Troubleshooting TCP/IP Fundamentals (TTCP) Training

Course Outline

TCP/IP Troubleshooting Overview

Monitoring

- Application Metering

- Network Management Systems

- Baselining and Trend Analysis

- Broadcasts

- Response Time

- Bandwidth and Throughput

- Routing

Troubleshooting-Tools

- Cable Tester

- Field Analyser

- Protocol Analyser

- RFC 1147

- Ping

- ICMP

- Documentation

Basic Protocol Analysis

- Protocol Analyser Types

- Monitor versus Capture Mode

- Analysis Strategies

- Interpreting the Displays

- Filter Techniques

Troubleshooting the different OSI Layers

- Network Interface Layer: Cabling, Network Interface Card, Frame-Types, Broadcast Level, Bridge Configuration, Hubs/Repeaters

- Internetwork Layer: Router Configuration, ARPs, Tunneling

- Host-to-Host (Transport) Layer

- Application Layer