
Implementing Cisco Enterprise SD-Branch (ENSDBI) V1.0

***WHERE GREAT TRAINING
HAPPENS EVERYDAY!***



Implementing Cisco Enterprise SD-Branch (ENSDBI) V1.0

Course Duration

2 days

Course Price

\$1,995.00

20 CLCs

Methods of Delivery

In-Person ILT

Virtual ILT

Onsite ILT

About this Class

The Implementing Cisco Enterprise SD-Branch (ENSDBI) v1.0 course is designed to teach you to understand the Cisco® Software-Defined (SD)-Branch architecture and Cisco Enterprise Network Functions Virtualization (ENFV) solution. Through a series of in-person or e-learning lectures and labs, you will learn about the supported hardware platforms with a focus on the components, installation, and upgraded workflows of the Cisco Enterprise Network Compute System (ENCS) 5400 series. Additionally, this course will help you build your skills on Virtual Network Functions (VNF) deployment and orchestration solutions on Cisco ENCS.

Implementing Cisco Enterprise SD-Branch (ENSDBI) V1.0

How you will benefit

This class will help you:

- Develop the knowledge necessary to understand the Cisco SD-Branch and its architecture
- Deploy the Cisco ENCS
- Gain hands-on experience with Cisco Network Function Virtualization Infrastructure (NFVIS) and vManage
- Further your skills as a system installer, integrator, or administrator

Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The job roles best suited to the material in this course are:

- System Installers
- System Integrators
- System Administrators
- Network Administrators

Implementing Cisco Enterprise SD-Branch (ENSDBI) V1.0

Objectives

After taking this course, you should be able to:

- Describe the Cisco SD-Branch solution and its architecture
- Explain the hardware components of the Cisco ENCS 5400 and Cisco Catalyst® 8200 Series Edge Universal Customer Premises Equipment (uCPE)
- Install and access the Cisco Enterprise NFVIS on Cisco ENCS 5400
- Understand the VNF Lifecycle management and its deployment
- Identify Cisco Enterprise NFVIS Security considerations
- Explain the Cisco SD-WAN solution and its components
- Describe the Cisco ENCS orchestrations systems and Representational State Transfer (REST) APIs
- Deploy the Cisco ENCS using orchestrators
- Monitor and troubleshoot Cisco ENFV components using Cisco vManage

Prerequisites

Before enrolling in this course, you should have:

- A strong understanding of routing protocol operation, including interior and exterior routing protocol operations
- Familiarity with Transport Layer Security (TLS) and IP Security (IPSec)
- A basic understanding of Hypervisor and virtualization

Implementing Cisco Enterprise SD-Branch (ENSDBI) V1.0

Course Outline

Module 1: Introducing Cisco SD-Branch Architecture and Cisco ENFV Solution

Module 2: Preparing Cisco ENCS Device for Deployment

Module 3: Deploying VNFs on Cisco ENCS

Module 4: Working with Cisco ENCS Orchestration

Module 5: Monitoring and Managing Cisco ENFV Components

Lab Outline

Lab 1: Explore Cisco ENCS and Cisco Enterprise NFVIS Portal

Lab 2: Deploy Cisco Virtual Machines (VMs) and VNFs

Lab 3: Deploy Orchestration using Cisco vManage

Lab 4: Monitor and Troubleshoot Cisco ENCS device