NetCom LEARNING | Cisco Authorized Training

# CISCO ALL-IN-ONE GUIDE

## Cisco Training & Certifications: Empower your Teams with the Most In-Demand Cisco Skills

Phone/WhatsApp: +86 186 7567 8996
+1 (346) 638-0369



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# CISCO CERTIFICATION TRAINING OVERVIEW

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## Expand and Validate In-Demand Skills with Cisco Training and Courses

A recent survey revealed that:

**66%**

of decision makers believe that a Cisco certification improves the overall process of IT end-users andcustomer service and support

**55%**

of IT professionals said the knowledge gained from becoming certified has been transferable to real work situations

**75%**

of managers say Cisco certifications are important for better team performance

Networking is the foundation of the IT industry and modern technology, and Cisco is the undisputed global leader in networking, enterprise, data center, security, collaboration, service providers, and DevNet. Cisco's globally recognized certifications help businesses looking to have their teams develop a better understanding of the key Cisco technology tracks. Cisco training validates proficiency in building and maintaining Cisco networks and upgrades core networking skills and knowledge. Cisco training helps software developers, network managers, security analysts, DevOps engineers, automation specialists, network administrators, consulting systems engineers, technical solutions architects, and other software professionals enhance their skills and knowledge of Cisco products and key tracks.



# WHY GET CERTIFIED?

## 6 Benefits of Cisco Training and Certifications

Before digging deep into the Cisco certification path, we'd like to share with you our answer to the most asked question of "why get certified?"

There are several great benefits of getting Cisco training and certifications to support your organization in reaching its goals. Here, we are compiling a few, just to ensure that you understand why earning one or more Cisco certifications is worth it. Let's dive in to find out what Cisco training and certification can do for your teams and organization:

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### Globally Recognized Credentials from the Networking Leader

Cisco established routing and switching technologies–and the trend continues to lead the way, with the largest installed base and greatest market share in the industry. Technology is ever-evolving, and to ensure your teams have the most updated skills, Cisco has made a big change in its certification suite to address the industry's modern requirements for networking, enterprise, data center, security, collaboration, service provider, and DevNet. Cisco certification helps teams learn how to install, configure, operate, and troubleshoot routed and switched networks. When teams get trained and certified to work on Cisco products, their skills become more valuable to the organization.

## In-Demand Skills

A good certification program offers discipline and frequent practice sessions, which helps you deeply ingrain a skill set and perform tasks more efficiently and effectively.

The core knowledge from Cisco helps expand the knowledge of routing and switching, IP subnetting, IP addressing schemes, firewalls, the internet of ihings, power over ethernet, and more. So, when you run into business problems, you know what to expect and what to apply to come up with the right solution.

## Builds Confidence

With the increased skills and knowledge gained from certification, Cisco certifications give you confidence that can build even further progress and self-assurance—not just skills, but you gain a strong work ethic and are ready to face various business challenges.

**Value Versatility:** Attributes like knowledge, skill, validation, ability to take on added responsibility, and confidence translate to your increased value as a successful performer in the eyes of employers and customers. A strong certification portfolio allows you to use those added skills to enhance your current strengths and discover new interests as well.

## Preparation for New-Age Network Evolution

As businesses are ever-evolving with digitization, the network infrastructure is also experiencing fundamental changes. Much of the manual process of operating traditional networks have given way to a programmable network architecture that depends on virtualization, automation, analytics, cloud service management, openness, and extensibility. Businesses looking to boost their workforces' skills in IT networking today should embrace this shift. Cisco certifications allow teams to tap into the power of new-age networking solutions.

## Updates on Latest Technology Shifts

Technology continues to shift, and IT professionals need to be updated with the latest industry trends and changes. Sixty-four percent of IT professionals worldwide are either currently training for certification this year or plan to; those currently certified are almost twice as likely to pursue new certifications actively. Cisco continually surveys the changing IT landscape for technological developments that impact our certifications and helps businesses keep their employees up to date.

## Value in Recertification

Recertification is a powerful, industry-recognized way to validate your knowledge and skills. Cisco constantly monitors its certifications to make sure that they are keeping pace with IT requirements. To ensure that your teams have updated knowledge, it is crucial that they adopt the attitude of a lifelong learner and recertify.

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# CISCO CERTIFICATIONS: THE ULTIMATE GUIDE

Cisco offers a comprehensive range of certifications to ensure that IT professionals and teams have the skills and knowledge necessary to support Cisco products and solve customers' technology problems on various fronts. These certifications are designed to address the high-impact training needs of beginners and experts who want to get proficient in Cisco's wide range of products and solutions. Cisco's training and certification program offer a direct route to help IT professionals and teams stay ahead of the curve. Cisco has carefully divided its certifications into different levels and paths, including storage networking, security, design, and routing & switching.

