

Automating AI Solutions on Cisco Infrastructure

(DCAIAA) v1.0

Duration: 8 HRS

Overview

The Automate AI Solutions on Cisco Infrastructure (DCAIAA) Learning Path empowers you to transcend traditional network management paradigms and embrace a future where intelligent automation drives efficiency, resilience, and security for your AI-powered infrastructure.

The Learning Path delves into advanced network automation technologies, equipping you with the skills to orchestrate zero-touch provisioning (ZTP), learn about UI-based automation with templates, harness AI/ML templates in Cisco NDFC, implement AIOps for proactive infrastructure management, explore the potential of agentic AI, automate with infrastructure as code (IaC) tools, leverage Cisco Nexus-as-Code (NaC), and integrate Cisco Intersight for compute endpoint automation.

Course Objectives

AI Automation: Gain foundational knowledge of advanced network automation technologies and processes, such as automating Cisco network fabrics and AI-ready infrastructure using tools like Ansible and Terraform.

Skills You'll Learn

- Design and implement automated network solutions that accelerate AI/ML deployments
- Optimize network performance for demanding AI/ML workloads
- Improve network security and compliance
- Reduce operational costs and improve efficiency
- Drive innovation and enable new AI-powered business initiatives

Outline

- Automation and Configuration Principles
- Fabric Automation with IaC Tools
- Compute and Storage Automation
- Configure Cisco Nexus Switches with Ansible