





## **Module 3 (continued)**

### **Lesson 3: Documenting Network Connectivity Using CiscoWorks Campus Manager**

- CiscoWorks Campus Manager Home Page
- Viewing Devices in the Network Views
- Viewing VTP Domains and VTP Views
- Creating Hierarchical User-Defined Groups Using Topology Filters
- Managing Devices in Topology Services
- Managing Maps in Topology Services
- Viewing Reports from Topology Services
- CiscoWorks Campus Manager Report Generator

### **Lab: Documenting Network Connectivity Using Topology Services**

### **Lesson 4: Deploying Updates Using CiscoWorks Campus Manager**

- Performing VLAN Management
- Verifying the Cisco VTP Configuration
- Configuring VLANs
- Configuring VLAN Port Assignments
- Configuring Trunks

### **Lab: Deploying Updates Using CiscoWorks Campus Manager**

### **Lesson 5: Documenting End Users and IP Phones Using User Tracking**

- Initiating Acquisition on Demand
- Viewing the User Tracking Quick Report
- Using the Report Generator
- Creating Custom Reports
- Creating Custom Layouts
- Launching Other Applications

### **Lab: Documenting End Users and IP Phones Using User Tracking**

## **Module 4: CiscoWorks Resource Manager Essentials**

### **Lesson 1: Managing Network Devices Using CiscoWorks RME**

- CiscoWorks RME Functionality
- Maintaining a Network Device Inventory
- Maintaining a Configuration Archive
- Maintaining a Software Repository
- Leveraging Syslog Messages
- Leveraging Change Audit Reporting
- CiscoWorks RME Applications

### **Lesson 2: Logging Changes to the Device Inventory**

- Types of Inventory Changes
- Administration Device Management Options
- Administration Inventory Options
- Administration System Preferences
- Device Inventory Options
- Device Management Options
- Watching for Inventory Changes Using the CiscoWorks RME Report Generator

### **Lab: Logging Changes to the CiscoWorks RME Device Inventory**

### **Lesson 3: Documenting the Device Inventory**

- CiscoWorks RME Home Page
- CiscoWorks RME Inventory Reports
- Viewing System-Defined Inventory Reports
- Creating Custom Inventory Reports
- Creating CiscoWorks RME User-Defined Groups

### **Lab: Documenting the CiscoWorks RME Device Inventory**

### **Lesson 4: Logging Changes to the Configuration Archive**

- Managing Network Device Configurations
- Configuration Management Settings
- Configuration Management Archive
- Management Options

### **Lab: Logging Changes to the CiscoWorks RME Configuration Archive**



# Implementing CiscoWorks LMS

## Course Outline

### Module 4 (continued)

#### Lesson 5: Deploying Configuration Updates

CiscoWorks RME Applications for Deploying Configuration Commands  
Deploying a Configuration Change to One Device with Config Editor  
Deploying Configuration Changes to Multiple Devices with NetConfig  
Using Compliance Management to Check and Deploy Commands

#### Lab: Deploying Configuration Updates Using Config Editor

#### Lab: Deploying Configuration Updates Using NetConfig

#### Lesson 6: Managing Device Software Images

Introducing Software Image Management  
Managing the Software Repository  
Software Distribution Options  
Deploying Software Images by Devices  
Generating Bug Toolkit Reports

#### Lab: Updating the CiscoWorks RME Device Software Repository

#### Lab: Deploying Software Updates to Devices Using CiscoWorks RME

#### Lesson 7: Using CiscoWorks RME Tools

Change Audit Tools and Reports  
Syslog Tools and Reports  
NetShow Commands and Reports  
SmartCase Tool  
Virtual Switching System Configuration Tool

#### Lab: Logging Changes and Managing Faults Using Syslog Messages

#### Lab: Deploying show Commands Using NetShow

### Module 5: CiscoWorks Internetwork Performance Monitor

#### Lesson 1: Monitoring Network Performance Using CiscoWorks IPM

Using CiscoWorks IPM  
Configuring Cisco IOS IP SLA  
Viewing Response Time Reports

