Valkyrie1564™

Standalone Y.1564 application

Xena Valkyrie1564 is a free PC application developed by Xena Networks to help you perform the Y.1564 methodology using one or more Xena test chassis.

Y.1564 is the ITU-T standard for turning up, installing and trouble-shooting Ethernet-based services. Formulated as an improvement over RFC2544 it is the only standard test methodology that allows for complete validation of Ethernet service-level agreements (SLAs) in a single test.

Valkyrie1564 provides full support for both the configuration and performance test types described in Y.1564. It uses the same terminology and features a simple intuitive GUI that lets you connect one or more ValkyrieCompact and/or ValkyrieBay chassis for testing Layer 2 and Layer 3.

You can define multiple Ethernet services and organize them in a custom folder hierarchy. Valkyrie1564 supports different network topologies and traffic flow directions and can be used for either IPv4 or IPv6.

Via Valkyrie1564, you can define the protocol layers supported by each UNI (Ethernet, Customer and Service VLANs, MPLS, IP and UDP) as well as defining either per-UNI or per-CoS bandwidth profiles for each UNI, plus you can specify CoS-to-DSCP mapping.

Test reports can be generated in both PDF and XML format and extensive configuration options are available for fine-tuning the tests.

Include Valkyrie1564 in automated scripting environments

The Valkyrie1564 GUI application is suitable for interactive sessions, and the companion Valkyrie1564Run utility is included for performing Y.1564 testing from fully-automated scripting environments.

The Valkyrie1564Run utility lets you execute any test configuration created by the Valkyrie1564 from the command line. (Note that this utility is only capable of executing a Valkyrie1564- generated test configuration, so the test configuration must still be created using the Valkyrie1564 GUI.)

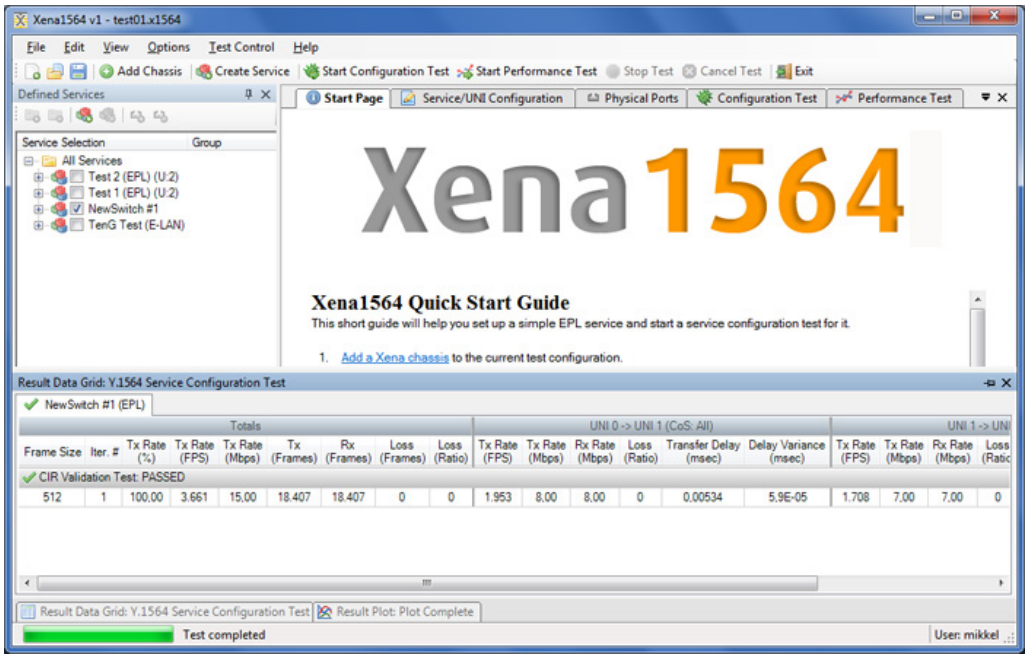
The test reports can be created in either PDF or XML format or both. The automated script environment may need to perform post-processing actions on the generated reports, either by parsing the data or sending the report somewhere else (by email or by copying it to a remote server). The XML report contains both a test results section and a test configuration section. The results section will contain the actual results, whereas the configuration section contains the full configuration used to perform the test.

