose a failure and facilitate root cause analysis.

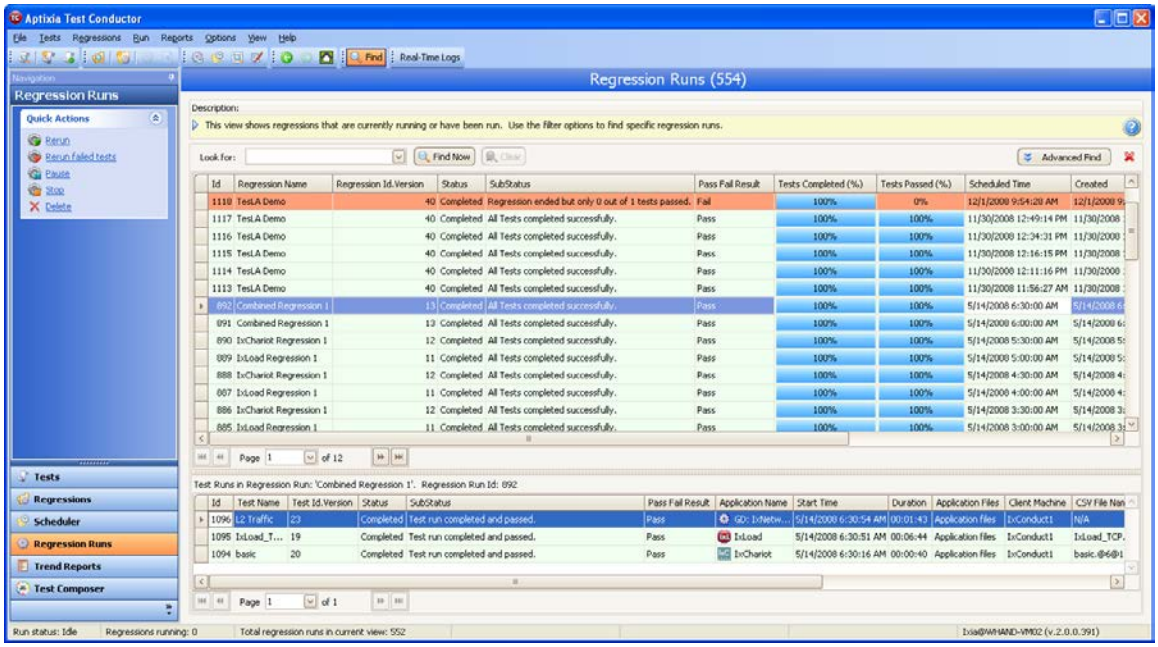

Figure 3. Results Manager

Product Ordering Information

931-2400

Test Conductor Client Bundle — Test Conductor full client application