VALKYRIE

Probably the world's best stateless traffic generation and analysis platform

OVERVIEW

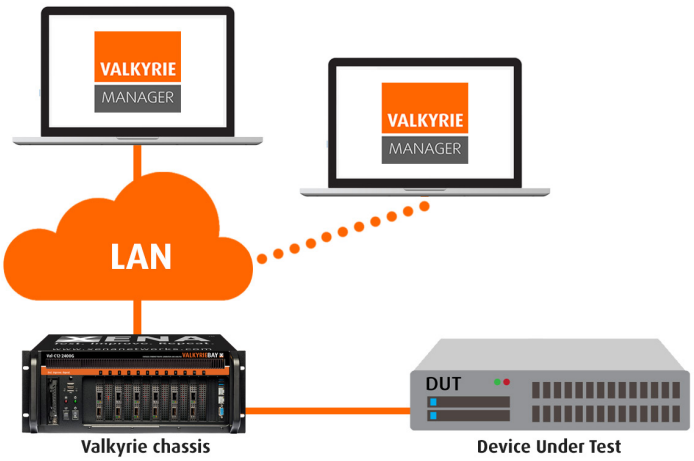
Valkyrie is a full-featured stateless Ethernet traffic generator and analysis platform. It is used to configure and generate Ethernet traffic up at all speeds up to 800GE, and analyze how network devices and services perform in response, making it perfect for most lab-based data-plane test scenarios.

Valkyrie offers a choice of two chassis that can be equipped with an extensive range of copper and optical Gigabit Ethernet test modules supporting all Ethernet speeds up to 800GE.

The chassis and test modules are controlled via ValkyrieManager, a Windows GUI client provided for ad-hoc test execution, and remote management of test equipment located in multiple locations. Also included are standalone applications for automated RFC 2544, Y.1564, RFC 2889 and RFC 3918 testing.

Finally, Valkyrie includes a command-line-interface (CLI) scripting API with hundreds of scriptable parameters. Any client platform can be used (e.g. Python, Tcl, Bash). A RestAPI is also available.

Valkyrie is an award-winning test platform used by hundreds of customers worldwide who value its range of features, ease-of-use, interoperability, and scalability.



KEY FEATURES

- Easy-to-use UI ("2-clicks" to get a stream running)
- Wide range of optical & copper test modules for testing all speeds up to 800GE
- Thor-400G-7S-1P & Thor-100G-5S-1P are the only test modules on the market that can test AN/LT as well as PAM4-based speeds (50, 100, 200 and 400GE) and NRZ based speeds (10, 25, 40, 50 and 100GE)
- Advanced FEC stats for PAM4
- Same CLI commands across all port speeds
- Industry's best traffic scheduler
- Industry's only UI integrated Traffic Generation & Impairment solution (Valkyrie & Chimera)
- Robust chassis platform (Linux), runs "forever", supporting +40-day test cases
- Smooth and fast chassis software upgrade processes
- Multi-user platform with port reservation resolution down to one port per user
- Very precise and accurate traffic generation
- Free software (ValkyrieManager, ValkyrieCLI, Valkyrie2544, Valkyrie2889, Valkyrie1564, Valkyrie3918)
- Synchronize chassis with ValkyrieTimeSynch option
- Free training & tech support for product lifetime

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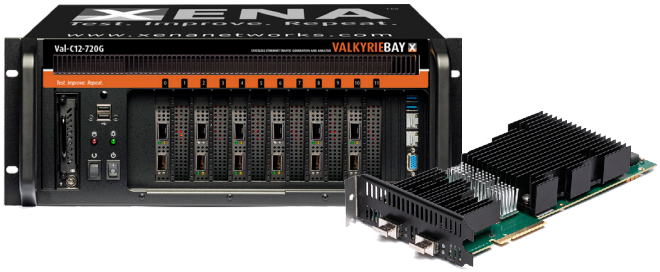
HARDWARE



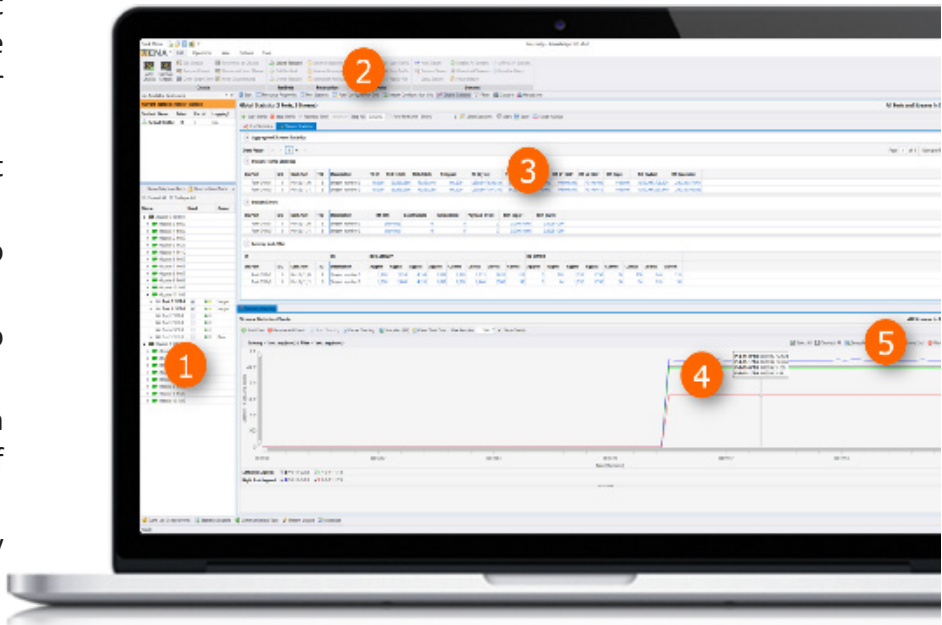
ValkyrieBay is a 12-slot modular chassis. It provides high port density and low power consumption. It offers great flexibility and scalability. For example it can hold up to 4 x 800G or 144 x 10G ports. Combines high-precision with robust, reliable low-noise operation.

ValkyrieCompact is a 1U 1-slot fixed chassis solution available for Xena's Valkyrie test modules at all speeds up to 400G. Easy to transport, and can be supplied with a robust travel case.

SOFTWARE

ValkyrieManager is used to configure and generate streams of Ethernet traffic between Xena test equipment and devices under test (DUTs) at all speeds up 800Gbps, and analyze the results. The UI is consistently praised for its user-friendly features:

1. Familiar "tree" structure for managing test bed of chassis, modules and ports.
2. Top ribbon provides instant access to commonly used functions.
3. Color-coding and tool tips are included to make user-interface very intuitive.
4. Graphical elements help testers quickly scan results. Panels can also be dragged free of main UI for testing convenience.
5. Convenient reporting options make it easy to export and document results.



AUTOMATION

Valkrie offers great test automation options including ValkyrieCLI (the best test automation tool in the industry) and support for REST-Api. Used across all Xena stateless platforms (Valkyrie, Vantage and Chimera), ValkyrieCLI is a command-line-interface (CLI) scripting API with hundreds of scriptable parameters. It supports multiple concurrent scripting sessions by different users in different locations, and the CLI commands are the same across all port speeds. Any scripting client platform can be used (e.g. Python, Tcl, Bash) and examples are available via Xena's website.