

## VSIMP: Implementing the VersaStack Solution

Course Code: VSIMP

Duration: 3 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

### OVERVIEW

Implementing the VersaStack™ Solution is a 3-day instructor led and e-learning, hands-on course focused on 80% lab activities and 20% direct instruction for field engineers. This course enables engineers to deploy and support a VersaStack system using methods and procedures defined in the Cisco Validated Design. Infrastructure covered includes Cisco Nexus 9000 switches, Cisco MDS switches, Cisco UCS, VMware, Cisco UCS Director Virtual Machine, and IBM Storwize Storage System.

### SKILLS COVERED

Upon completing this course, students will be able to understand:

- Describe the VersaStack components and architecture
- Deploy Cisco UCS Integrated Infrastructure, which includes the Cisco Unified Computing System (Cisco UCS), Cisco Nexus 9000 series, and Cisco MDS switches
- Describe the benefits of using Cisco UCS Director to manage the VersaStack environment and engineers experience those benefits through hands-on labs
- Describe how the IBM Storwize V7000 enhances virtual environments with its Data Virtualization, Real-Time Compression, and Easy Tier features
- Configure the IBM Storwize V7000 storage to support the VersaStack solution

### WHO SHOULD ATTEND?

- Network Engineers
- Security Engineers

### PRE-REQUISITES

Familiarity with Cisco UCS, IBM Storage, and Cisco Nexus 9000

### MODULES

#### [Module 1: Describe the VersaStack Solution](#)

- Lesson 1-1: VersaStack Architecture and Components

#### [Module 2: Implement the Network Infrastructure](#)

- Lesson 2-1: Deploying Cisco Nexus 9000 Switches for VersaStack

#### [Module 3: Implement the Storage Infrastructure](#)

- Lesson 3-1: Deploying Cisco MDS Switches for VersaStack
- Lesson 3-2: Deploying IBM Storwize Storage System

#### [Module 4: Implement the Compute Infrastructure](#)

- Lesson 4-1: Cisco UCS Overview and Architecture
- Lesson 4-2: Deploying Cisco UCS for VersaStack
- Lesson 4-3: Deploying VMware for VersaStack

[Module 5: Implement the Management Infrastructure](#)

- Lesson 5-1: Automating and Orchestrating VersaStack Management with Cisco UCSD

[Module 6: Appendix](#)

- Lesson 6-1: Cisco Partners

[Lab Details](#)

- Guided Lab 1: Access the Lab Environment
- Guided Lab 2: Exploring Cisco UCS Director to Manage a VersaStack
- Guided Lab 3: Initial Cisco Nexus 9000 Series Switch Configuration
- Guided Lab 4: Initial Cisco MDS Switch Configuration
- Guided Lab 5: Initial Configuration of the IBM Storwize V7000
- Guided Lab 6: Initial Configuration of the IBM Storwize V7000 File Modules
- Guided Lab 7: Initial Configuration of the UCS Domain
- Guided Lab 8: Configuring UCS Pools, Policies, and Service Profiles
- Guided Lab 9: Configuring Zoning
- Guided Lab 10: Configuring Storage Volumes
- Guided Lab 11: Installing and Configuring VMware ESXi
- Guided Lab 12: Installing and Configuring VMware vCenter
- Guided Lab 13: Deploying the Cisco UCS Director Virtual Machine
- Guided Lab 14: Configuring Cisco UCS Director to Manage a VersaStack

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