



Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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VMware NSX-T Data Center: Troubleshooting and Operations [V3.2]

Kód:	DÉLKA:	CENA:
VMW_NSXTTO3	5 (den)	Kč 52,000.00

Description

Školení je možné absolvovat i online formou "VCL" virtuální školení, více informací [ZDE](#).

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 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 the following problems related to the NSX-T Data Center:
 - Management, control, data planes, installation, and upgrade
 - Logical switching and logical routing
- Identify, analyze, and troubleshoot network security problems related to the NSX-T Data Center distributed firewall, Gateway firewall, service insertion, and endpoint protection
- Identify, analyze, and troubleshoot problems related to VPN and load balancer services
- Identify the components and packet flows involved in the NSX-T Data Center datapath and troubleshoot various problems that could occur in the datapath

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 should have completed the VMware NSX-T Data Center: Install, Configure, Manage [V3.0] course. You should also have the following understanding or knowledge:
 - 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 NSX-T Data Center Operations and Tools
 - Explain and validate the native troubleshooting tools (dashboards, traceflow, 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 APIs 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 issues
- 5 Troubleshooting Logical Switching
 - Understand 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
 - Review the architecture and workflows involved in configuring OVS
 - 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 HA modes and logical router placements
 - Identify and troubleshoot common logical routing issues
- 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
 - Describe the architecture and workflows of North-South and East-West Service Insertion
 - Troubleshoot North-South and East-West service insertion
 - Describe the architecture and workflows of endpoint protection
 - Troubleshoot endpoint protection
- 8 Troubleshooting Load Balancing and VPN Services
 - Review load balancer architecture and components
 - Identify and troubleshoot common load balancing issues
 - Review of IPsec and L2 VPN architecture and components
 - Identify and troubleshoot common IPsec and L2 VPN issues
- 9 NSX-T Data Center Upgrade
 - Review and perform the backup and restore of the NSX-T Data Center environment
 - Identify the proper sequence of steps to upgrade NSX-T Data Center
 - Describe the necessary pre-upgrade and post-upgrade checks
 - Understand the upgrade coordinator architecture
 - Review and troubleshoot the upgrade process for NSX-T Data Center environment
- 10 Datapath Walkthrough
 - Verify and validate the path of the packet on the NSX-T datapath (East-West and North-South)
 - Identify and perform packet captures at various points in the datapath
 - Use nsxcli to retrieve several configurations involved in the NSX-T datapath

Termíny školení

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

Dodatečné informace

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