

VMware NSX-T Data Center: Design (NSXTDCD)

ID NSXTDCD Preis 3.750,- € (exkl. MwSt.) Dauer 5 Tage

Dieser Advanced-Kurs wird direkt von VMware durchgeführt.

- [VMware NSX-T Data Center: Install, Configure, Manage \(NSXTDCICM\)](#)

Kursüberblick

This five-day course provides comprehensive training on considerations and practices to design a VMware NSX-T™ Data Center environment as part of a software-defined data center strategy. This course prepares the student with the skills to lead NSX-T Data Center design offered in the NSX-T Data Center 2.4 release, including design principles, processes, and frameworks. The student gains a deeper understanding of NSX-T Data Center architecture and how this can be leveraged to create solutions to address the customer's business needs.

Product Alignment

- NSX-T Data Center 2.4

Zielgruppe

- Experienced system administrators or network administrators

Empfohlenes Training für die Zertifizierung zum

VMware Certified Advanced Professional - Network Virtualization Design 2021 (VCAP-NV DESIGN 2021)

Voraussetzungen

- Good understanding of TCP/IP services
- Working experience with enterprise switching and routing
- Good understanding of network security and working experience with firewalls

It is recommended that you attend the following course:

Kursziele

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

- Understand and apply a design framework
- Apply a design process for gathering requirements, constraints, assumptions, and risks
- Analyze existing physical networking and security components, processes, and operations
- Design a VMware vSphere virtual data center to support NSX-T Data Center requirements
- Design a physical network to support network virtualization in a software-defined data center
- Design logical network services
- Design logical security services
- Design a data center rack solution to support scalability and high availability
- Analyze the operational readiness of an organization and perform a skills gap analysis
- Analyze alternative design choices for risk mitigation
- Understand the design and support for NSX-T Data Center infrastructure in a cloud implementation

Kursinhalt

Course Introduction

- Introductions and logistics
- Review course objectives

NSX-T Architecture and Components

- NSX-T Data Center introduction and architecture

- NSX-T Management Cluster
- NSX-T use cases

Basic Design Concepts

- Process and principles of design
- Understand the design process and frameworks
- Understand VVD and its importance

NSX-T Data Center Design Considerations

- Physical infrastructure design
- Virtual infrastructure design

Logical Switching Design

- NSX-T logical switching
- Traffic flooding

NSX-T Edge Design

- Edge VM design
- Edge BareMetal design
- Edge cluster design

Logical Routing Design

- Logical router components
- Multi-tier routing
- Static and dynamic routing
- ECMP
- High availability and router placement

NSX-T Network Services

- NAT, DNS, and DHCP
- Load balancer
- VPN

NSX-T Security Design

- NSX-T security use cases
- NSX-T distributed firewall
- NSX-T gateway firewall
- Security policy methodology

Hosts Cluster and Domain Design

- Compute host cluster design (ESXi/KVM)
- Edge host cluster design
- Multi-Compute workload domain design consideration
- Collapsed management and Edge

resources design

- Dedicated management and Edge resources design
- Enterprise ESXi-based design
- Enterprise KVM-based design

NSX-T Multisite and Cloud Introduction Design

- Multisite capabilities
- Deployment for Multisite Lite
- Multisite Lite failover procedure
- Multisite Lite DR requirements
- HCX
- Integration with Cloud Provider

NSX-T and Containers

- NSX-T Design with PKS and PAS introduction
- NSX-T Design with VCF and containers

Design Lab and Project

- Use case design lab and presentation

Über Fast Lane



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Trainingsmethoden

- ✓ Klassenraumtraining
- ✓ Instructor-Led Online Training
- ✓ FLEX Classroom – Klassenraum und ILO kombiniert
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobiles Lernen

Technologien und Lösungen

- ✓ Digitale Transformation
- ✓ Artificial Intelligence (AI)
- ✓ Cloud
- ✓ Networking
- ✓ Cyber Security
- ✓ Wireless & Mobility
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- ✓ Data Center



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