RETI-A - Advanced concepts of networking

ITCore Networking - Teoria delle Reti - Networking

Durata:	Lingue:	Certificazione:
3 Giorni	**Italiano**	**-**

Descrizione del corso

The aim of the course is to analyze the main themes connected to networking and network device management. The lessons will cover topics related to the management of a corporate network, the management and the analysis of network traffic, the routing packets inside and outside the LAN and the firewall rules to protect your own infrastructure.

Programma

VLAN

- Basic concept of VLAN
- Interface access and trunk
- VLAN configuration on various switch models
- Switch multilayer and inter-VLAN routing
- The VTP protocol

Spanning Tree

- General theory of the spanning tree
- Spanning tree typologies: CST, PVST, RSTP, MST
- Configuration and best practices

Routing e subnetting

- Subnetting – SLSM vs VLSM
- Purposes and functions of routing protocols
- OSPF and EIGRP – basic theory and configuration

Firewall and security

- Firewall typologies: NGFW vs UTM
- NAT and secure publishing of outward services

- DMZ: physical and virtual implementation
- IDS and IPS

WAN

- Dedicated lines: HDLC and PPP
- The DSL technology
- VPN and MPLS

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