Course Training

Associate VMware Network Virtualization (vcta-dcv)

Course Content

The VMware Certified Technical Associate - Network Virtualization 2024 [v2] (VCTA-NV 2024) certification validates an individual's foundational knowledge and skills in network virtualization using VMware NSX technologies. This certification is suitable for entry-level professionals who are interested in working with network virtualization technologies. Job-roles associated with this certification include entry-level network administrators and technicians.

Course Objectives

By the end of the course, you should be able to meet the following objectives:

- Create, clone, and deploy a vApp
- Describe and use the content library
- Migrate virtual machines with VMware vSphere® vMotion®
- Use VMware vSphere® Storage vMotion® to migrate virtual machine storage
- Monitor resource usage and manage resource pools
- Use esxtop to identify and solve performance issues
- Discuss the VMware vSphere® High Availability cluster architecture
- Configure vSphere HA
- Manage vSphere HA and VMware vSphere® Fault Tolerance
- Use VMware vSphere® Replication™ and VMware vSphere® Data Protection™ to replicate virtual machines and perform data recovery
- Use VMware vSphere® Distributed Resource Scheduler™ clusters to improve host scalability
- Use VMware vSphere® Update Manager™ to apply patches and perform basic troubleshooting of ESXi hosts, virtual machines, and vCenter Server
- Operations

Course Prerequisite

- Good understanding of networking protocols
- Good understanding of the VMware environment
- Basic computer literacy
- Basic knowledge of the Microsoft Windows operating system
- Basic Internet skills

Who should attend

- Network Design Engineers

- Sales Engineers
- System Engineers
- Cisco Channel Partners

Course Outline

- Introduction to vSphere and the Software-Defined Data Center
- Creating Virtual Machines
- Summary challenge advance lab for Create Virtual Machine
- vCenter Server
- Configuring and Managing Virtual Networks
- Summary challenge advance lap for vCenter
- Configuring and Managing Virtual Storage
- Virtual Machine Management
- Summary challenge advance lap for vCenter (Continuous) and vApp
- Resource Management and Monitoring
- vSphere HA, vSphere Fault Tolerance, and Protecting Data
- Summary challenge advance lap for vSphere HA clustering
- vSphere DRS
- vSphere Update Manager
- ummary challenge advance lap for DRS and dVS