**DELL**Technologies

# Dell Networking Concepts and Features
## Course Description

### Course Duration
40 Hours

### Overview

This on-demand course provides the learner with an understanding of basic networking concepts and features. This course provides introduction to different technologies used in enterprise Campus and Data Center networks.

### Audience

This course is intended for those that are new to the computer networking field and Dell networking products. This course is delivered through on-demand training with hands-on activities and video demonstrations.

### Prerequisite Knowledge/Skills

The pre-requisite for this course is that the student must basic knowledge of computer networks.

### Course Objectives

Upon successful completion of this course, participants should be able to:

- List the Dell Networking products and its features
- Perform initial switch configuration with OS6 and OS10 CLI commands
- Configure and verify VLAN, LLDP, LAG, STP, DHCP and IPV6
- Design and configure subnets in a computer network
- Configure and verify Access control Lists
- Configure and verify static and dynamic routing
- Install operating system (OS10 and OS6) and troubleshoot errors
- Explain SmartFabric Services and its features

**Support Contact**
Education Services

**DELL EMC Corporation**
Hopkinton
Massachusetts
01748-9103
1-508-435-1000
In North America
1-866-464-7381

### Course Outline

The content of this course is designed to support the course objectives.

- Dell Networking Concepts and Features
    - Dell Networking Introduction
    - Ethernet
    - Initial Switch Configuration
    - Link Layer Discovery Protocol
    - Virtual LANS
    - Spanning Tree Protocol
    - Link Aggregation Group
    - Storage Networking
    - Subnetting

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– Basic Routing
– Network Services
– Security
– IPV6
– Device Management
– SmartFabric Services

## Course Delivery Modes and Product Version Information

Refer to the **Product Version Description** document for a list of Delivery Modes and product versions covered by this course.

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