

Cisco Silicon One for AI Networking (CPLL-DCSOAI)

Duration: 180 days

The Cisco Silicon One for AI Networking (DCSOAI) Learning Path helps technical professionals become familiar with the Cisco Silicon One architecture and performance. You will examine the technical limitations of traditional silicon, evaluate the drivers behind the Cisco Silicon One development, and assess its unified architecture and performance metrics, including throughput, latency, and power consumption. You will compare model-specific applications, differentiate between switching, routing, and AI fabric deployments, and investigate traffic optimization techniques for AI/ML workloads. Upon completion, you will be equipped to analyze, implement, and optimize Cisco Silicon One solutions for service provider, cloud, and AI-driven networks.

Skills You'll Learn

- Analyze the limitations of traditional silicon and evaluate the architectural and performance advantages of Cisco Silicon One
- Assess and compare various deployment scenarios—including switching, routing, and AI fabrics—while applying traffic optimization techniques for AI/ML workloads
- Implement and optimize Cisco Silicon One solutions across service provider, cloud, and AI-driven network environments

Learning Path Objectives

Cisco Silicon One for AI Networking: Uncover the advantages of Cisco Silicon One for AI and high-performance networks by examining its architecture, scalability, and optimization of AI traffic.