+1 (219) 764-3800
6210 Central Ave, Portage IN
sales@ctclc.com
www.ctclc.com

CISCO Partner
Platinum Learning

WHERE GREAT TRAINING HAPPENS EVERYDAY!

Advanced Cisco SD-WAN Routing, Templates, Policy Configure, and Tshoot v4.0 (ADVANCED-SDWAN-GOV)

Advanced Cisco SD-WAN Routing, Templates, Policy Configure, and Tshoot v4.0 (ADVANCED-SDWAN-GOV)

This five-day, extensive, well-structured course outline provides a comprehensive training experience on Advanced SD-WAN features, tailored specifically for Federal and State Government Networks. The focus on the 20.12 SD-WAN and 17.12 IOS-XE releases ensures that participants are trained on the most relevant technologies for their environments.

Participants will also learn to design and deploy advanced local and centralized policies, integrate SD-WAN Security with Umbrella Cloud Security, and troubleshoot these implementations. The course concludes with a review of SD-WAN concepts for Government Networks, including high availability, SD-AVC, QoS Policies, advanced template design, routing protocols, Multicast Routing, and strategies for network migration to SD-WAN, including Cisco Multi-Region Fabric and migration from vEdge to cEdge Routers.

Key topics include:

- Advanced design and deployment of Feature, Device, CLI Templates, and Configuration Groups
- QoE features: Forward Error Correction (FEC), TCP Optimization (TCP OPT), Data Redundancy Elimination (DRE), and QoS policies
- Overlay, Transport, and Service-Side Routing Protocols: OMP, BGP, EIGRP, OSPF, RIP, On-demand routing, and Direct Internet Access (DIA)
- Multicast Routing in an SD-WAN environment

How you'll benefit

This class will help you:

- Gain the knowledge and skills needed to ensure the reliability, security, and efficiency of networks using Cisco Meraki Wireless Networks.
- Understand how to design, implement, manage, and troubleshoot networks

Why Attend with Current Technologies CLC

- Our Instructors are in the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The primary audience for this course is as follows:

- Network Engineers
- System Administrators
- IT Professionals in Government Agencies
- Technical Support Staff
- Cisco Certified Professionals

Course Duration
5 days
Course Price
$4,395.00 or 43 CLCs
Methods of Delivery
• Instructor Led
• Virtual ILT
• On-Site

OUTLINE

Module 0: Introductions

Module 1: SD-WAN Review and Baseline Knowledge

Module 2: SD-WAN High Availability:

Module 3: Catalyst SD-WAN Clusters for Government Networks:

Module 4: Advanced Feature and Device Template Design and Troubleshooting:

Module 5: Advanced Configuration Group Design

Module 6: Designing and Optimizing Network QoS

Module 7: Advanced SD-WAN Security with on-premises solutions and integration with Umbrella Cisco SASE

Module 8: Design and Troubleshooting of Cisco SD-WAN Routing Infrastructure

Module 9: Design and Troubleshooting Catalyst SD-WAN Local Policies

Module 10: Design and Troubleshooting Catalyst SD-WAN Central Policies

Module 11: Overview and Design of SD-WAN Multi-Region Fabric

Module 12: Designing and Implementing a Cisco SD-WAN Migration Strategy