FLUKE networks

Academy

Troubleshooting Ethernet Networks
with the EtherScope™ Series II Network Assistant

A Two-Day Course Covering Configuration and Troubleshooting with the EtherScope Network Assistant

Troubleshooting Ethernet Networks with EtherScope focuses on the configuration of the EtherScope Network Assistant and troubleshooting Ethernet Networks. This two-day training course provides the training needed by network engineers and technicians to effectively troubleshoot many of the problems in today's LANs. Participants will learn how to configure and setup the EtherScope analyzer correctly and troubleshoot a few common network issues. All skills are reinforced through hands-on exercises and a feature called "Try This Now!", brief exercises that run through the entire course to enhance skills and concepts.

Participants learn:
- Concepts of Ethernet and TCP/IP technology
- How to configure EtherScope correctly
- How to troubleshoot LAN networks
- How generate network reports

Required prerequisites:
- Students must have a working knowledge of LAN technologies and topologies
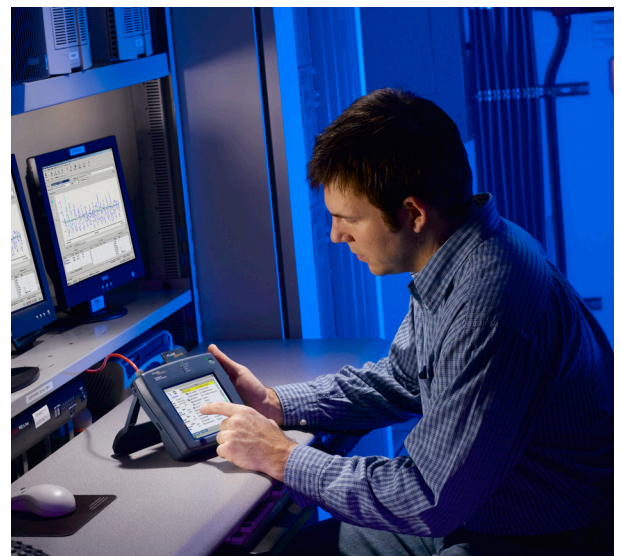- Basic router and switch technologies

Who should attend:
Network engineers and technicians who are tasked with network troubleshooting, analysis and installation.

Related training:
Troubleshooting Wireless Networks with EtherScope

Learn how to troubleshoot common network issues.

For More information:
Contact your local Fluke Networks Sales representative, email us at **academy@flukenetworks.com** or register online at **www.flukenetworks.com/training**

Troubleshooting Ethernet Networks
with the EtherScope™ Series II Network Assistant

Course Agenda

Learn how to configure the EtherScope Network Assistant and use it to troubleshoot common LAN problems. Plus, gain an understanding of the concepts and principles of Ethernet and TCP/IP technologies.

Day 1

- EtherScope Interfaces
    - Physical features
    - Use of connections and slots

- EtherScope Configuration
    - Network Configuration
    - Personal Settings
    - EtherScope Navigation

- Ethernet Technology
    - OSI model
    - Cabling
    - 802.3 Ethernet
        · CSMA/CD
        · Duplex speeds
        · Network devices
        · VLANs
        · Auto Negotiation
        · Network Discovery
        · Ethernet Errors

Day 2

- TCP/IP Technology
    - IP protocol
    - IP Addressing
    - Subnetting
    - ICMP protocol
    - ARP protocol
    - TCP

- RFC 2544 & Throughput testing
    - RFC tests
    - Testing methods
    - Traffic Generation
    - Throughput testing

- Troubleshooting with EtherScope
    - Best practices
    - No network connection
    - Slow network
    - Performance testing

- Reporting
    - Creating reports
    - Managing reports
    - EtherScope Remote

Sign-up today at
www.flukenetworks.com/training