

# Network Training: Technology & Implementation (NTVLAN, 3 jours)

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## Description

The course Technology & Implementation (Network Training) is an introduction to corporate networking from A - Z. The training includes IPv4 & IPv6 addressing, routers, switches & network services. The course discusses network design, router & switch configuration and network services such as DNS, DHCP, firewalls & IDS systems. This training course explores every aspect of VLANs including the use of virtualization solutions, VLAN tagging and virtual network design.

## Tarifs

- Tarification: \$2,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

## Plan de cours

### Modern Network Architecture and Design

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Network Topology Overview

IPv4 Addressing Recap

Routers and Layer 3 Switches

Stateful Address Auto-Configuration: DHCPv4

Name Resolution: DNSv4 and DNSv6

Routing Protocols: RIP and OSPF

Exploring VOIP: SIP and Other Considerations

Exploring Virtualization Solutions in the Network

The Limitations of Physical Network Design

### VLANs

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VLANs: What they are and how they work

Design Considerations for VLANs

Redesigning the Network with VLANs

Exploring Trunking and VLANs

Understanding VLAN Tags

VLAN Tagged vs Untagged

Implementing VLAN Tags on Layer 3 Switches

About DHCP and VLANs

### Exploring Network Traffic

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Using WireShark to Inspect Traffic

Configuring WireShark for a Trace

Interpreting the Physical Network

Exploring Routing

Interpreting Application Level Data

Exploring Virtualization

Exploring VLAN Tags

Troubleshooting VLAN Configuration

### Practical Considerations

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Virtualization Solutions and VLANs

Exploring Segmentation and Applications

Exploring VOIP Implementation

Exploring QoS Theory

Implementing QoS

Exploring IPv6 (If Time Permits)