



## Leveraging Cisco Intent-Based Networking DNA Assurance (DNAAS) v2.1

### What you'll learn

The Leveraging Cisco Intent-Based Networking DNA Assurance (DNAAS) v2.1 training provides you with the skills to monitor and troubleshoot a traditional brownfield network infrastructure using Cisco® Digital Network Architecture (Cisco DNA™) Assurance. The training focuses on highlighting issues rather than on monitoring data.

The advanced artificial intelligence and machine learning features within Cisco DNA Assurance enable you to isolate the root cause of a problem and to take appropriate actions to quickly resolve issues. Cisco DNA Assurance can be used to perform the work of a Level 3 support engineer.

### How you'll benefit

This training will help you:

- Monitor, identify, and respond to changing network and wireless conditions

- Automate manual operations to reduce the costs associated with human errors, resulting in more uptime and improved security

- Save time by using a single dashboard to manage and automate your network

### Who should enroll

This training is designed for network and software engineers who hold the following job roles:

- Network administrators

- Network operators

- Technology areas

- Networking

### Training overview

#### Objectives

After taking this training, you should be able to:

- Explain the benefits of using Cisco DNA Center in a traditional, enterprise network



Explain at a detailed level the Cisco DNA Center Assurance system architecture, functional components, features, and data-processing concepts

Explain the health scores, metrics, and strategies that you use for monitoring network devices, clients, and applications with Cisco DNA Assurance

Describe how Cisco DNA Center Assurance analyzes the streaming telemetry and collected data, correlates the data, performs root cause analysis, and displays detected issues, insights, and trends

Describe the Cisco DNA Center Assurance troubleshooting tools, mechanisms, strategies, and scenarios to proactively detect and resolve wireless network, client, and application issues and pinpoint the root cause

Deploy and configure Cisco DNA Center to use Assurance features for monitoring and troubleshooting network devices, clients, and applications

#### Prerequisites

Before taking this training, you should have the following knowledge and skills:

Internet web browser usability knowledge

Working knowledge of TCP/IP networking

Familiarity with network management concepts such as Simple Network Management Protocol (SNMP), Syslog, and NetFlow

The following Cisco trainings can help you gain the knowledge you need to prepare for this training:

Implementing and Administering Cisco Solutions (CCNA®)

Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)

Lab outline

Prepare Cisco DNA Center for Assurance

Monitor Overall Health and the Health of Network Devices

Monitor the Health of Clients and Applications

Troubleshoot Network, Client, and Application Issues

Observer Assurance AI Network Analytics

Analyze Wireless Allocation, Capabilities, and Threats

Monitor Wireless Networks with Advanced Assurance Tools