

# Course Outline

## Monitoring and Troubleshooting Network Performance using Cisco DNA Center with Assurance Course DNACAM: 3 days Instructor Led

*All Cisco courses are delivered by a Cisco Authorized Platinum Learning Partner*

### About this course

Monitoring and Troubleshooting Network Performance using Cisco DNA Center with Assurance is a 3-day course which provides students with the skills to implement, monitor, troubleshoot, and remediate network infrastructure, applications, and devices using Cisco DNA Center Assurance tools and techniques.

### Course Outline:

#### Module 1: Introduction to Cisco DNA Center Assurance

- Introduction to DNA Center
- System Architecture
- Key Features and Use Cases
- Getting Started
- Navigating the GUI

#### Module 2: Assurance System Architecture and Data Analytics

- DNAC Assurance Concepts
- Assurance Data and Metrics
- Assurance Health Scores
- Assurance Time Stamps and Data Refresh Concepts

#### Module 3: Monitoring Device, Client, and Application Health

- Monitoring Network Device Health and Performance
- Monitoring Wired and Wireless Client Health and Performance
- Monitoring Application Health and Performance

#### Module 4: Analyzing Issues using Cisco DNA Center Assurance

- Detecting Issues
- View and Mediate Issues

#### Module 5: Troubleshooting using Cisco DNA Center Assurance Tools

- DNAC Assurance Troubleshooting Tools
- Using Sensor Tests

## Course Outline

- Using Intelligent Capture

### Lab Outline:

- Getting Started with DNA Center
- Access Cisco DNA Center
- Navigate the Cisco DNA Center GUI
- Verifying Switch Configurations
- Verify Border Switch Configuration
- Verify Edge Switch Configuration
- Configuring Cisco DNA Assurance Integration Options
- Configure Cisco ISE and CMX Integration
- Configure DNA Center as NetFlow Collector
- Preparing Devices for Cisco DNA Assurance
- Configure Credentials and Discover Devices
- View Device Inventory and Assign Device Roles
- Design Network Hierarchy and Assign Devices to Sites
- Deploy Telemetry Profiles to Switches
- Position APs on the Floor Map and View RF Predictions
- Monitoring the Network using the DNAC Assurance
- Monitor Overall Network Health
- View Network Device Health
- Use the Device 360 View
- Monitoring and Troubleshooting Wireless Connectivity
- Monitor Client Health
- Use the Client 360 View
- Troubleshoot Client Onboarding Issues
- Troubleshoot using the Path Trace Tool
- Configure Sensor Driven Tests