#### Lesson 2: Configuring CiscoWorks IPM

CiscoWorks IPM Administration Settings  
Collector Management Options

#### Lab: Configuring CiscoWorks IPM

#### Lesson 3: Monitoring Response Time Using CiscoWorks IPM

Monitoring and Graphing Collectors  
Creating and Viewing Historical Reports  
Viewing Audit and System Reports

#### Lab: Monitoring Response Time Using CiscoWorks IPM

### Module 6: CiscoWorks Device Fault Manager

#### Lesson 1: Managing Faults Using CiscoWorks DFM

Why Fault Management Is Needed  
Introducing CiscoWorks DFM

#### Lesson 2: Configuring CiscoWorks DFM for Use with Devices

CiscoWorks DFM Device Management  
CiscoWorks DFM Configuration

#### Lab: Configuring CiscoWorks DFM

#### Lesson 3: Detecting and Analyzing Faults with CiscoWorks DFM

CiscoWorks DFM Alerts and Activities  
CiscoWorks DFM Notification Services  
CiscoWorks DFM Fault History

#### Lab: Detecting and Analyzing Faults Using CiscoWorks DFM



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# Implementing CiscoWorks LMS

## Course Outline

### Module 7: Device Troubleshooting

#### Lesson 1: Troubleshooting Devices Using CiscoWorks Applications

Introducing CiscoView  
Introducing CiscoWorks Device Center  
Introducing CiscoWorks Assistant  
Troubleshooting Workflows

#### Lesson 2: Monitoring Device Performance Using CiscoView

Using CiscoView Chassis View  
Creating a Stack View with StackMaker  
Monitoring Device Performance Using Chassis View  
Using CiscoView Mini-RMON Manager

#### Lab: Monitoring Devices Using CiscoView and Mini-RMON Manager

#### Lesson 3: Deploying Device Updates Using the CiscoView

Deploying Updates to the Chassis  
Deploying Updates to Ports  
Deploying Updates to Modules  
Deploying Updates to Cisco IOS Devices

#### Lab: Deploying Device Updates Using CiscoView

#### Lesson 4: Troubleshooting with CiscoWorks Device Center

Using CiscoWorks Device Center to Troubleshoot a Device  
Functions Available Options

#### Lab: Troubleshooting Using CiscoWorks Device Center

#### Lesson 5: Implementing Workflows with CiscoWorks Assistant

Implementing an End Host/IP Phone Down Workflow  
Implementing a Device Troubleshooting Workflow  
Configuring Log Levels

#### Lab: Implementing Troubleshooting Workflows Using CiscoWorks

### Module 8: CiscoWorks System Administration

#### Lesson 1: Deploying CiscoWorks LMS

Understanding CiscoWorks LMS Deployment Options and Requirements  
Configuring Network Devices for Use with CiscoWorks LMS  
Integrating CiscoWorks with a Third-Party NMS

#### Lesson 2: Performing CiscoWorks Administration Tasks

CiscoWorks Common Services Server Administration  
CiscoWorks Software Center Administration  
CiscoWorks RME Job Approval

#### Lesson 3: Modifying Server Settings Using CiscoWorks LMS Setup Center

CiscoWorks LMS Setup Center Overview  
Using CiscoWorks LMS Setup Center

#### Lab: Modifying Server Settings Using CiscoWorks LMS Setup Center

#### Lesson 4: Configuring Cisco Secure ACS Integration

Configuring the Cisco Secure ACS  
Use CiscoWorks Assistant to Change ACS Setup

#### Lab: Configuring CiscoWorks Integration with Cisco Secure ACS

#### Lesson 5: Managing the CiscoWorks LMS Portal

CiscoWorks LMS Portal Overview  
Working with Views  
Working with Portlets

#### Lab: Managing the CiscoWorks LMS Portal



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