



NETWORK TRAFFIC ANALYSIS

COURSE DESCRIPTION

Ever wonder what in the world is happening "under the hood" of your network? Network monitoring is the least understood aspect of network administration and one of the most important. In this course, a leading networking expert shows you exactly how to monitor and analyze your Windows based network and how to use the information to maximize performance, reduce congestion, plan for growth even identify intrusions! Start by reviewing the TCP/IP, IPX/SPX, Ethernet, and Samba protocol basics you need in order to monitor and analyze networks effectively. Inspect network traffic from four different perspectives client traffic, server traffic, application traffic, and service traffic. Next, learn how to use each version of Microsoft's Network Monitor (Netmon) and compare commercial network monitoring tools, discovering when to use each. Finally, review four of the most important networking troubleshooting scenarios, in-depth connectivity problems, faulty applications, hardware problems, and compromised security walking through the process of identifying, analyzing, and solving the problem, step-by-step. Examine sample capture files showing real network traces. For all network and Windows system administrators seeking to understand their networks.

THE STUDENT WILL LEARN:

- + Networking Protocols (TCP/IP, IPX/SPX, Ethernet, Samba)
- + Traffic analysis tools and techniques
- + Microsoft's Network Monitor (Netmon)
- + Commercial Network Monitoring tools
- + Identifying network intrusions

PREREQUISITES:

General knowledge of computer and operating system fundamentals is recommended

COURSE INFORMATION:

5 days, MF, 40 hours. A certificate of completion will be given at the end of the course. Each student will be provided with a preconfigured laptop with all course training software.