



TCP/IP networks and services for Linux

REFERENCE	CLT
INTENDED PARTICIPANTS	This course is valuable for networks and system administrators, technicians and all those who are involved in designing TCP/IP infrastructure networks based on Linux. Knowledge of Linux command line tools is required. General knowledge of TCP/IP would be useful.
LEARNING OBJECTIVES	Set up and configure the network and TCP/IP services with Linux. Install and configure the DHCP service. Install and configure the DNS service Install and configure the Apache web server Share files and printers between Linux and Windows using NFS, Samba and CUPS. Postfix and sendmail messaging services Presentation of the standard RADIUS authentication protocol for authentication and control of access to the information system Introduction to the LDAP directory
DURATION	5 days
DELIVERY PRICE	Contact Us

COURSE CONTENT

NETWORK APPLICATIONS

- Network application management
- inetd
- xinetd
- Troubleshooting a network application

BASIC NETWORK SERVICES

- FTP
- Remote Commands
- LPD, LPRng
- CUPS
- X-Window
- VNC

DIRECTORY SERVICES

- DHCP
- DNS
- Introduction to LDAP
- Whois

FILE SHARING SERVICES

- NFS

APACHE

- Presentation
- Creating a website
- Web protocols
- The Apache configuration
- Dynamic sites
- Web security



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SAMBA

- Presentation
- The Samba server
- Windows protocols
- The configuration of Samba
- Troubleshooting
- Linux as SMB client

E-MAIL

- TCP/IP e-mail architecture
- E-mail protocols
- POSTFIX Mail server
- Sendmail mail server
- E-mail Security

NETWORK SECURITY

- Overview of Radius service for authentication and control of access to resources

PRACTICAL WORK

Theoretical lectures alternate with immediate application through several practical sessions to provide effective instruction.

Methods and best practices to effectively implement Linux network services.

Feedback from Linux specialists.