



Implementing Cisco Enterprise SD-Branch (ENSDBI)

Description

Implementing Cisco Enterprise SD-Branch (ENSDBI) is an essential course for any professional looking to master the Cisco SD-Branch architecture and the Cisco ENFV solution. Through this course, you will develop practical expertise in deploying virtual network functions (VNF) and orchestration systems via the Cisco ENCS platform. You will learn how to manage and secure these infrastructures through updates and advanced deployment processes.

This training, rich in technical and practical content, is perfectly suited for IT, networking, and virtualization professionals looking to enhance their skills. You will be guided by an industry expert, with comprehensive support throughout your learning journey. By the end of this course, you will be ready to effectively implement Cisco solutions in a modern enterprise environment.

Course Content

Module 1: Introduction to SD-Branch Architecture and ENFV Solution

- Need for Cisco SD-Branch.
- Cisco SD-Branch architecture and benefits.
- Overview of Cisco ENFV Solution.
- Cisco NFVIS hardware platforms and supported VMs.
- Key tasks for Cisco NFVIS.

Module 2: Preparing Cisco ENCS for Deployment

- Cisco ENCS 5400 components.
- Cisco Catalyst 8200 uCPE components.
- Installing and accessing Cisco NFVIS on Cisco ENCS 5400.
- Upgrading Cisco ENCS 5400 firmware.

Module 3: Deploying VNFs on Cisco ENCS

- VNF requirements and lifecycle management.
- Security considerations for Cisco NFVIS.
- VNF packaging and deployment.
- Networking via Cisco NFVIS.

Module 4: Orchestration via Cisco vManage

- Supported orchestration systems and REST APIs.
- Overview of Cisco SD-WAN solution.
- Monitoring and managing ENFV components via Cisco vManage.
- Troubleshooting with Cisco vManage.

Module 5: Monitoring and Managing ENFV Components

- Monitor and manage ENFV components using Cisco vManage.
- Use diagnostic tools for troubleshooting.

Lab / Exercises

- Explore Cisco ENCS and Cisco Enterprise NFVIS Portal.
- Deploy virtual machines (VMs) and VNFs.
- Deploy orchestrators via Cisco vManage.
- Monitor and troubleshoot Cisco ENCS devices.

Documentation

- Digital course materials included

Participant profiles

- System Installers.
- System Integrators.
- Network Administrators.
- System Administrators.
- Network Developers.

Prerequisites

- Understand routing protocols (OSPF, BGP).
- Master virtualization and hypervisor concepts.
- Have knowledge of network security, including IPsec and TLS.
- Basic skills in network configuration.

Objectives

- Understand Cisco SD-Branch architecture.
- Deploy Cisco ENCS and VNFs.
- Manage Cisco NFVIS components.
- Monitor infrastructures via Cisco vManage.
- Secure the SD-Branch infrastructure.
- Utilize orchestrators for Cisco ENFV.

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Niveau

Intermédiaire

Classroom Registration Price (CHF)

2200

Virtual Classroom Registration Price (CHF)

2200

Duration (in Days)

