

Leveraging Cisco Intent-Based Networking DNA Assurance (DNASS)

Course Summary

Description

Leveraging Cisco Intent-Based Networking DNA Assurance (DNAAS) Version 1.0 is a three-day course that provides you with the skills to monitor and troubleshoot a traditional brownfield network infrastructure by using Cisco DNA Assurance.

The focus is on highlighting issues rather than monitoring data. The advanced artificial intelligence and machine learning features within Cisco DNA Assurance will allow you to isolate the root cause of a problem and use suggested actions to quickly resolve issues. You will use Cisco DNA Assurance to perform the work of a Level 3 support engineer.

Objectives

At the end of this course, students will 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.
- Discuss 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

Topics

- Introducing Cisco DNA Center Assurance
- Cisco DNA Center and Intent-Based Network Management Automation
- Cisco DNA Center System Architecture
- Monitoring Health and Performance with Cisco DNA Center Assurance
- Cisco DNA Center Assurance Functional Components
- Cisco DNA Center Assurance Data Analytics and Metrics
- Troubleshooting Issues, Observing Insights and Trends
- Detect Issues, Insights, and Trends in the Network
- Observe Trends, Insights, and Comparative Analysis
- Troubleshooting Wireless Issues with Cisco DNA Center Assurance Tools
- Review of Assurance Tools for Troubleshooting Wireless Networks
- Use Sensor Tests to Troubleshoot Wireless Networks

Audience

This course is designed for network administrators and network operators.

Prerequisites

Before taking this course, 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

Duration

Three days