SETC Training Corporate Logo

IT Networks Training: Design, Troubleshooting & Diagnostics (NETINF, 4 jours)

Description

The course Design, Troubleshooting & Diagnostics (IT Networks Training) is an introduction to networking in a multi-platform environment. Beginning with the design and architecture of the physical network, the course proceeds to a discussion of logical network design for IPv4 & IPv6. The training includes IPv4 & IPv6 addressing, VLANs, routing protocols (RIP, OSPF, BGP),naming services (DNS & DNSv6), autoconfiguration services (DHCP & DHCPv6), as well as QoS & security considerations. The course also includes a thorough discussion on troubleshooting tools & techniques for corporate networks.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Introduction to Networking

- Introducing TCP/IP
- About TCP/IP and Accessible Networks
- IP Addresses and the Network Card
- Static versus Dynamic Addresses
- The IP Address, the Subnet Mask and the Default Gateway
- About Routers, Switches and Bridges
- The role of the DHCP Server
- The role of the DNS Server
- Understanding the Entire Network

IPV4 Essentials

- TCP/IP Technologies
- About DHCP for IPV4
- About DNS for IPV4
- Sub-netting for IPV4
- Planning an IPV4 Network
- IPV4 and Security/Encryption
- IPV4 and Wireless Networks
- Implementing IPV4

Implementing IPV4

- Installing the DNS Server
- Configuring the DNS Server
- Installing Active Directory
- Configuring DHCPV4
- Managing Reservations and Leases
- Adding Clients to the Network
- Adding File Shares
- Adding Printers
- Managing the Network

IPV6 Essentials

- The Need for IPv6: An Overall Strategy