

## Associate – Networking Version 2.0

### Certification Description



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#### Certification Overview

This certification validates the ability to perform basic skill level tasks in installing, configuring, maintaining and troubleshooting Dell Technologies Networking products.

#### Certification Requirements

To complete the requirements for this certification you must:

Pass the following Associate level exam on or after September 16, 2022.

- [DEA-5TT2 Associate - Networking Exam](#)

Note: These details reflect certification requirements as of September 16, 2022.

#### Other Certification Recommendations

This certification will qualify towards the following Specialist level certifications in the Dell Technologies Proven Professional Program:

- [Specialist – Implementation Engineer, Campus Networking Version 1.0](#)
- [Specialist – Implementation Engineer, Data Center Networking Version 1.0](#)
- [Specialist – Infrastructure Security Version 1.0](#)

\*The Proven Professional Program periodically updates certification requirements. Please check the [Proven Professional CertTracker](#) website regularly for the latest information and for other options to meet the Associate level requirement.

**Dell Inc.**  
Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America  
1-866-464-7381

## DEA-5TT2 Associate – Networking Exam

### Exam Description



#### Duration:

90 Minutes  
(~60 Questions)

#### Pass Score:

60%

#### Practice Test

Exam [DEA-5TT2](#)

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#### Overview

This exam is a qualifying exam for the **Associate - Networking** track.

This exam focuses on basic Networking foundational skills and portfolio introduction.

Dell Technologies provides free practice tests to assess your knowledge in preparation for the exam. Practice tests allow you to become familiar with the topics and question types you will find on the proctored exam. Your results on a practice test offer one indication of how prepared you are for the proctored exam and can highlight topics on which you need to study and train further. A passing score on the practice test does not guarantee a passing score on the certification exam.

#### Products

Products likely to be referred to on this exam include but are not limited to:

- Dell EMC Networking Switches

#### Exam Topics

Topics likely to be covered on this exam include:

##### Network Essentials (5%)

- Explain the purpose and function of network devices such as switches and routers
- Distinguish between interface and cabling options (Copper, Fibre, Breakout)
- Configure and verify the initial configuration steps for a switch

##### Ethernet Technologies (40%)

- Describe how Ethernet addressing and framing operates (Source learning, Mac address tables)
- Describe the operation and behavior of LLDP, VLANs, STP, LAG (Link Layer Discovery Protocol, Virtual LANs, Spanning-Tree Protocol, Link Aggregation Group)
- Identify the CLI commands to configure and verify LLDP, VLANs, STP, LAG (Link Layer Discovery Protocol, Virtual LANs, Spanning-Tree Protocol, Link Aggregation Group)
- Configure and verify common storage networking features (flow control, MTU, Portfast)

##### IP Networking (25%)

- Identify the differences between private and public IP addressing
- Configure and verify the operation of IPv4 addressing (IP address ranges, subnetting, analyze routing table entries)
- Describe the IPv6 address format and types of IPv6 address
- Explain the forwarding logic used by Layer 3 capable devices

- Identify the differences between static and dynamic routing (connected, static, default routes)

**Network Services (5%)**

- Identify the CLI commands to configure and verify the operation of DHCP
- Describe the operation and behavior of the NTP service
- Identify the CLI commands to configure and verify the operation of NTP

**Security Essentials (10%)**

- Describe the options for securing access to a network switch (best practices for interface configuration, VLAN settings, securing spanning tree etc.)
- Configure and verify local authentication
- Configure and verify ACLs (Access Control Lists)

**Network Operations (10%)**

- Identify the CLI commands to transfer files to/from switches
- Troubleshoot common connectivity problems (link down, VLAN access, IP reachability, Blocked ports)
- Outline the recommended steps during a switch OS upgrade (OS10 update)
- Identify the CLI commands to enable a switch for SNMP monitoring

**Automation (5%)**

- Explain the role and advantages of using Smart Fabric Services
- Configure and verify the enablement of Smart Fabric Services

**Recommended Training**

The following curriculum is recommended for candidates preparing to take this exam.

**Please complete one of the following courses**

Course Title	Course Number	Mode	Available
Dell Networking Concepts and Features v2	ESNETD03880	On-Demand course	2022
Dell Networking Concepts and Features v2	ESNETS03879	Classroom	2022

Note: These exam description details reflect contents as of September 16, 2022.

The Proven Professional Program periodically updates exams to reflect technical currency and relevance. Please check the Proven Professional website regularly for the latest information.