

## Transforming to a Cisco Intent-Based Network (CPLL-IBNTRN)

Duration: 180 days

The Transforming to a Cisco Intent-Based Network (IBNTRN) Learning Path teaches you the functionality of Cisco® SD-Access. Through a combination of lessons and hands-on learning, you will practice deploying, operating, and managing SD-Access networks using Cisco Catalyst Center. You will learn how Cisco delivers intent-based networking across the campus, branch, WAN, and extended enterprise and ensures that your network is operating as intended. You will explore Cisco Catalyst Center automation and assurance features, build wired and wireless fabric networks, implement segmentation and guest access, deploy multi-site and multicast services, migrate existing networks to SD-Access, and use Cisco Catalyst Center to troubleshoot common SD-Access issues.

### Skills You'll Learn:

- Gain hands-on experience operating wired, wireless, and multi-site SD-Access networks using Cisco Catalyst Center
- Understand automation features for device discovery, inventory management, and streamlined network configuration
- Utilize Cisco Catalyst Center Assurance and AI analytics to monitor network health and proactively troubleshoot performance issues
- Apply micro and macro segmentation, manage guest wireless access, and integrate Cisco ISE for robust network security
- Develop the expertise to successfully migrate traditional network infrastructures to modern, intent-based SD-Access environments

### Learning Path Objectives:

1. Cisco Catalyst Center and SD-Access: Explore the comprehensive capabilities of Cisco Catalyst Center, encompassing its intent-based networking foundations, automated device management workflows, and advanced assurance features for proactive network monitoring and troubleshooting.
2. Cisco Basic SD-Access: Gain proficiency in the architecture, components, and deployment of Cisco SD-Access across wired, wireless, and extended enterprise environments to effectively implement intent-based networking and automated operations.
3. Cisco SD-Access Security: Deploy secure network environments by understanding Cisco SD-Access segmentation, ISE integration, and automated guest access workflows to enhance policy management and visibility.

4. Cisco Advanced SD-Access: Implement advanced Cisco SD-Access solutions by mastering migration strategies, multi-site connectivity options, and multicast operations to ensure scalable and efficient network performance.