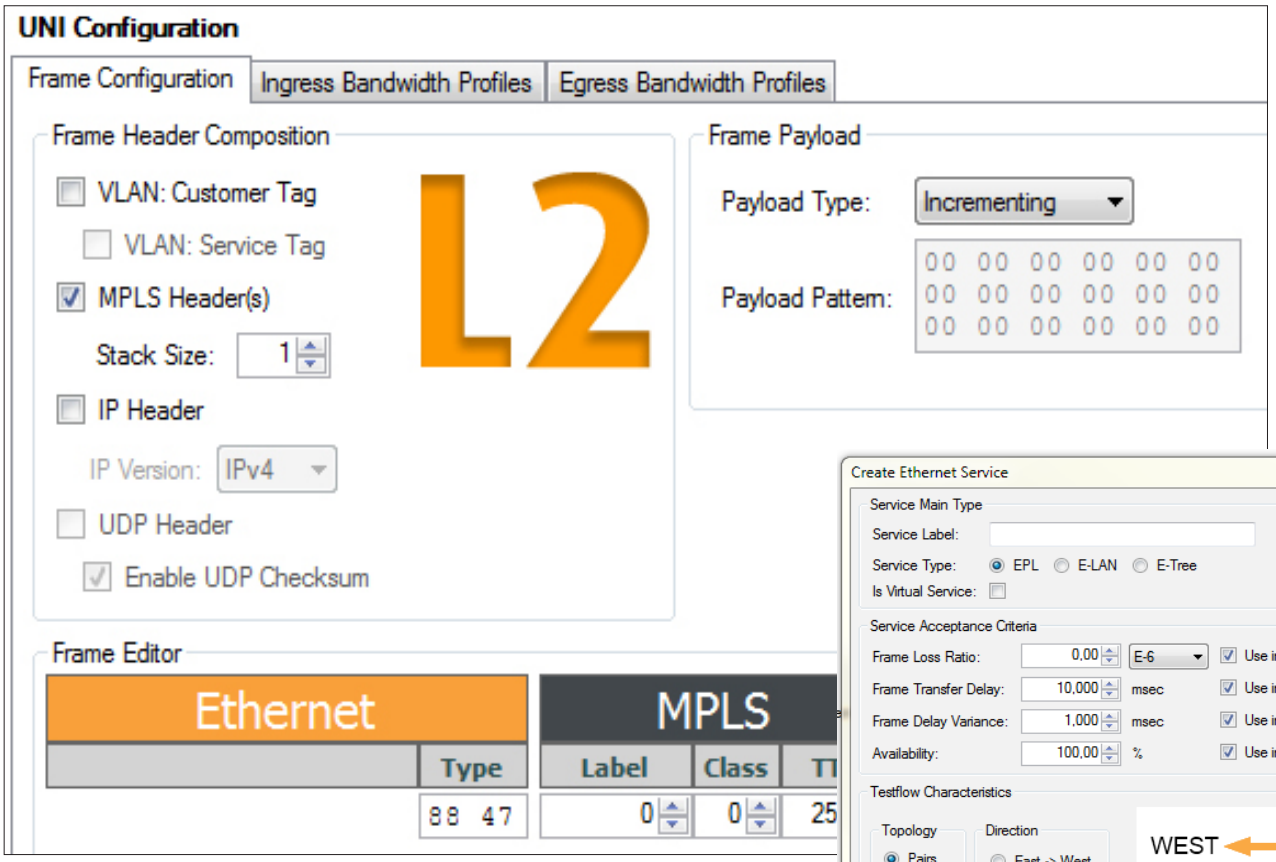
Scripting examples showing how easy it is to launch Valkyrie1564 from any scripting language using Valkyrie1564Run, are available via Xena's website, as well as examples showing how the XML result file can be parsed and the results extracted. (See reverse for URLs.)

