



Spirent TestCenter SPIRENT SCRIPTMASTER

Spirent ScriptMaster is a key component in Spirent's Test Case Factory. As the new industry standard for automated network testing, Spirent ScriptMaster provides turn-key, solution-oriented test suites that operate in a platform independent framework for maximum flexibility.

APPLICATIONS

- Automate lab testing on Spirent platforms using solutions-based pre-programmed scripts and a PC or UNIX workstation
- Demonstrate and evaluate product capabilities for complex technologies that would otherwise be too time consuming to develop in-house
- Tests the latest Ethernet and routing technologies and assesses network performance impact on enterprise, metro, and core routers and switches
- Quantify network performance across a few or even hundreds of ports, while simulating millions of hosts and routers to verify scalability before a network goes live
- Unattended operation of system and feature tests

Each test suite within Spirent ScriptMaster provides a set of executable test cases along with a thin test execution framework for parameterization and execution of the individual script or scripts comprising the test case. Test cases are organized into test suites. A test suite is intended to provide significant test coverage of the features of a particular technology, e.g. RFC 2544 or RFC 2889.

BENEFITS

- Increases productivity in QA and manufacturing labs
- Expedites test design phase by eliminating the need to program scripts, fostering code re-use and regression
- Increases efficiency by eliminating much of the test design phase
- Uses industry-expert logic as inherent test methodology to guide you through the initial test process and assures you are testing correctly
- Requires little human intervention while saving time and reducing the amount of development resources required
- Protects your automation investment with its flexible design that lets you choose which test harness to use to run the scripts and on a variety of operating systems
- Allows highly skilled knowledge workers to focus on proprietary test designs, not on re-inventing the wheel



TEST SOLUTIONS AND TEST CASES

LAN Switching Solutions

- RFC 2544 Suite – Throughput, Frame Loss, Latency, Back-to-Back
- RFC 2889 Suite – Fully Meshed Throughput, Frame Loss, and Forwarding Rates, Partially Meshed One-To-Many/Many-To-One, Partially Meshed Multiple Devices, Partially Meshed Unidirectional Traffic, Congestion Control, Maximum Forwarding Rate, Forward Pressure, Address Caching Capacity, Address Learning Rate, Errored Frames Filtering, Broadcast Frame Forwarding and Latency
- IMIX/Specialized LAN Switching Suite – Packet sweep, Jitter Test scripts, IMIX Throughput, Jumbo (IMIX Throughput plus Jitter)
- Multicast Suite – Mixed Class Throughput, Group Capacity, Multicast Join/Leave Latency, Forwarding Latency, Scaled Group Forwarding Matrix, Aggregated Throughput

Routing Solutions

- BGP Suite – BGP Forwarding Information Base Scalability, Peer Scalability, BGP Flapping and Convergence
- OSPF Suite – LSA Scalability, OSPF Adjacency Scalability, Throughput, Frame Loss, Flapping, Convergence/Reconvergence
- IS-IS Suite – LSP Scalability, Adjacency Scalability, Throughput, Frame Loss, Flapping, Convergence, Reconvergence

Spirent ScriptMaster

- Tk-based GUI framework
- Runs on UNIX, Linux, or Windows operating systems
- Configures script parameters such as ports and addresses

REQUIREMENTS

- SPT-2000A Spirent 2U Chassis and Controller or SPT-9000 and a Spirent 9U Chassis and Controller with the appropriate hardware modules
- IBM or compatible Pentium® PC running Windows® XP SP2 with mouse/color monitor required for Spirent TestCenter GUI operation
- IBM or compatible Pentium PC running Windows XP SP2, Red Hat Enterprise Workstation Linux 3.0, Red Hat 8, or SUN Solaris 10.0 required for automation operation
- Tcl 8.4

ORDERING INFORMATION

Spirent TestCenter Automation is included with Spirent TestCenter at no additional charge.

SPIRENT GLOBAL SERVICES

Spirent Global Services provides a variety of professional services, support services and education services — all focused on helping customers meet their complex testing and service assurance requirements. For more information, visit the Global Services website at www.spirentcom.com/gs or contact your Spirent sales representative.



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