



Veryx ATTEST™ Test Framework

Version 6.3 - DATASHEET

Veryx ATTEST is the next generation test framework providing complete control of the test process you need to manage – from scheduling, test execution, debugging and reporting.

Key Features

- ✓ Fully automated execution
- ✓ Easy DUT integration for automation
- ✓ DUT management using CLI, SNMP or manual modes
- ✓ Detailed logs and results with packet sequences
- ✓ Web-based access
- ✓ Defect tracking
- ✓ Testing Dashboard
- ✓ Email Alerts and Reports
- ✓ Archival and Retrieval of Logs
- ✓ Advanced Reporting
 - ★ Progress and Stability Report
 - ★ Baseline and Compare

Overview

Veryx ATTEST Test Framework supports a flexible and distributed environment catering to diverse test lab requirements needed in today's dynamic conditions. Multiple ATTEST-based test servers executing test-cases can be operated from ATTEST test clients spread over the local or wide-area network.

ATTEST provides central management of user access, test results and reports. Using web-based access, the QA team gets any-time, any-where access to highly informative test reports and test result information.

ATTEST significantly speeds-up the testing cycles and accelerates product development. Its unique design results in minimal time for integration and enables efficient use of time and resources.

Devices can be easily integrated with ATTEST enabling testing to be started quickly. Once completed, ATTEST test suites can run in automated manner and be scheduled to run at required times.

ATTEST supports advanced analysis features enabling testers to identify the point of failure easily.

ATTEST provides detailed analytics in graphical format, helping QA managers track the overall progress of testing, as well as drill-down to individual tests.

All in all, ATTEST puts the QA team firmly in control of the testing process, resulting in better product quality.

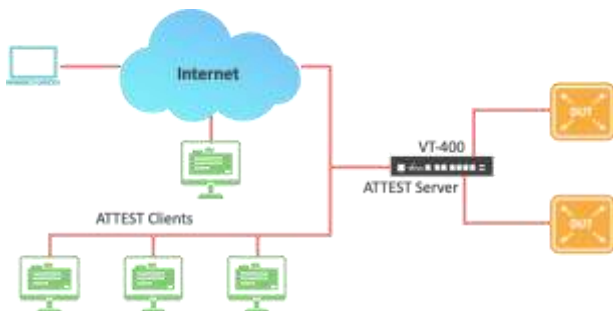


Figure 1: ATTEST clients access ATTEST servers over LAN & WAN



ATTEST Test Framework Features

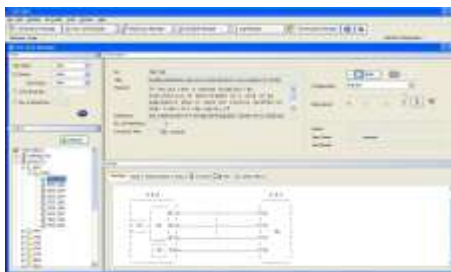


Figure 2: Testcase Manager



Figure 3: Test Logs



Figure 4: Testing Dashboard

Test Management

QA Managers would need to provide their test engineers with an integrated test environment that provides a quick way of selecting test cases and ensuring that all the test results are recorded for easy analysis and debugging.

Testcase Manager

ATTEST Testcase Manager provides easy access to view and execute all the test cases. It provides test engineers with detailed information such as the test topology, expected packet exchange sequences and test steps.

Once execution has been initiated, ATTEST provides detailed logs of the test execution along with information relating to packets exchanged with the device under test. On completion of the test, the result of the testcase is available along with the logs and packet sequences.

Result analysis

Debugging failed test cases tend to be a big challenge without relevant detailed log information and packet exchange information.

ATTEST Log manager facilitates easy location of offline logs and provides packet sequences with timing information for easy debugging. This information can also be made available over the internet for access by remote teams.

Scheduling Test Cycles

For test engineers who wish to optimize their time, ATTEST provides the facility of scheduling tests outside working hours. For example, all the test cases can be scheduled to run at night and in the next morning, the tester can then focus attention on just the failed test cases.

ATTEST Schedule Manager enables test engineers perform repeated regression testing easily. Test cases can be grouped together to run at scheduled times. While executing, the sequence of test execution can be randomized between different executions to ensure stability of test results.

Defect Tracking

ATTEST maintains the defect history on a test case basis for easy reference and analysis. ATTEST integrates with third-party defect tracking software, so that the defects can easily be raised in the defect tracking system on a single click. ATTEST provides support for Mantis and Bugzilla defect tracking software by default.

Testing Dashboard

QA Managers would be looking for a high-level view of test execution progress in a single report for easy review, without having to look through the details.

ATTEST Test Dashboard provides the overall report of test execution in graphical format for the build versions of the device under test.



Test Analytics and Reports

ATTEST provides excellent graphical and textual reports to enable QA managers track the overall progress of testing. The testing progress for different devices under test with corresponding software image versions can be easily tracked. The reports can be exported in CVS/PDF format and emailed as well.

Release Status

QA Managers can review and track the status of test executions for specific releases of the devices under test. They can also then drill-down for detailed analysis for specific test cases.

Baseline Comparison

ATTEST enables comparisons of test results against baselined results, across platforms, or releases. This helps QA Managers to focus on only the difference in results and thus narrow down the issues quickly.

Tracking Stability

QA Managers can review the progress of test executions, while keeping track of the stability of test results, since ATTEST reports provide detailed graphical view of test suites executions over time.



Figure 5: Release Status Report

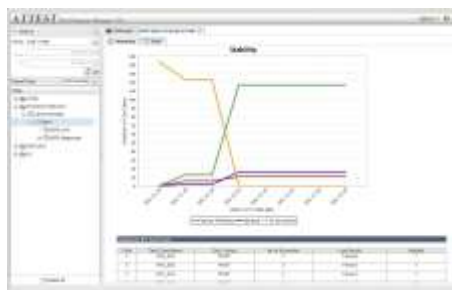


Figure 6: Stability Analysis

System Requirements

Server	Client
One of the following: <ul style="list-style-type: none"> • Veryx VT-400 • Xena Valkyrie Traffic generators • x86 COTS (Intel i3 or equivalent with 4 GB RAM and 40 GB HDD), OS Linux Fedora 32 • Virtual Machine (4vCPU, 4 GB RAM, 40 GB HDD) 	Hardware <ul style="list-style-type: none"> • Intel i3 or equivalent with 4 GB RAM and 100 MB disk space Software One of the following with Oracle JRE version 1.8 or higher: <ul style="list-style-type: none"> • Microsoft Windows 7/10 • Linux Fedora 10/13/20/32

Ordering Information

Part Number	Product
FW6S-3FW6C-B	ATTEST-Framework-Server 6.x with 3 Remote ATTEST-Clients – Win10 & FC
FW6S-1FW6C-B	ATTEST-Framework-Server 6.x with 1 Remote ATTEST-Client – Win10 & FC

About Veryx Technologies

Veryx Technologies (formerly Net-O₂ Technologies) provides innovative Verification and Measurement Solutions for the global communications industry. ATTEST solutions verify networking equipment being used for Access, Carrier Ethernet, Data Center, Edge, Enterprise, Industrial and Security. The unique offerings from Veryx enable customers to reduce the “time-required-to-test” and enhance their “time-to-market”.

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