

ACFE LAN

Alcatel-Lucent OmniSwitch LAN R6/7/8

ACFE LAN (For Data Network Experienced)-----1810€

- OmniSwitch Series (*Prerequisite*): [DT00WTE209](#) / 6 hours-----240€
- OmniSwitch LAN Bootcamp: [DT00CTE120](#) / 5 days -----1440€
- ACFE OmniSwitch LAN R6/7/8: [DT00TC1W13](#) / Online exam-----130€

Description

OmniSwitch Series (*Prerequisite*): [DT00WTE109](#) / 6 hours online

PUBLIC

Networks and technical support engineers, technicians, network operators in data networks infrastructure environments.

OBJECTIVES

At the end of the course, the participant will be able to:

Understand the main OSI layer 2 and layer 3 networking basic concepts like ARP, Routing, QoS.

Understand the capabilities and hardware characteristics of each chassis, board, stacks for the OmniSwitch 6xxx,9xxx and 10k series.

Understand the management possibilities like CLI, Webview and OmniVista 2500 NMS.

DURATION & METHODS

6 hours in online self-paced training

PREREQUISITES

Students should be familiar with basic networking terminology and concepts.

PROGRAM DESCRIPTION

- Networking basics

- OmniSwitch hardware
- Device management

TEMARIO Y DOCUMENTOS EN **KNOWLEDGE HUB**

OmniSwitch LAN Bootcamp: DT00CTE120 / 5 days

PUBLIC

Networks and technical support engineers, technicians, network operators in data networks infrastructure environments.

OBJECTIVES

At the end of the course, the participant will be able to: Implement and support a LAN network comprised of Alcatel-Lucent's OmniSwitch R6: 9000E, 6850E/6855, 6400, 6450 and 6250 Series of switches, OmniSwitch R7: 6900 and 10k series of switches, and R8: 6860 series of switches. Notice: The practical hands on are done on a Remote Lab unless otherwise specified by the instructor.

DURATION & METHODS

5 days in classroom with practical sessions

PREREQUISITES

To have attended the on-line course DT00WTE109: OmniSwitch Series To have a basic understanding of routing principles (IP, RIP OSPF, BGP). Knowledge of Layer 2 technologies, SNMP and MIB

It is recommended to have network administration knowledge (SNMP, other administration tools) To have followed OmniSwitch Configuration courses (DT00CTE115, 116, 120, 125)

PROGRAM DESCRIPTION

- Alcatel-Lucent Enterprise Data Solution description
- OmniSwitch R6/R7/R8 Overview and architecture
- System Administration
- AOS Operating System code upgrade
- Edge "Virtual chassis" management
- VLAN description and configuration
- LLDP setup
- Static and Dynamic Link Aggregation
- Multi-Chassis Link Aggregation
- Spanning Tree protocol standards and configuration
- IP Interfaces (VLAN, loopback)
- IP Routing Protocols Configuration
- VRRP
- Static routes
- Universal Network Profile

- RIP Routing
- OSPF routing
- Layer 3 Options and Protocol Redistribution
- IP Multicast Routing configuration
- BGP Concepts and Basic Configuration
- Virtual Routing and Forwarding
- Quality Of Service
- Server Load Balancing
- Security Network access Control
- Flow Based Filtering
- Access Guardian 2.0 and Policies definition
- BYOD with ClearPass
- Consistent AOS network security
- Basic maintenance and diagnostic tools