Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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VMware NSX-T Data Center: Design [V3.0]

Kód:	DÉLKA:	CENA:
VMW_NSXTD3	40 Hours (5 DENNÍ)	Kč bez DPH 54,000.00

Description

Školení je možné absolvovat i online formou "VCL" virtuální školení, více informací ZDE.

Cena školení je 2 060 EUR bez DPH - tato cena bude při fakturaci přepočtena aktuálním kurzem.

Tento pětidenní kurz vám poskytne komplexní školení, informace a postupy pro navrhování prostředí VMware NSX-T ™ Data Center v rámci strategie softwarově definovaného datového centra. Tento kurz vás naučí dovednostem jak řídit návrhy NSX-T Data Center nabízené ve verzi NSX-T Data Center 3.0, včetně principů designu, procesů a rámců. Student získá hlubší znalosti o architektuře NSX-T Data Center a o tom, jak je možné toho využít k vytvoření řešení pro obchodní potřeby zákazníka.

Cíle

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 multi data center infrastructure

Určeno pro

- Network and security architects and consultants who design the enterprise and data center networks and NSX environments

Vstupní znalosti

Before taking this course, you should have completed the following course:
- VMware NSX-T Data Center: Install, Configure, Manage [V3.0]

You should also have the understanding or knowledge of these technologies:
- Good understanding of TCP/IP services and protocols
- Knowledge and working experience of computer networking, including:
- Switching and routing technologies (L2-L3)
- Network and application delivery services (L4-L7)
- Knowledge and working experience of VMware vSphere® environments and KVM-based environments

The VMware Certified Professional – Network Virtualization (2020) certification is recommended.

Program

1 Course Introduction
- Introductions and course logistics
- Course objectives

2 Basic Design Concepts
- Process and principles of design
- Describe the design process and frameworks
- Explain VVD and its importance

3 NSX-T Data Center Architecture and Components
- Explain the NSX-T Data Center and Virtual Cloud Network
- Describe the NSX-T Data Center architecture and use cases
- List the NSX-T Management cluster design considerations

4 NSX-T Data Center Design Considerations
- Explain physical infrastructure design considerations
- Explain virtual infrastructure design considerations
- List the collapsed management and VMware NSX® Edge™ resources design considerations
- Explain dedicated management and NSX Edge resources design

5 Logical Switching Design
- Explain the VMware NSX-T™ logical switching design concepts
- Describe the traffic flooding concepts

6 NSX-T Data Center Edge Design
- List the NSX Edge VM design considerations
- Explain NSX Edge BareMetal design considerations
- Describe NSX Edge cluster design
- Explain Bridge design considerations

7 Logical Routing Design
- Explain logical router components
- Describe multitier routing
- Explain IPv6 addressing and routing design concepts
- Multi-compute workload domain design considerations
- High availability and router placement

8 NSX-T Data Center Network Services
- Explain the functionality of NAT, Proxy ARP, DHCP, and metadata proxy and design considerations
- Describe the load balancer considerations
- Explain the VPN design considerations

9 NSX-T Data Center Security Design
- Explain the distributed firewall design concepts
- Explain the Gateway firewall design concepts
- Describe the security policy methodology

10 NSX-T Data Center Federation Design
- Explain the Federation functionality
- Explain the design concepts for Federation components
- Describe the design involved for Federation networking
- Describe the design involved for Federation security

11 NSX-T Data Center and Containers
- Understand VMware Tanzu™
- Understand NSX-T Data Center for Kubernetes
- Understand IPv6 for Kubernetes PODs
- Understand NSX-T Data Center design options for VMware Tanzu
- Describe NSX-T Data Center design recommendations for VMware Tanzu

Termíny školení

Termíny školení na vyžádání, kontaktujte nás prosím

Dodatečné informace

Školení je možné zajistit na míru. Kontaktujte nás pro bližší informace.