

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

Course Duration: 16 Hours

Course Code: DNAAS v.21

1. Course Overview

The **Leveraging Cisco Intent-Based Networking DNA Assurance (DNAAS) v2.1** course is designed to provide networking professionals with the knowledge and skills required to implement, configure, and troubleshoot Cisco DNA Assurance. This course introduces the key concepts of Cisco's intent-based networking approach, focusing on how DNA Assurance helps improve network performance, enhance visibility, and simplify operations through AI-driven insights.

2. What You'll Learn?

By the end of this course, you will be able to:

- Understand the fundamentals of Cisco DNA Center and DNA Assurance.
- Use AI/ML-based insights for proactive network monitoring and troubleshooting.
- Deploy and configure assurance features for enterprise networks.
- Analyze wired and wireless client health, device health, and application experience.
- Leverage assurance tools for faster root cause analysis and remediation.
- Implement best practices for operational efficiency using Cisco DNA Assurance.

3. Target Audience

This course is ideal for:

- Network engineers and administrators
- Network support and operations professionals
- IT managers responsible for enterprise networks
- System engineers and technical decision-makers working with Cisco DNA solutions

4. Pre-Requisites

Participants should have the following knowledge before attending this course:

- Familiarity with networking concepts, protocols, and architectures
- Understanding of Cisco enterprise networking solutions
- Basic knowledge of Cisco DNA Center fundamentals
- CCNP Enterprise-level knowledge is recommended

5. Course Content

Module 1: Introduction to Cisco DNA Assurance

- Overview of Intent-Based Networking and Cisco DNA
- Role of DNA Assurance in modern enterprise networks

Module 2: Cisco DNA Center and Assurance Fundamentals

- DNA Center architecture
- Assurance services overview
- Telemetry and data collection

Module 3: Client and Device Health Monitoring

- Wired and wireless client health analysis
- Device health metrics and dashboards
- Real-time monitoring and troubleshooting

Module 4: Application Experience with DNA Assurance

- Application visibility and monitoring
- Performance insights and user experience tracking

Module 5: Proactive Troubleshooting with AI/ML Insights

- Automated root cause analysis
- Network issues prediction and prevention

Module 6: Deployment and Best Practices

- Configuring DNA Assurance features
- Best practices for enterprise deployment
- Integrating DNA Assurance into operations workflows

Module 7: Advanced Use Cases and Reporting

- Custom reports and analytics
- Advanced troubleshooting scenarios