VersaStack Administration

Category: Infrastructure & IT Operations | **Vendor:** Various

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This course is a two-day Instructor-Led training program that is designed for system and network engineers and administrators implementing and administering VersaStack solutions.

This course covers key implementation procedures, management and basic troubleshooting tasks on Cisco UCS, Cisco Nexus 9000 switches, Cisco MDS 9100 Fibre Channel switches and IBM Storwize V7000 disk systems.

About This Course

This course is a two-day Instructor-Led training program that is designed for system and network engineers and administrators implementing and administering VersaStack solutions.

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Who Should Attend

The primary audience for this course is as follows:

- Network engineers, Network administrators, System Engineers

The secondary audience for this course is as follows:

- System Engineers, Consulting System Engineers and Server Administrators

Prerequisites & Entry Requirements

General Prerequisites:

The knowledge and skills that a learner must have before attending this course are as follows:

- Basic understanding of storage operations, Fibre Channel and SAN architectures.
- Basic knowledge of server and server virtualization technologies such as VMware ESXi
- General knowledge of networking technologies. CCNA/CCNP Data Center or equivalent knowledge recommended.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Upon completing this course, the learner will be able to meet these overall objectives:

- Identify the architecture, features and components of VersaStack for Data Center.
- Describe configuration parameters for VersaStack for Data Center including Cisco Nexus 9300 switches, Cisco MDS 9100 switches, Cisco UCS and IBM Storwize V7000 Disk Systems.
- Describe VersaStack management tools including Cisco UCS Director

Detailed Course Outline

VersaStack Overview

- Describe the benefits of VersaStack in a data center architecture
- Understand the VersaStack Cisco Validated Design (CVD)
- Identify VersaStack Data Center architecture platforms
- Describe the components of VersaStack Data Center

Configuring LAN Switches

- Describe Cisco Nexus Data Center Product Portfolio
- Describe Cisco Nexus 9300 Series Switches
- Licensing Nexus 9300 Switches
- Describe cabling and optics used by Nexus 9000 Series switches
- Describe Nexus 9300 Series Dual-Mode Operation
- Identify management features of Cisco NX-OS

- Cisco Nexus 9300 Initialization and setup

- Configure Layer 2 switching features

- Configure VLANs

- Describe the vPC feature

- Lab: Understanding Connectivity in the VersaStack Lab Environment

- Lab: Cisco Nexus 9300 VersaStack LAN Configuration

- Lab: Cisco Nexus 9300 VersaStack vPC Configuration

Configuring SAN Switches

- Describe Cisco MDS Series Product Portfolio

- Describe Cisco MDS 9100 Fabric Switches

- Licensing Cisco MDS 9100 Fabric Switches

- Describe Fibre Channel Protocol and SAN architecture

- Cisco MDS 9100 Initialization and Setup

- Configure Fibre Channel interfaces

- Configure VSANs

- Configure Device Aliases

- Configure Zoning

- Lab: Cisco MDS 9100 Initialization and Setup

- Lab: Cisco MDS 9100 VersaStack SAN Configuration

Configure VersaStack Storage

- Describe IBM Storwize Storage System Product Portfolio

- Describe IBM Storwize V7000 Unified Storage System

- Describe Storwize V7000 Unified Enclosures and RAID Arrays

- Describe Storwize V7000 Initialization and Setup

- Configure Storwize V7000 Unified Ports

- Configure Storwize V7000 Unified Block Access

- Configure Storwize V7000 Unified File Access
- Lab: IBM Storwize V7000 Initialization and Setup
- Lab: IBM Storwize V7000 Storage Configuration

Configure Cisco UCS Computing

- Identify Cisco UCS B-Series and C-Series components
- Overview of Management Tools including Cisco UCS Manager, UCS Central and UCS Director
- Describe Role Based Access Control (RBAC) and Organizations
- Demonstrate cluster configuration of the Fabric Interconnects
- Configure Cisco UCS LAN and SAN interfaces
- Configure Cisco UCS Resource Pools and Policies
- Configure Cisco UCS Service Profiles and Templates
- Lab: Cisco UCS Interface Configuration
- Lab: Configure Resource Pools and Policies
- Lab: Configure vNIC and vHBA Templates
- Lab: Configure Service Profile Template
- Lab: Configure and Deploy Service Profiles

Skills You Will Learn:

Upon completing this course, the learner will be able to meet these overall objectives:

- Identify the architecture, features and components of VersaStack for Data Center.
- Describe configuration parameters for VersaStack for Data Center including Cisco Nexus 9300 switches, Cisco MDS 9100 switches, Cisco UCS and IBM Storwize V7000 Disk Systems.
- Describe VersaStack management tools including Cisco UCS Director

Frequently Asked Questions

Q: What delivery options are available for VersaStack Administration?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day VersaStack Administration course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the VersaStack Administration training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for VersaStack Administration?

Yes, we provide corporate training, dedicated training, and closed classes for VersaStack Administration. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: VersaStack Administration, Data Center, VSA

Q: Why choose Nexus Human for VersaStack Administration?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your VersaStack Administration training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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