

## Operate and Troubleshoot AI Solutions on Cisco Infrastructure (CPLL-DCAIAOT)

Duration: 180 Days

The Operate and Troubleshoot AI Solutions on Cisco Infrastructure (DCAIAOT) Learning Path equips you to monitor and troubleshoot data center infrastructure—compute, storage, and network components supporting AI/ML workloads. Starting with foundational concepts, you'll learn lifecycle management and explore key troubleshooting techniques like log correlation, telemetry analysis, and timing protocols. The Learning Path covers essential tools such as Splunk for telemetry and troubleshooting. A hands-on lab simulation lets you use Splunk Enterprise to resolve issues with an unresponsive AI application. After completing this Learning Path, you'll be able to efficiently monitor, diagnose, and resolve issues in AI/ML-enabled data centers, ensuring reliable performance and maximum uptime for mission-critical workloads.

This Learning Path, along with the AI Solutions on Cisco Infrastructure Essentials (DCAIE) Learning Path, prepares you for the Implementing Cisco Data Center AI Infrastructure (300-640 DCAI) v1.0 exam. If passed, you earn the Cisco Certified Specialist - Data Center AI Infrastructure certification and fulfill the concentration exam requirement for the Cisco Certified Network Professional (CCNP) Data Center certification.

### Skills You'll Learn:

- Monitor and troubleshoot compute, storage, and network components in AI/ML data centers
- Apply lifecycle management to data center infrastructure supporting AI/ML workloads
- Use log correlation and telemetry analysis for efficient problem diagnosis
- Understand and apply timing protocols for infrastructure troubleshooting
- Utilize Splunk and Splunk Enterprise for telemetry and issue resolution
- Diagnose and resolve unresponsive AI applications through hands-on lab simulations
- Ensure reliable performance and maximum uptime for mission-critical AI/ML workloads

### Learning Path Objectives:

1. Operate and Troubleshoot AI Solutions on Cisco Infrastructure: Build foundational skills in monitoring and troubleshooting AI/ML data center infrastructure using techniques like log correlation, telemetry analysis, and tools such as Splunk Enterprise.