

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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Cisco Data Virtualization Training

Introduction to ENCS Architecture

- Role and need of the Cisco ENCS Appliance
- Cisco ENCS Architecture Deep Dive
- Cisco ENCS 5100
- Cisco ENCS 5400
- Network Function Virtualization Infrastructure
- Inside the Cisco ENCS 5400 Hardware
- Managing the Cisco 5400 Appliance – Leveraging the Cisco IMC
- Introduction to Virtual Network Functions

Cisco ENCS 5400 Networking

- Cisco ENCS 5400 Internal Networking
- Understanding the X86 Architecture
- Inbuilt Hardware switch ports with PoE
- Working of the ENCS Internal Virtual Switch
- Understanding the SR-IOV on the ENCS 5400

- Cisco ENCS Networks and Bridges
- LAN Bridge Configuration
- WAN Bridge Configuration
- Creating Internal Networks
- Cisco ENCS Default Network Configuration
- Connecting the ENCS to the LAN and WAN Networks
- Understanding ENCS OOB Management

Deploying VNFs on the Cisco ENCS

- Understanding the VNF Lifecycle on the ENCS
- Virtual Network Function Requirements
- Creating NFVIS VM Packages
- Bootstrap Packaging Options
- Generating the Package file from the CLI and the GUI
- Perform VM image registration and deployment
- Create custom flavors—a flavor is the customized profile of the VM image
- Deploying Cisco and 3rd Party VNFs
- Connecting the VNF to the Internal Networks
- Accessing the VNF from the External network

Deploying the Cisco ENCS using an Orchestrator

- Deep Dive into the Cisco ISRv – Preinstalled on the Cisco ENCS
- Overview of the Cisco DNA-Centre and Cisco NSO

- Overview of the Cisco SD-WAN solution
- Deploying the Cisco ENCS using the Plug and Play – Zero Touch Provisioning

Deploying the Cisco SD-Branch Solution on the ENCS 5400 using an Orchestrator

- Deploying and managing the ENCS from the Cisco DNA-Centre
- Deploying and managing the ENCS from the Cisco NSO
- Deploying the Cisco SD-WAN Cloud Router on the Cisco ENCS using the Cisco NSO
- Configuring the networking for the SD-WAN Cloud Router using the Cisco NSO
- Defining a New Catalog
- Register the NFVIS System into NSO
- Register the remote VNF
- Instantiate a VNF on the Remote Site