Leveraging Cisco Intent-Based Networking DNA Assurance

Duration: 3 Days **Course Code: DNAAS** **Version: 2.1** **Delivery Method: Virtual Learning**

Overview:

The Leveraging Cisco Intent-Based Networking DNA Assurance (DNAAS) course provides you with the skills to monitor and troubleshoot a traditional brownfield network infrastructure by using Cisco® Digital Network Architecture (Cisco DNA™) Assurance. The course 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.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

Network and software engineers

Objectives:

- **After completing this course 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.
- 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

Prerequisites:

Attendees should meet the following prerequisites:

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

Testing and Certification

Recommended as preparation for the following exams:

- There is no exam currently aligned to this course

Content:

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

Labs

- 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

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

training@globalknowledge.ae

www.globalknowledge.com/en-ae/

Global Knowledge, Dubai Knowledge Village, Block 2A,First Floor, Office F68, Dubai, UAE