

EXpert IP Test Tools

PLATFORM SOFTWARE TEST TOOLS



The indispensable IP test tool kit for any testing situation

KEY FEATURES AND BENEFITS

Tools included:

- > Ping
- > Traceroute
- > VLAN scan
- > LAN discovery
- > FTP performance
- > HTTP availability

Common tool kit and test interface across all platforms

Available for FTB-1 and FTB-200 v2 platforms

EXpert IP
TEST TOOLS

EXFO | Assessing
Next-Gen Networks

überreicht durch:

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SPEC SHEET

Opternus GmbH
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SIX TOOLS, ONE APPLICATION

EXpert IP Test Tools is an EXFO platform-based software application that brings together six commonly used test tools into one application to help field technicians deal with the complex testing environments of today's networks. As any technician knows, being prepared for the unexpected is key to successfully getting through the day and solving customer issues.

Whether it is to verify IP connectivity to a router or customer endpoint using the Ping tool, debugging VLAN issues with VLAN Scan or verifying a file transfer protocol (FTP) service using the FTP performance tool, EXpert IP Test Tools has you covered. Supported on the FTB-1 and FTB-200 v2 test platforms, it is an indispensable test kit that is always available for use anywhere and anytime you are using EXFO's test platforms—regardless of the specific module in use.

KEY FEATURES

LAN Discovery
VLAN Scan
Ping
Traceroute
FTP Performance
HTTP Availability
Ethernet Port Statistics

PRODUCT HIGHLIGHTS

LAN Discovery

LAN Discovery actively interrogates network devices to learn about attached hosts, servers, switches and routers. The discovered devices connected to the network are listed and additional details about each device are provided such as IP address, domain name, services provided, administrator, location, etc. Metrics provided include the IP address of the discovered hosts along with the network address, MAC address and SNMP information.

VLAN Scan

VLAN Scan detects and lists all the VLANs present on the IP network the test set is connected to. It can support the detection of nested VLANs on up to three layers. Results include the VLAN number, priority, and frame count. This tool is useful to discover configured VLANs on a port and bandwidth utilization per VLAN as well as providing the ability to detect VLAN configuration errors.

Ping

The Ping tool validates if there is IP connectivity to another IP-enabled device (host) by sending control message protocol (ICMP) echo request packets to the destination device and waiting for an ICMP response to validate the end-to-end connection. In addition, it also provides a round-trip time (latency) for packets sent by the local device to the destination far-end device. Other metrics include sent and lost packets.

Traceroute

The Traceroute test is a troubleshooting tool that discovers the path taken by IP packets across an IP network. It identifies the nodes or "hops" that the packet traversed on its way to the destination. The information provided by the tool includes the IP address of the nodes and the number of hops to that node and the total hops to reach the destination node. An example of how the traceroute tool can be used is to identify the routers along a data path to discover routing problems or to highlight firewall issues that may be blocking ICMP packets.



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FTP Performance Test

FTP allows the transfer of files between a local PC and a remote FTP server. Using FTP, you can connect to an FTP server and transfer files in either direction by uploading a file to or downloading a file from an FTP server. File transfer involves two types of connections, a control connection and a data connection.

A typical use of the FTP Performance test tool is to measure the availability and response time of an FTP server. This test can be configured to upload a file to the server, download a file from the server or perform both tasks. The file is generated by the test and transferred to the specified location.

HTTP Availability

The HTTP Availability test measures the availability and response time of a hypertext transfer protocol (HTTP) server by downloading a web page. Results include the TCP connection time, the total page download time, the number of redirects and the redirect time.

SPECIFICATIONS

LAN INTERFACE CONFIGURATIONS

IP address (static or DHCP)

Subnet mask

Default gateway

DNS server

VLAN

PORT/ETHERNET STATISTICS

Link status Frames sent/received

Link speed Bytes sent/received

Domain name Dropped frames

Tx collisions

Error frames

IP TEST TOOLS

LAN discovery Host IP address, MAC address, domain name, services provided, SNMP info

VLAN scan VLAN number, priority and frame count

Ping Round-trip time (minumum/maximum/average), sent packets and lost packets

Traceroute Node IP address, number of hops, total hops to destination

FTP performance Server IP address, initial greeting time, login time, upload time, upload throughput, download time, download throughput, download size

HTTP availability Connection time, total page download time, number of redirects and redirect time

ORDERING INFORMATION

EXpert IP = IP/Ethernet test tool suite
 Includes: FTP Performance, HTTP Availability, VLAN Scan, LAN Discovery, Ping, Traceroute, IP/Ethernet Port Statistics
 Single license for the FTB-1 and FTB-200 v2 platforms

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EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices. In addition, all of EXFO's manufactured products are compliant with the European Union's WEEE directive. For more information, please visit www.EXFO.com/recycle. Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

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