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TRAINING OFFERING

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VMware NSX: Troubleshooting and Operations [V6.4]

CODE:	LÄNGE:	PREIS:
VMW_NSXTO4	40 Hours (5 Tage)	€3,750.00

Description

This five-day, hands-on training course provides you with the advanced knowledge, skills, and tools to achieve competence in operating and troubleshooting the VMware NSX® 6.4 environment. In this course, you will be introduced to several operational, management, and troubleshooting tools. You will be presented with various types of technical problems, which you will identify, analyze, and solve through a systematic process.
Product Alignment*
    NSX 6.4
    VMware vRealize® Network Insight™ 3.6
    VMware vRealize® Log Insight™ 4.5
    *Dieses Seminar wird mit der aktuellsten Version, die für dieses Seminar verfügbar ist, durchgeführt.

Lernziel

By the end of the course, you should be able to meet the following objectives:
    Establish and apply a structured troubleshooting approach and methodology
    Explain the native NSX tools, VMware vRealize® Suite tools, and partner tools that are useful for monitoring, troubleshooting, and operations
    Explain the NSX infrastructure components and the communications between them
    Identify, analyze, and troubleshoot problems related to the NSX management, control, and data planes
    Identify, analyze and troubleshoot problems related to NSX logical switching, logical routing, and VMware NSX® Edge™ services
    Identify, analyze, and troubleshoot network security problems related to the NSX distributed firewall and the NSX Edge firewall

Zielgruppe

Network professionals who work with enterprise networks and VMware Sphere® 6.x

Voraussetzungen

    Knowledge and working experience of computer networking, including:
        Switching and routing technologies (L2-3)
        Network and application delivery services (L4-7)
    Knowledge and working experience of vSphere
    Knowledge and working experience of NSX installation, configuration, management, and operations

    Before taking this course, you ought to take either the VMware NSX: Install, Configure, Manage course or the VMware NSX for Internetworking Experts Fast Track course.

Inhalt

    Course Introduction
        Introduction and course logistics
        Course objectives
        Resources and references
        Learning paths and certifications
    Troubleshooting Methodology
        Develop a structured troubleshooting approach

Differentiate between symptoms and root causes
Identify and isolate problems residing in various areas
Apply an appropriate methodology and procedure to troubleshooting
NSX Troubleshooting and Operational Tools
Discuss NSX operational requirements
Use the native NSX tools (such as the central CLI, NSX dashboard, Application Rule Manager, and more) to solve various types of problems
Use vRealize Network Insight to identify and analyze problems
Use vRealize Log Insight Content Pack for NSX in troubleshooting and operations
Troubleshooting and Operating NSX Infrastructure
Explain the NSX infrastructure and component communications
Troubleshoot NSX Manager and the management plane
Troubleshoot NSX Controller and the control plane
Troubleshoot problems in host preparation
Troubleshooting and Operating NSX Logical Switches
Explain VXLAN and logical switching components
Verify the VXLAN and logical switch configuration and status
Identify and troubleshoot common layer 2 configuration errors
Use the GUI, the CLI, packet capture, traceflow, and other tools to troubleshoot various logical switching problems
Troubleshooting and Operating NSX Logical Routers
Describe the NSX logical routing architecture
Explain routing components, functions, and communications
Verify logical router configuration settings
Use packet capture on routers and perform packet walk
Use the GUI, the CLI, traceflow, and other tools to troubleshoot various logical routing problems
Troubleshooting and Operating NSX Edge Services
Verify edge services (such as DHCP and DNS) configuration settings and operational status
Troubleshoot various types of VPN services (SSL VPN-Plus, L2 VPN, and IPsec VPN)
Verify the configuration and status of logical load balancers
Troubleshoot common load-balancing and high availability scenarios
Troubleshooting and Operating NSX Security Services
Discuss the NSX distributed firewall architecture, components, communication channels, and features
Use the CLI and other tools to troubleshoot the configuration and operations of the NSX distributed firewall and the NSX Edge firewall
Explain and troubleshoot the Service Composer components and architecture
Troubleshoot common problems related to Identity Firewall
Examine Guest Introspection architecture, components, services, and operations
Verify Guest Introspection deployment configuration and functions, and troubleshoot common problems

Test und Zertifizierung

Wichtige Information
Dieses Seminar behandelt prüfungsrelevante Themen für die Zertifizierung VCP-NV und wird auch als Vorbereitung für die VCAP-NV Zertifizierung empfohlen.

Kurstermine

Auf Anfrage. Bitte kontaktieren Sie uns

Zusätzliche Information

Diese Schulung ist auch als Vor-Ort-Schulung verfügbar. Bitte kontaktieren Sie uns, um mehr zu erfahren.