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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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