

# Implementing Cisco Enterprise SD-Branch (ENSDBI)

ID ENSDBI Price 2,495.— €(excl. tax) Duration 2 days

## Course Overview

**\*COMING SOON\***

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.

### This course 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

### Who should attend

- System installers
- System integrators
- System administrators
- Network administrators
- Instructors
- Content developers

### 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

The following Cisco courses can help you gain the knowledge you need to prepare for this course:

- [Implementing and Administering Cisco Solutions \(CCNA\) v2.2](#)
- [Implementing and Operating Cisco Enterprise Network Core Technologies \(ENCOR\)](#)

## Course 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

## Detailed Course Outline

- Introducing Cisco SD-Branch Architecture and Cisco ENFV Solution
- Preparing Cisco ENCS Device for Deployment
- Deploying VNFs on Cisco ENCS
- Working with Cisco ENCS Orchestration
- Monitoring and Managing Cisco ENFV Components

# About Fast Lane



Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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