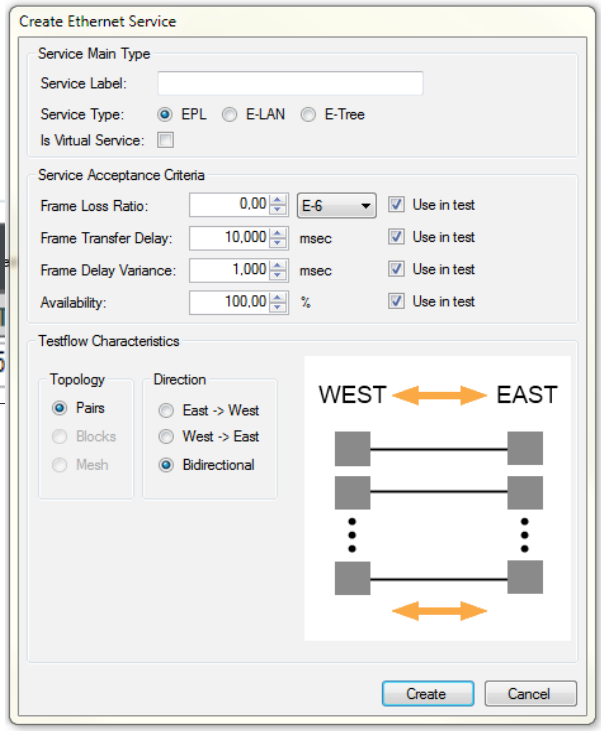
Valkyrie 1564

Top Features

- Full configuration and performance testing according to Y.1564
- Complete validation of Ethernet service-level agreements (SLAs) in a single test
- Multiple protocols supported per UNI (Ethernet, Customer and Service VLANs, MPLS, IPv4, IPv6, and UDP)
- Define Per-UNI or per-CoS bandwidth profiles, and specify CoS-to-DSCP mapping
- Support for different network topologies and traffic flow directions
- Summary and result reports in PDF and XML formats
- Easy execution and results parsing from automated scripting environments
- User-friendly GUI makes Valkyrie1564 simple to learn, easy to use thereby reducing time-to-test
- Valkyrie1564 is free software supplied with all Xena test equipment







Specifications

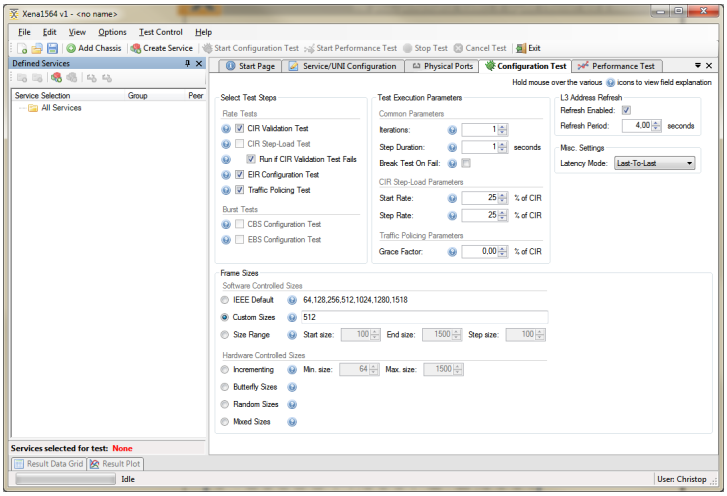
Valkyrie1564 measures these parameters (in accordance with ITU-T Y.1564):

Totals:

- Tx rate (%)
- Tx rate (Fps)
- Tx rate (Bps)
- Tx and Rx frames
- Loss (frames)
- Loss (ratio)

Per UNI-CoS pair:

- Tx rate (Fps)
- Tx rate (Bps)
- Rx rate (Bps)
- Loss (ratio)
- Transfer Delay
- Delay Variance



Xena Networks is an award-winning manufacturer of advanced Gigabit Ethernet test and measurement solutions.

Ordering Information:

XSoptix
800 Village Walk #316
Guilford, CT 06437
Ph: 203-401-8093
Email orders to: sales@xsoptix.com
Fax orders to: 800-878-7282

XENA NETWORKS

www.xenanetworks.com
Sales contact: sales@xenanetworks.com