

Course Outline



Tel: +44 (0) 118 979 4000 Fax: +44 (0) 118 979 4000

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TCP/IP Overview

Course Description:

The objective of this course is to provide delegates with an overview of the facilities provided by the TCP/IP protocol suite. It is useful for delegates who wish to understand the concepts of TCP/IP or make decisions about implementing a TCP/IP network but who do not need to perform the actual installation themselves. The course concentrates on both UNIX and DOS/Windows implementations of TCP/IP.

Pre-requisites:

Delegates should have a basic understanding of Local Area Network concepts.

Course Content:

- **Reference Models**
- **LAN data-link concepts**
- **Introduction to the Internet Protocol (IP)**
- **IP routing**
- **TCP/IP applications**
- **UDP/IP applications**
- OSI 7 layer model, TCP/IP 4 layer model
- MAC addresses, frame types, SLIP, CSLIP, PPP
- Addresses, classes, networks and broadcasts. Naming (hosts and DNS) Subnet masks (default, off-byte).
- Mechanics. Static, Interior (RIP, RIP2, OSPF), Exterior (EGP, BGP)
- Telnet, FTP, SMTP and POP3 (applications, attachments)
- TFTP, Finger, BootP, DHCP, SNMP, NFS, DNS

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- **The Internet**
 - History, POPs, connecting to the Internet. DNS
 - Newsgroups, archie, gopher, WAIS, IRC
 - The World Wide Web (URLs, HTML, VRML)
- **r commands**
 - rlogin, rcp, rsh

Course Duration:

1 Days

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