

Course Outline

Module 1: Cisco Prime Infrastructure 2.2 Overview

Lesson 1: Defining Network Management

Topic 1: What is Network Management?

Topic 2: What is FCAPS?

Topic 3: Benefits of Network Management

Lesson 2: Exploring the Network Management Process

Topic 1: Network Management Process

Topic 2: Standards for Information - MIB

Topic 3: Standards for Communication - SNMP

Lesson 3: Introducing Cisco Prime Infrastructure 2.2

Topic 1: Unified Access Networks Management

Topic 2: The Cisco Prime Infrastructure Vision

Topic 3: Device Integration and Management

Topic 4: Cisco Prime Infrastructure Licensing Model

Topic 5: A Case Study as a Guideline

Lesson 4: Installing Cisco Prime Infrastructure 2.2

Topic 1: Installation Task Flow

Topic 2: Deployment Options

Topic 3: VMware Deployment and Configuration Steps

Topic 4: Troubleshoot the Installation

Lesson 5: Getting Started with Cisco Prime Infrastructure

Topic 1: Overview of the CLI Interface

Topic 2: Overview of the GUI Interface

Topic 3: The Getting Started Menu

Lesson 6: Configuring Initial Server Settings

Topic 1: Basic System Settings

Topic 2: License Management

Topic 3: Manage External Servers

Lesson 7: Managing Virtual Domains and Users

Topic 1: Virtual Domain Management

Topic 2: Users, Roles, and AAA

Topic 3: User Management

Module 2: Inventory Management

Lesson 1: Discovering the Network

Topic 1: Inventory System Settings

Topic 2: Discover the Network

Lesson 2: Managing the Network Inventory

Topic 1: Credential Profiles

Topic 2: Add One Device

Topic 3: Bulk Import Devices

Topic 4: Verify Device Credentials

Topic 5: View Network Device Reports

Lesson 3: Managing Groups

Topic 1: Virtual Domain Group Assignment

Topic 2: Location and Device Groups

Topic 3: Port Groups

Lesson 4: Managing Compute Devices

Topic 1: Physical Servers

Topic 2: Cisco UCS Servers

Topic 3: User Defined UCS

Lesson 5: Managing Network Device Software Images

Topic 1: Populating the Software Image Repository

Topic 2: Use the Image Dashboard

Topic 2: Perform Upgrade Analysis

Topic 3: Distribute Software Images

Topic 4: Verify Software Image Upgrades

Module 3: Map the Network

Lesson 1: Managing Wireless Maps

Topic 1: Wireless Maps Overview

Topic 2: Manage Sites Maps

Topic 3: Automatic Hierarchy Creation

Topic 4: Google Earth

Lesson 2: Managing Network Topology Maps

Topic 1: Network Topology Overview

Topic 2: Location Groups

Topic 3: User Defined Groups

Topic 4: Topology Maps Management

Topic 5: Customize Topology Maps

Topic 6: Unmanaged Device Elements

Module 4: Configuration Management

Lesson 1: Modifying Configuration Archive Settings

Topic 1: Configuration System Settings

Topic 2: Configuration Archive System Settings

Lesson 2: Managing the Configuration Archive

Topic 1: Schedule Configuration Archive Collections

Topic 2: Modify Configurations for a Single Device

Lesson 3: Managing Templates for Wired Devices

Topic 1: Wired Templates Overview

Topic 2: Feature and Technologies Templates

Topic 3: Shared Policy Objects

Topic 4: Composite Templates

Topic 5: Configuration Groups

Topic 6: Deploy Configuration Templates to Multiple Devices

Lesson 4: Managing Templates for Wireless Devices

Topic 1: Wireless Templates Overview

Topic 2: Lightweight Access Point Templates

Topic 2: Autonomous Access Point Templates

Topic 3: Autonomous AP Migration Templates

Topic 4: Controller Configuration Groups

Topic 5: Switch Location Templates

Topic 6: Deploy Wireless Templates

Lesson 5: Working with Wireless Technologies

Topic 1: Chokepoints

Topic 2: WiFi TDOA Receivers

Topic 3: Access Points Radios

Lesson 6: Using Plug and Play

Topic 1: Bootstrap

Topic 2: Initial Device Setup

Topic 3: Controller Auto Provisioning

Topic 4: Profiles

Topic 5: Status

Module 5: Monitor and Troubleshoot

Lesson 1: Working with Dashboards

Topic 1: Introduction to Dashboards

Topic 2: Overview Dashboards

Topic 2: Wireless Dashboards

Topic 3: Performance Dashboards

Topic 4: Manage Dashboards and Dashlets

Lesson 2: Monitoring and Troubleshooting Devices and Users

Topic 1: Network Devices

Topic 2: Compute Devices

Topic 3: Manage Monitoring Policies

Topic 4: Alarms and Events

Topic 5: Clients and Users

Topic 6: Wireless Technologies

Topic 7: Tools

Lesson 3: Generating Reports

Topic 1: Reports Launch Pad Overview

Topic 2: Create and Customize Reports

Topic 3: Schedule Reports using Templates

Lesson 4: Managing Services

Topic 1: Network Services

Topic 2: Routed Virtual Containers

Topic 3: Mobility Services

Topic 4: Application Visibility & Control

Module 6: System Administration

Lesson 1: Managing the Server

Topic 1: Admin Dashboard

Topic 2: Logging

Topic 3: Users, Roles & AAA

Topic 4: Virtual Domains

Topic 5: User Preferences

Topic 6: Software Update

Topic 7: Settings

Topic 8: Licenses

Topic 9: Health Rules

Labs

Lab 1-1: Instructor Demo: Virtual Appliance Setup

Lab 1-2: Access Cisco Prime Infrastructure

Lab 1-3: Instructor Demo: Initial Server Settings

Lab 1-4: Login, Create Virtual Domains, and Add Users

Lab 2-1: Instructor Demo: Discover the Network

Lab 2-2: Manage the Network Inventory

Lab 2-3: Manage Groups

Lab 2-4: Manage Network Device Software Images

Lab 3-1: Manage Wireless Maps

Lab 3-2: Manage Network Topology Maps

Lab 4-1: Instructor Demo: Configuration Archive System Settings

Lab 4-2: Manage the Configuration Archive

Lab 4-3: Manage Wired Device Templates

Lab 4-4: Manage Wireless Device Templates

Lab 5-1: Monitor and Manage Dashboards

Lab 5-2: Monitor and Troubleshoot Devices and Users

Lab 5-3: Generate Reports