



Enterprise Computing Solutions - Education Services

## NABÍDKA ŠKOLENÍ

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**Prosím kontaktujte nás zde**

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<b>Kód:</b>	<b>DÉLKA:</b>	<b>CENA:</b>
VMW_NSXTO4	40 Hours (5 DENNÍ)	Kč bez DPH 52,000.00

## Description

Cena kurzu je 2060 EUR bez DPH a bude přepočtena aktuálním kurzem v poslední den školení.

Tento pětidenní praktický kurz poskytuje pokročilé znalosti, dovednosti a nástroje k dosažení kompetencí v oblasti provozu a řešení problémů infrastruktury VMware NSX. Tento kurz vás seznámí s pracovními postupy různých síťových a bezpečnostních konstrukcí spolu s několika provozními nástroji a nástroji pro řešení problémů, které vám pomohou spravovat a řešit problémy v prostředí VMware NSX.

Kromě toho jsou vám představeny různé typy technických problémů, které budete identifikovat, analyzovat a řešit systematickým postupem.

## Cíle

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

- Use the native tools available in NSX to identify and troubleshoot the problems.
- Use VMware Aria Operations for Logs and VMware Aria Operations for Networks to identify and troubleshoot problems related to the NSX environment
- Explain the NSX infrastructure components and the communications between them
- Identify, analyze, and troubleshoot problems related to the management, control, and data planes in NSX
- Identify, analyze, and troubleshoot problems related to infrastructure preparation and VMware NSX Edge deployments
- Identify, analyze, and troubleshoot problems related to logical switching and logical routing
- Identify, analyze, and troubleshoot network security problems related to the Distributed firewalls, Gateway firewalls, and Distributed IDS/IPS.
- Identify, analyze, and troubleshoot problems related to VPN and VMware NSX Advanced Load Balancer
- Identify the components and packet flows involved in the NSX datapath and troubleshoot related problems

## Určeno pro

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

## Vstupní znalosti

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

- VMware NSX: Install, Configure, Manage [V4.0]

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 and L3)
  - o Network and application delivery services (L4 through L7)
  - o Firewalling (L4 through L7)
  - o VMware vSphere environments

The VMware Certified Professional – Network Virtualization certification is recommended.

## Program

- 2 NSX Operations and Tools
  - Explain and validate the native troubleshooting tools for NSX
  - Configure syslog, IPFIX, and log collections for the NSX environment
- 1 Course Introduction
  - Introduction and course logistics
  - Course objectives
- Integrate NSX with VMware Aria Operations for Logs and VMware Aria Operations for Networks
- Validate and review the API methods available to configure the NSX 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 NSX Edge deployment issues
- 5 Troubleshooting Logical Switching
  - Describe the architecture of logical switching
  - List the modules and processes involved in configuring logical switching
  - Explain the importance of VDS in transport nodes
  - 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
  - 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
  - Review the architecture and workflows involved in configuring Distributed IDS/IPS
  - Identify and troubleshoot common Distributed IDS/IPS problems.
- 8 Troubleshooting the NSX Advanced Load Balancer and VPN Services
  - Review the NSX Advanced Load Balancer architecture and components
  - Identify and troubleshoot common NSX Advanced Load Balancer issues
  - Review the 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
  - 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

## Zkoušky a certifikace

VMware Certified Professional - Network Virtualization 2023  
 VMware Certified Professional - Security 2023  
 VMware Certified Advanced Professional - Network Virtualization Deploy 2023

## Termíny školení

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

## Dodatečné informace

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