

# Virtual Cloud Network: Core Technical Skills

## OVERVIEW

**Release date:** January 1, 2021

**Micro-course length:** 9 hours

**Micro-course format:** Online accessible through Kivuto or D2L

**Delivery:** Instructor-led or self-paced

**Upon completion:** Users will be ready for the VCTA-NV certification exam

## Summary

Through VMware IT Academy, "Virtual Cloud Network: Core Technical Skills" prepares the learner for a starting position in the computer networking domain. Through a series of targeted, self-paced lessons, the student acquires the skills to perform operational tasks typically assigned to the roles of operator or junior administrator.

## Prerequisites

Learners should have a good understanding of the basic computer networking of the data center:

- o Networking fundamentals
- o Routing protocols
- o Switching protocols
- o Firewall operations

## Target audience

- o Upper-secondary students
- o Community college/technical college
- o College and university
- o Technical learners/professionals



## Modules

1. Software-Defined Data Center
2. VMware SDDC Solutions
3. VMware vSphere Components and Features
4. Network Virtualization
5. Virtual Switches Overview
6. vSphere Standard Switches
7. vSphere Distributed Switches
8. Management, Control and Data Plane
9. Software Defined Networking
10. Introduction to NSX-T Data Center
11. NSX-T Data Center Components
12. NSX-T Data Center Architecture
13. Benefits of NSX-T Data Center Logical Switching
14. NSX Logical Switching Components
15. NSX Logical Switching
16. Benefits of NSX-T Data Center Logical Routing
17. NSX Routing Components
18. NSX Logical Routing
19. Micro-segmentation
20. Zero-Trust Security
21. NSX Data Center Firewalls
22. NSX DHCP
23. NSX DNS
24. NSX NAT
25. NSX Load Balancing
26. NSX VPNs
27. Virtual Cloud Network
28. Certification Information
29. VMware Core Technical Skills Survey \*

For additional information, please contact [itacademy@vmware.com](mailto:itacademy@vmware.com).

