

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Course-specific thinQtank[®] Learning publications to make the learning fun and engaging
- Hands-on Cisco labs every day
- We do not teach the test. We always deliver valuable hands-on experience
- All reading material and study guides sent to you when you register
- Every course taught by experienced Cisco-certified engineers
- Six months mentoring access to our engineers after the course

TRAINING CAMP FORMAT

thinQtank[®] Learning delivers this course as a **five-day instructor-led training camp, Monday to Friday**. About 60% lecture and 40% hands-on labs and practice exams. Hands-on work is set to suit the group and the delivery method. Contact us for the schedule covering your dates.

PREREQUISITES

- CCNA-level routing and switching knowledge
- Working knowledge of WAN technologies; ENCOR recommended

TARGET AUDIENCE

- Network engineers, administrators and architects
- WAN and branch network engineers
- Engineers preparing for CCNP Enterprise
- Service members, veterans and military spouses using AF COOL, Army CA, MyCAA or VET TEC 2.0

EXAM

Exam	300-415 ENSDWI
Exam fee	\$300 USD per attempt, set by Cisco
Format	Multiple choice and other types, 90 minutes
Passing	Not published by Cisco
Delivery	Pearson VUE test center or online proctored (OnVUE); we help you schedule

DELIVERY METHODS

- Instructor-led training
- Immersive live-online training
- On-site and custom delivery

COURSE OVERVIEW

thinQtank[®] Learning is offering a unique five-day training camp comprised of five days of instructor-led learning that gives students the knowledge and skills needed to design, deploy and operate Cisco Catalyst SD-WAN: the controller architecture, controller and WAN Edge onboarding, centralized policies, application-aware routing, security, QoS and day-2 operations.

ENSDWI is a CCNP Enterprise concentration exam and earns the Cisco Certified Specialist - Enterprise SD-WAN Implementation badge on its own.

This course prepares you for the **300-415 ENSDWI** exam.

WHAT YOU WILL BE ABLE TO DO

- Explain the SD-WAN orchestration, management, control and data planes
- Deploy controllers and onboard WAN Edge routers with ZTP
- Build centralized control and data policies and segmentation
- Apply SD-WAN security, Direct Internet Access and QoS
- Monitor and troubleshoot the fabric from SD-WAN Manager

COURSE OBJECTIVES

Primary course objectives, following the official exam outline:

- Architecture
- Controller Deployment
- Router Deployment
- Policies
- Security and QoS
- Management and Operations

EXCLUSIVE LEARNING PACKAGE

- thinQtank[®] Learning Accelerated Custom Exam Study Guide for the ENSDWI exam
- Practice exams built to the official exam outline
- Additional hours of remote lab access
- Custom video recordings for review
- Retake any or all of the course, in person or live online, for 24 months

CISCO CERTIFICATION PATH

CCNA

200-301 - associate foundation

CCNP Enterprise

350-401 ENCOR core + one concentration

CCIE Enterprise Infrastructure

Expert lab, ENCOR as qualifier

COURSE MODULES

01 Architecture

20% of exam

- › Topic A: SD-WAN planes: orchestration, management, control, data
- › Topic B: TLOCs, OMP routes, IPsec/GRE, BFD
- › Topic C: Multi-Region Fabric and WAN Edge platforms
- › Topic D: Cloud OnRamp for SaaS, IaaS, colocation, multicloud

02 Controller Deployment

15% of exam

- › Topic A: Cloud vs on-premises controller deployment
- › Topic B: Scalability and redundancy
- › Topic C: Certificates and authorized device lists
- › Topic D: Control plane connectivity troubleshooting

03 Router Deployment

20% of exam

- › Topic A: WAN Edge onboarding: ZTP and bootstrap
- › Topic B: Data center and regional hub designs
- › Topic C: TLOC extension and dynamic tunnels
- › Topic D: Configuration groups, feature profiles, OSPF/BGP/RRRP templates

04 Policies

20% of exam

- › Topic A: Centralized control and data policies
- › Topic B: End-to-end segmentation
- › Topic C: Application-aware routing incl. AI-driven path recommendation
- › Topic D: Direct Internet Access

05 Security and QoS

15% of exam

- › Topic A: Service insertion
- › Topic B: Edge firewall, IPS, URL filtering, AMP, TLS proxy
- › Topic C: Cloud security: DNS security and SIG
- › Topic D: QoS and AppQoE (TCP opt, DRE, FEC)

06 Management and Operations

10% of exam

- › Topic A: SD-WAN Manager monitoring, reporting, troubleshooting
- › Topic B: REST API monitoring
- › Topic C: Software image management

TERMS

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