

# DCCVIM (CISCO VIRTUALIZED INFRASTRUCTURE MANAGER DEPLOYMENT AND OPERATIONS) 1.0

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## Objetivo

After taking this course, you should be able to:

- Describe the Cisco hardware components used in the Cisco VIM Unified Management solution;
- Describe the Cisco Network Function Virtualization Infrastructure (NFVI) Design;
- Discuss how Virtual Extensible LAN (VXLAN) is used with Cisco VIM;
- Explain the Cisco VIM deployment;
- Explain the process for a fresh Cisco VIM installation;
- Describe how to operate the Cisco VIM tools;
- Explain the troubleshooting required for the ToR.

## Público Alvo

• Channel partners and resellers  
• System and network engineers  
• Technical architects  
• Technical support personnel

## Pré-Requisitos

It is recommended that you have the following prerequisite knowledge and skills:

- An understanding of Cisco Data Center Foundations (DCFNDU);
- Familiarity with the operation and administration of Red Hat Enterprise Linux;
- Familiarity with OpenStack.

## Carga Horária

24 horas (3 dias).

## Conteúdo Programático

### **Cisco VIM Unified Management Hardware and Topology Overview**

NFVI and SDN Architecture Overview  
Cisco VIM POD Configurations

### **Cisco Network Function Virtualization Infrastructure (NFVI) Design**

Solution Design Use Cases  
Cisco VIM POD Design Use Cases

### **VXLAN Solution with Cisco VIM**

VXLAN Overview  
Cisco VIM and VXLAN Solution Design

### **Cisco VIM Deployment Overview**

Cisco VIM Installer Overview

Cisco VIM Representational State Transfer (REST) API

**Cisco VIM Operation**

Verify Cisco VIM  
Logging Information

**Cisco VIM Monitor**

Cisco VIM Monitor Alerts  
Cisco VIM Monitor Dashboards

**Troubleshooting Cisco VIM**

Troubleshooting the Cisco Network Convergence System (NCS) 5500  
Troubleshooting Cisco Nexus 9000 Cisco (N9K)

**Lab outline**

Management Node Installation  
Cisco VIM Installation  
VMs Installation  
Cisco VIM MON