

Learning Services

Managing Enterprise Networks with Cisco Prime Infrastructure



The Managing Enterprise Networks with Cisco Prime™ Infrastructure is an instructor-led, lab-based, hands-on course offered by Cisco® Learning Services. This course provides network engineers and technicians with tools necessary to design, deploy, operate, and optimize enterprise networks with the Cisco Prime Infrastructure solution.

Duration

Instructor-led training (ILT): 5 days

Virtual Instructor-led training (VILT): 5 days

Target Audience

The intended audience for this course is network engineers and technicians.

Targeted roles include:

- Designers
- Installers
- Operations personnel
- High-level troubleshooters
- Compliance managers

Tasks and Features Covered

The tasks and features covered in Managing Enterprise Networks with Cisco Prime Infrastructure are centered around network management.

Course Prerequisites

The knowledge and skills that you must have before attending this course are as follows:

- Knowledge of networks and networking terminology (CCNA® Routing and Switching qualifications, or equivalent)
- Knowledge of wireless networks and wireless networking terminology (CCNA® Wireless qualifications, or equivalent)
- Basic understanding of Simple Network Management Protocol (SNMP) and syslog network management components, or previous training in, or experience with, network administration, management, and troubleshooting.

Course Outline

- Module 1: Cisco Prime Infrastructure Overview
- Module 2: Inventory Management
- Module 3: Map the Network
- Module 4: Role-Based Access Control
- Module 5: Configuration Management
- Module 6: Compliance Management
- Module 7: Services Management
- Module 8: Monitor and Troubleshoot
- Module 9: System Administration

Lab Outline

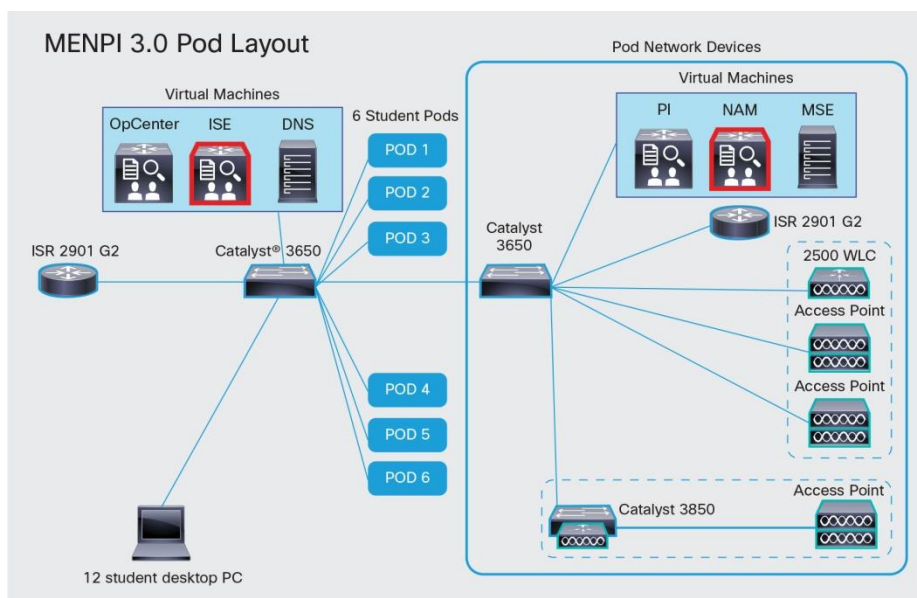
- Lab 1: Access Cisco Prime Infrastructure
- Lab 2: Cisco Prime Infrastructure Configuration
- Lab 3: Populate the Network Inventory
- Lab 4: Manage the Network Inventory
- Lab 5: Manage Groups
- Lab 6: Manage Device Software Images
- Lab 7: Manage Wireless Maps
- Lab 8: Manage Network Topology Maps
- Lab 9: Create a Virtual Domain and Add a User
- Lab 10: Manage the Configuration Archive
- Lab 11: Manage Wired Device Templates
- Lab 12: Manage Wireless Device Configurations
- Lab 13: Manage Compliance Features
- Lab 14: Manage Converged Access Work Flow
- Lab 15: Manage AVC and QoS
- Lab 16: Monitor Devices and Interfaces

- Lab 17: Monitor the Wireless Network
- Lab 18: Track Clients Users, and Applications
- Lab 19: Generate Reports
- Lab 20: Cisco Prime API Operation
- Lab 21: Configure Operations Center

Lab Topology

Figure 1 shows the lab topology for all labs in this course.

Figure 1. Course Lab Topology



Registration Email

For more information about schedules and registration for this course, contact aeskt_registration@cisco.com.

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- Optical network systems training: <http://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/optical.html>
- Cisco Prime network management training: <http://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/prime.html>
- Data center training: <http://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/data-center.html>
- Routing training for service providers: <http://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/metro-ethernet.html>



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