

## Implementing Cisco Catalyst SD-WAN Solutions (CPLL-ENSDWI)

Duration: 180 Days

The Implementing Cisco Catalyst SD-WAN Solutions (ENSDWI) Learning Path helps you design, deploy, configure, and manage the Cisco software-defined wide area network (SD-WAN) solution in a large-scale network, including how to migrate from legacy WAN to Cisco SD-WAN. You will learn best practices for configuring routing protocols in the data center and the branch, and how to implement advanced control, data, and application-aware policies. This Learning Path also covers placement of controllers, how to deploy WAN Edge devices, multicast and quality of service (QoS), how to configure direct internet access (DIA) breakout, and various Application Quality of Experience (AppQoE) traffic optimization capabilities.

This Learning Path prepares you for the 300-415 ENSDWI v1.2 exam. If passed, you earn the Cisco Certified Specialist – Enterprise SD-WAN Implementation certification and satisfy the concentration exam requirement for the Cisco Certified Network Professional (CCNP) Enterprise certification.

### Skills You'll Learn:

- Establish a transport-independent WAN for lower cost and higher flexibility
- Provide secure end-to-end segmentation for protecting critical enterprise compute resources
- Extend seamlessly into the public cloud
- Optimize the user experience for Software-as-a-Service (SaaS) applications
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### Learning Path Objectives:

1. Cisco SD-WAN Deployment and Onboarding: Examine the Cisco SD-WAN solution components, functions, and evolution with software-defined networking.
2. Cisco SD-WAN Routing and Redundancy: Explore options for providing scalability, high availability, and redundancy in a Cisco SD-WAN environment.
3. Cisco SD-WAN Policies: Learn about Cisco SD-WAN policy concepts, including how they are defined, attached, distributed, and applied.

4. Cisco SD-WAN Cloud and Security: Discover how to configure and implement Direct Internet Access (DIA) and understand Cisco SD-WAN Cloud OnRamp options.
5. Cisco SD-WAN Design and Management: Gain an understanding of how to design pure and hybrid Cisco SD-WAN solutions and how to perform a migration to Cisco SD-WAN.

