

**Document Generated: 06/06/2026**

**Learning Style: On Demand**

**Technology:**

**Difficulty: Beginner**

**Course Duration: 40 Hours**

## Leveraging Cisco Intent-Based Networking DNA Assurance - On Demand (DNAAS)



### About the course:

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.

## **This course 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

This new Cisco self-paced course is designed to be as effective as classroom training. Course content is presented in easily-consumable segments via both Instructor Video and text. Interactivity is enabled through Discovery Labs, content review questions, and graded Challenge labs and tests. This makes the learning experience hands-on, increasing course effectiveness, and provides students direct feedback on how well they have mastered the material. And gamification features are built in, including earning badges and a leaderboard, to encourage better performance.

## **Audience:**

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

- Network administrators
- 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

**The following Cisco courses can help you gain the knowledge you need to prepare for this course:**

- Implementing and Administering Cisco Solutions (CCNA)
- Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)

## **Course Outline:**

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- 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

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