

# Dell Networking Data Center Advanced Features & Administration

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<b>Code:</b>	975-2160
<b>Length:</b>	4 days
<b>URL:</b>	<a href="#">View Online</a>

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This 4-day instructor-led course will focus on the knowledge and skills necessary to configure Virtual Link Trunking (VLT) and the use of Dell's Active Fabric Manager (AFM) proprietary automation tool. The course will also provide an overview of the Dell Networking product lines for Data Center including the Dell C, S, Z series, and MXL switch series. In addition, networking topics including VLAN, Spanning Tree, VRRP, and routing protocols will be discussed. This course also includes an exam. Upon successful completion of the exam with a passing score of 80%, your course certificate will be available to print out.

## Skills Gained

Upon completion of this course, you will be able to:

- Identify the Dell Networking product portfolio, the architecture and components of the different series switches, including Open Networking ready switches
- Use the command line interface to configure switch behavior and solve basic troubleshooting issues
- Learn the different implementation of Spanning Tree in Dell Networking and configure MSTP
- Identify the type of ACLs used in Dell Networking, implement and test proper functioning
- Become familiar with VRRP configuration and use case scenarios
- Become familiar with the use of IP version 6 in a data center environment
- Learn OSPFv3 implementation in Dell Networking
- Configure proper stacking with Dell Networking switches
- Understand the component of VLT, configure and troubleshoot implementation
- Learn how to design a fabric, deploy and validate with Active Fabric Manager

## Who Can Benefit

IT Professionals and Network Administrators who implement and support Dell Networking Data Center product lines—C, S, and Z series

## Prerequisites

Strongly recommended:

- Course: Dell Networking Data Center Overview & Basic Administration eLearning, or
- A good working knowledge of Dell Networking OS 9 products and features

# Course Details

## Course Topics

- Dell Networking Overview
- Interfaces
- Spanning Tree
- ACLs
- VRRP
- OSPFv3
- VLT
- AFM
- OMNM
- Stacking

## Course Outline

### Day 1

- Dell Networking Product Overview and CLI Summary
- Interfaces (Physical, Port Channel, VLAN)
- Spanning Tree Overview

### Day 2

- Access Control Lists Overview, Configuration, and Troubleshooting
- VRRP Configuration and Troubleshooting
- IPv6 Overview and Methods of Configuration

### Day 3

- OSPFv3 Overview, Basic Configuration, and Troubleshooting
- VLT Overview, Configuration, Verification, and Troubleshooting

### Day 4

- Stacking Overview and Configuration
- Dell Open Manage Networking Manager (OMNM)
- AFM Overview, Fabric Design, Deployment, and Troubleshooting

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