



How You Benefit

- Play a key role in driving business outcomes and innovation by enabling enterprise-class data center infrastructure
- Scale expertise by building and validating Cisco data center knowledge and industry best practices at all levels
- Solidify and expand your skills to support a broad range of data center technologies
- Earn global recognition from an industry leader for your accomplishments

Demand for IT Professionals with Expertise in Data Center Infrastructure

Core to supporting new business models involving the Internet of Things (IoT), big data, and cloud, or to modernizing existing business-critical applications, is an enterprise-class data center. Agile delivery of business transformation initiatives relies on modern data center infrastructure.

In-demand IT professionals focused on data center requirements continue to be presented with an ever-increasing and evolving set of responsibilities. Cisco's certification and training program enables key skills needed for world-class data center operations, rapid application deployment and delivery of successful business outcomes.

The program includes:

- **Skills building:** The industry-leading Cisco CCNA®, CCNP®, and CCIE® Data Center programs provide Associate- through Expert-level training and certification in the key skills and technologies needed to design, implement, and troubleshoot a complex, modern data center infrastructure.
- **Skills validation:** Certification of Cisco data center infrastructure-focused knowledge, skills, and industry best practices.
- **Skills reinforcement:** Continually hone and expand your skills throughout your IT career.

Gain Job-Ready Practical Skills

The CCNA, CCNP, and CCIE Data Center certifications are job-role-focused training and certification programs that allow you to gain the deep and broad skills required in enterprise-class data centers to deliver successful business outcomes and bring optimal value to your organization's IT infrastructure. In addition to data center network management, key skills for today's data center professionals include streamlining operations through automation, establishing policy-driven infrastructure across data center physical and virtual resources, implementing unified communications and advanced virtualization, and working closely with cloud and application services teams that directly enable business transformation initiatives. IT practitioners with Cisco certification have validated skills to deploy a common, standard approach for policy and application deployment models across the data center infrastructure and cloud. IT practitioners who are Cisco trained and certified are uniquely qualified for key roles in enterprise data center environments, with expertise using the broad range of data center technologies, skills, and industry best practices.

Curriculum Overview

DATA CENTER: [CCNA](#) < CCNP > CCIE >

Cisco Certified Network Associate Data Center (CCNA Data Center)		
The CCNA Data Center certification and training program validates and provides job-ready foundational-level certification and skills in installing, configuring, and maintaining data centers.		
Pre-requisite(s)	No Prerequisites	
Topic Focus	<ul style="list-style-type: none"> · Data center networking concepts and technologies · Data center storage networking · Data center physical infrastructure 	<ul style="list-style-type: none"> · Unified computing · Data center network virtualization · Cisco data center networking technologies · Cisco Application Centric Infrastructure · Data center automation and orchestration
Job Role(s)	Entry-level to experienced: <ul style="list-style-type: none"> · Network administrator · Network engineer · System administrator · Systems engineer 	
Experience Level (Years)	One to three years of IT experience	
Required Exam(s)	200-150 DCICN	200-155 DCICT
Recommended Training	Introducing Cisco Data Center Networking (DCICN) v6.0	Introducing Cisco Data Center Technologies (DCICT) v6.0

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Cisco Data Center Certification Program

DATA CENTER: CCNA > **CCNP** < CCIE >

Cisco Certified Network Professional Data Center (CCNP Data Center)

The CCNP Data Center program offers comprehensive Professional-level training and certification focused on the solutions and technologies needed to design, implement, and manage a complex, modern data center infrastructure.

Pre-requisite(s)	Valid CCNA Data Center or any CCIE certification				
Topic Focus	Implementing: <ul style="list-style-type: none"> Unified computing implementation, maintenance, and operations Automation Unified computing security Unified computing storage 	Implementing: <ul style="list-style-type: none"> Data center protocols Routing and switching protocols Infrastructure maintenance, management, and operations Infrastructure security Infrastructure storage 	Implementing: <ul style="list-style-type: none"> Infrastructure virtualization Infrastructure automation Cisco Application Centric Infrastructure 	Designing: <ul style="list-style-type: none"> Network connectivity Infrastructure Storage network Compute connectivity 	Troubleshooting: <ul style="list-style-type: none"> Data center protocols Network virtualization and automation Cisco Application Centric Infrastructure Data center storage Compute platforms Management and operations
Job Role(s)	<ul style="list-style-type: none"> Presales engineer Design engineer Data center engineer Support engineer Senior network engineer Data center administrator 				
Experience Level (Years)	Five to eight years of IT experience				
Required Exam(s)	300-175 DCUCI AND 300-165 DCII AND 300-170 DCVAI AND 300-160 DCID OR 300-180 DCIT				
Recommended Training	Implementing Cisco Data Center Unified Computing (DCUCI) v6.0	Implementing Cisco Data Center Infrastructure (DCII) v6.0	Implementing Cisco Data Center Virtualization and Automation (DCVAI) v6.0	Designing Cisco Data Center Infrastructure (DCID) v6.0	Troubleshooting Cisco Data Center Infrastructure (DCIT) v6.0

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DATA CENTER: [CCNA](#) > [CCNP](#) > [CCIE](#) ▾

Cisco Certified Internetwork Expert Data Center (CCIE Data Center)

The CCIE Data Center program certifies Expert-level skills focused in-depth on the data center solutions and emerging technologies needed to design, implement, and manage a complex, modern data center infrastructure. The CCIE Data Center practitioner is uniquely qualified to play a leadership role in harnessing evolving technologies and deep domain expertise to meet business requirements that depend on an agile IT infrastructure. Professionals who achieve CCIE Data Center certification have demonstrated their technical skills at the highest level using industry best practices.

Pre-requisite(s)	In general, candidates have several years of job experience and have in-depth skills and knowledge pertaining to data center topics and technologies; no formal prerequisites.
Topic Focus	Various aspects of planning, implementing, and troubleshooting data center infrastructure: <ul style="list-style-type: none">· Policy- and nonpolicy-based fabric infrastructure· Virtualization· Data center automation and orchestration· Layer 2 and Layer 3 technologies· Emerging technologies (CCIE Data Center Written Exam)
Job Titles	<ul style="list-style-type: none">· Data center architect· Business services architect· Senior IT consultant· Senior network engineer· Senior systems engineer· Senior design engineer· Senior data center engineer
Experience Level (Years)	Eight or more years of IT experience in progressively senior-level contributor or leadership roles
Required Exam(s)	<ul style="list-style-type: none">· 400-151 CCIE Data Center Written Exam· CCIE Data Center Lab Exam
Recommended Training	<ul style="list-style-type: none">· CCIE Data Center self-study resources· CCIE evolving technologies resources

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