



Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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Kód:	DÉLKA:	CENA:
VMW_NSXTTO32	40 Hours (5 DENNÍ)	Kč bez DPH 52,000.00

Description

Cena školení je 2060 EUR bez DPH - tato cena bude při fakturaci přepočtena aktuálním kurzem.

Tento pětidenní praktický kurz vám poskytne pokročilé znalosti, dovednosti a nástroje k dosažení kompetencí při provozu a řešení problémů v prostředí VMware NSX-T™ Data Center. V tomto kurzu vás seznámíme s pracovními postupy různých konstrukcí sítí a zabezpečení spolu s několika nástroji pro správu a odstraňování problémů, které pomáhají spravovat a odstraňovat vaše NSX-T Data Center. Kromě toho vám budou představeny různé typy technických problémů, které budete systematicky identifikovat, analyzovat a řešit.

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Cíle

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

- Use the native tools available in NSX-T Data Center to identify and troubleshoot the problems related to the NSX-T Data Center environment
- Use VMware vRealize® Log Insight™ and VMware vRealize® Network Insight™ to identify and troubleshoot the problems related to the NSX-T Data Center environment
- Explain the NSX-T Data Center infrastructure components and the communications between them
- Identify, analyze, and troubleshoot problems related to the management, control, and data planes in NSX-T Data Center
- Identify, analyze, and troubleshoot problems related to infrastructure preparation in NSX-T Data Center
- Identify, analyze, and troubleshoot problems related to logical switching and logical routing in NSX-T Data Center
- Identify, analyze, and troubleshoot network security problems related to the NSX-T Data Center Distributed and Gateway firewalls
- Identify, analyze, and troubleshoot problems related to VPN and the VMware NSX® Advanced Load Balancer™
- Identify the components and packet flows involved in the NSX-T Data Center datapath and troubleshoot related problems

Určeno pro

- Experienced system administrators and network administrators
- Network and security professionals who work with enterprise and data center networks

Vstupní znalosti

Before taking this course, you must complete the following course:

- VMware NSX-T Data Center: Install, Configure, Manage [V3.2]

You should also have understanding or knowledge of these technologies:

- Good understanding of TCP/IP services and protocols
- Knowledge and working experience of computer networking and security, including:
 - o Switching and routing technologies (L2-L3)
 - o Network and application delivery services (L4-L7)
 - o Firewalling (L4-L7)
 - o VMware vSphere® environments

The VMware Certified Professional – Network Virtualization certification is recommended.

Program

- 1 Course Introduction
 - Introduction and course logistics
 - Course objectives
- 2 NSX-T Data Center Operations and Tools
 - Explain and validate the native troubleshooting tools (dashboards, Traceflow, live traffic analysis, port mirroring) for the NSX-T Data Center environment
 - Configure syslog, IPFIX, and log collections for the NSX-T Data Center environment
 - Integrate NSX-T Data Center with vRealize Log Insight and vRealize Network Insight
 - Validate and review the API methods available to configure the NSX-T Data Center environment
- 3 Troubleshooting the NSX Management Cluster
 - Describe the NSX Management cluster architecture, components, and communication channels
 - Identify the workflows involved in configuring the NSX Management cluster
 - Validate and troubleshoot the NSX Management cluster formation
- 4 Troubleshooting Infrastructure Preparation
 - Describe the data plane architecture, components, and communication channels
 - Explain and troubleshoot VMware ESXi™ transport node preparation issues
 - Explain and troubleshoot KVM transport node preparation issues
 - Explain and troubleshoot VMware NSX® Edge™ transport node preparation issue
- 5 Troubleshooting Logical Switching
 - Describe the architecture of logical switching
 - List the modules and processes involved in configuring logical switching
 - Explain the importance of N-VDS and VDS in transport nodes
 - Describe the procedure to migrate from N-VDS to VDS
 - Review the architecture and workflows involved in attaching workloads to segments
 - Identify and troubleshoot common logical switching issues
- 6 Troubleshooting Logical Routing
 - Review the architecture of logical routing and NSX Edge nodes
 - Explain the workflows involved in the configuration of Tier-0 and Tier-1 gateways
 - Explain the high availability modes and validate logical router placements
 - Identify and troubleshoot common logical routing issues using both BGP and OSPF
- 7 Troubleshooting Security
 - Review the architecture of the Distributed Firewall
 - Explain the workflows involved in configuring the Distributed Firewall
 - Review the architecture of the Gateway Firewall
 - Explain the workflows involved in configuring the Gateway Firewall
 - Identify and troubleshoot common distributed firewall and Gateway Firewall issues
- 8 Troubleshooting Services
 - Review the NSX Advanced Load Balancer architecture and components
 - Identify and troubleshoot common NSX Advanced Load Balancer issues
 - Review of IPsec and L2 VPN architecture and components
 - Identify and troubleshoot common IPsec and L2 VPN issues
- 9 Datapath Walkthrough
 - Verify and validate the path of the packet on the NSX datapath (East-West and South-North)
 - Identify and perform packet captures at various points in the datapath
 - Use NSX CLI and native hypervisor commands to retrieve configurations involved in the NSX datapath

Termíny školení

Termíny školení na vyžádání, [kontaktujte nás prosím](#)

Dodatečné informace

Školení je možné zajistit na míru. [Kontaktujte nás pro bližší informace.](#)