Cisco Design and Architecture Certification Program

How You Benefit

- **Drive business outcomes and innovation** by enabling the breadth of Enterprise network capabilities

- **Optimize Enterprise network performance** by gaining Cisco network design expertise to ensure availability, flexibility, and scalability

- **Scale expertise** by building and validating network design skills from entry to architect levels

- **Earn** global recognition from an industry leader for your accomplishments

Demand for Trained and Experienced Enterprise Network Design Professionals

To achieve business outcomes and accelerate innovation, Enterprise environments require networks designed for performance, availability, and scalability with the flexibility to meet rapidly evolving demands. To meet these demands head on requires IT professionals with up-to-date, practical skills to plan, design, and optimize today's networks. As a market leader in networking, Cisco is committed to the implementation of high standards for network design.

To support this commitment the Cisco® Design and Architecture Certification Program has been created to emphasize network design principles, theory, and management while also aligning to the actual job roles and tasks Cisco network designers perform at all levels. By participating in this program, network design engineers are trained and tested on design expertise at the infrastructure level, which includes a broad, solutions-oriented approach to network design. The program includes:

- **Skills Building:** Recommended tools to help you learn best practices and gain hands-on experience. From entry level to expert level, we offer instructor-led and self-paced training options for every learning style and budget.

- **Skills Validation:** Assess network design skills and application and earn industry recognized Cisco credentials.

- **Skills Reinforcement:** Continually hone skills throughout your entire Cisco network design career.

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Cisco Design and Architecture Certification Program

Gain Job-Ready Practical Skills

The Cisco Design and Architecture certification curriculum validates a network design engineer's understanding of the latest design best practices throughout the entire design life cycle. From entry to architect level network design expertise, Cisco offers certification exams and supporting curriculum for the breadth of job-related skills. Regardless of your goal, from getting started with network design to expanding your current network design acumen we offer tools for every learning style, time constraint, and budget. The choice is yours, so design your future with the Cisco Design and Architecture certification program.

Curriculum Overview

DESIGN: CCENT ⟩ CCDA ⌄ CCDP ⟩ CCDE ⟩ CCAr ⟩

Cisco Certified Design Associate (CCDA)
Skilled IT professionals enable networks to perform optimally by applying design fundamentals. Build and validate fundamental Cisco network design skills to address different network types, approaches, objectives, as well as considerations for future expansion with the Cisco CCDA® certification program.

Pre-requisite(s)	Valid CCENT® or, Valid CCNA® Routing and Switching, or Valid CCIE®		
Topic Focus	Basic network design methodology and objectives	Addressing and Routing Protocols	Enterprise network design and expansion considerations
Job Role(s)	Network Design Engineers	Sales Engineer	System Engineer
Experience Level (Years)	1-3		
Required Exam(s)	200-310 DESGN		
Recommended Training	Designing for Cisco Internetwork Solutions (DESGN) v3.0		

www.cisco.com/go/ccda

DESIGN: CCENT ⟩ CCDA ⟩ CCDP ⌄ CCDE ⟩ CCAr ⟩

Cisco Certified Design Professional (CCDP)
Seasoned IT professionals with progressive end-to-end network design expertise are crucial to move enterprises forward. Expand upon your CCDA expertise and develop and assess advanced Cisco network design expertise to address the latest Cisco Enterprise Networks architecture, services virtualization, and integration strategies with the Cisco CCDP® certification program.

Pre-requisite(s)	Valid CCDA, and valid CCNA® Routing and Switching, or Valid CCIE		
Topic Focus	Advanced addressing/routing solutions	Advanced Enterprise Campus Networks and WANs	Enterprise data center integration strategies
Job Role(s)	Senior Network Design Engineer	Network/Solution Architect	Principle Systems Engineer
Experience Level (Years)	3-5		
Required Exam(s)	300-320 ARCH	300-001 ROUTE	300-115 SWITCH
Recommended Training	Designing Cisco Network Service Architecture (ARCH v3.0)	Implementing Cisco IP Routing (ROUTE)	Implementing Cisco IP Switched Networks (SWITCH)

www.cisco.com/go/ccdp

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Cisco Certified Design Expert (CCDE)

Advanced-level Enterprise network design professionals who lead the design of strategic infrastructure solutions for large networks are paramount today and beyond. Prove your ability to develop solutions which address planning, design, integration, optimization, operations, security and ongoing support at the network infrastructure level with the Cisco CCDE® certification program.

Pre-requisite(s)	None, however in-depth knowledge of advanced internetworking theory and design principles are recommended		
Topic Focus	Layer 2 and 3 control planes	Network virtualization	Analyze design requirements and develop designs
Job Titles	Expert-Level Network Design Engineers	Expert-level network leads of architecture teams	Expert-level network leads of IT infrastructure teams
Experience Level (Years)	7+		
Required Exam(s)	352-001 CCDE	CCDE Practical Exam v2.0	
Recommended Training	Cisco Press	Cisco Learning Network Study Groups	

www.cisco.com/go/ccde

DESIGN: CCENT ⟩ CCDA ⟩ CCDP ⟩ CCDE ⟩ CCAr ⌄

Cisco Certified Design Expert (CCAr)

Highly advanced-level network infrastructure professionals who interact with key business decision makers to develop and articulate the vision for a network and align the vision with the business' strategic goals and requirements. Demonstrate your acumen within requirements gathering, functional specs development, and communications with the Cisco CCAr® certification program.

Pre-requisite(s)	Valid CCDE Certification		
Topic Focus	Gather, clarify, and analyze requirements	Develop functional specs and create roadmap	Convey decisions and rationale and demonstrate technical expertise
Job Titles	Senior Network Infrastructure Architects		
Experience Level (Years)	10+		
Required Exam(s)	Application Approval	1 Board Review	
Recommended Training	No formal training provided		

www.cisco.com/go/ccar

Next Steps

Design your future with job-ready practical network design skills training and certification from an industry leader, Cisco. We are here to support you every step of the way, to learn more about the Cisco Design and Architecture certification program visit Cisco Learning Network.