Cisco provides five levels of network certification: Entry, Associate, Professional, Expert, and Architect, the highest level of accreditation within the Cisco Career Certification program. Each level offers one or more credentials. Earning a credential usually involves passing one or more certification exams. NetCom Learning- an Authorized Cisco Learning Partner, delivers most Cisco certifications from the associate and professional levels. Let's explore the Cisco certifications of different levels from a broader approach:

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## Entry

- **Cisco Certified Technician (CCT)**
  - Cisco Certified Technician (CCT) - Collaboration
  - Cisco Certified Technician (CCT) - Data Center
  - Cisco Certified Technician (CCT) - Routing & Switching

## Associate

- **Cisco Certified Network Associate (CCNA)**
- **Cisco Certified DevNet Associate**
- **Cisco Certified CyberOps Associate Certification**

## Professional

- **CCNP® Enterprise Certification**
- **CCNP® Data Center Certification**
- **CCNP® Security Certification**
- **CCNP® Collaboration Certification**
- **CCNP® Service Provider Certification**
- **Cisco Certified CyberOps Professional Certification**
- **Cisco Certified DevNet Professional Certification**

## Expert

- **Cisco Certified Design Expert (CCDE)**
- **CCIE Enterprise Infrastructure Certification**
- **CCIE Enterprise Wireless Certification**
- **CCIE Collaboration Certification**
- **CCIE Data Center Certification**
- **CCIE Security Certification**
- **CCIE Service Provider Certification**

## Specialist

- **Collaboration**
  - Cisco Unified Contact Center Enterprise Specialist
- **Data Center**
  - Cisco and NetApp FlexPod Design Specialist
  - Cisco and NetApp FlexPod Implementation and Administration Specialist
- **Cisco Meraki Solutions**
  - Cisco Meraki Solutions Specialist
  - Engineering Cisco Meraki Solutions Part 1 (ECMS1) v2.0
  - Engineering Cisco Meraki Solutions Part 2 (ECMS2) v2.0



# CISCO ENTRY-LEVEL CERTIFICATIONS

Entry-Level certifications are the starting point for individuals interested in starting a career as a networking professional.

The CCT (Cisco Certified Technician) is the one who works closely with Cisco's Technical Assistance Center (TAC) for easy assistance and to resolve support queries. The Entry-Level Cisco certification is ideal for the network professionals who install, troubleshoot, maintain, detect issues with, and restore network equipment.




## Cisco Certified Technician (CCT)

Cisco Certified Technicians (CCT) exemplify the skills needed to diagnose, repair, rebuild, and replace critical Cisco networking and system devices at customer sites. Technicians work closely with the Cisco Technical Assistance Center (TAC) to resolve support incidents efficiently and quickly.

CCT is great for support technicians looking to expand their area of expertise by having certifications in multiple technology tracks such as CCT collaboration, CCT data center, and CCT routing & switching.

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### Cisco Certified Technician (CCT) - Collaboration

Cisco Certified Technician (CCT) Collaboration certification aims at the skills needed for onsite maintenance and support of Cisco collaboration endpoints and operating environments. Technicians in this area can classify Cisco collaboration endpoint models, cabling, accessories, and interfaces. The training helps you understand the Cisco collaboration software, discover commonly found software, and use the Cisco Command Line Interface (CLI) to connect and service products.

Exam: 100-890 CLTECH

### Cisco Certified Technician (CCT) - Data Center

Cisco Certified Technician (CCT) Data Center certification provides the skills needed for onsite maintenance and support of Cisco Unified Computing Systems and servers. Technicians in this field learn to identify Cisco Unified Computing System components and servers, accessories, cabling, and interfaces; use the Cisco Graphical User Interface to connect and service product components and understand the Cisco UCS and NX-OS operating modes and identify commonly found software.

Exam: 010-151 DCTECH

## Cisco Certified Technician (CCT) - Routing & Switching

With Cisco Certified Technician (CCT) Routing and Switching certification, you will gain the necessary skills for onsite maintenance and support of Cisco routers, switches, and operating environments. Technicians in this field learn to identify Cisco router and switch models, accessories, interfaces, and cabling; understand the Cisco IOS Software operating modes; and detect commonly found software. These professionals also learn to use the Cisco Command Line Interface (CLI) to connect and service products.

Exam: 100-490 RSTECH

## Who Should Get Certified?

- **Network Professionals**
- **Network Administrators**
- **Network Specialists**
- **Network Support Engineers**
- **Network Analysts**
- **System Engineers**

**Alternative Certification:** Apart from Cisco, you can take this opportunity to upskill your teams with CompTIA training and certifications by NetCom Learning. CompTIA offers vendor-neutral certifications to foster skills development from beginners to expert levels. For entry-level training, opt for the below certifications:

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## CompTIA A+ Certification Prep (Exam 220-1001 & 220-1002)

CompTIA A+ is the industry standard for launching IT careers into today's digital world to execute critical IT support tasks and validates core skills, and abilities demanded in the workplace. The new CompTIA A+ Core Series: CompTIA A+ Exam Codes 220-1001 & 220-1002 (Core 1 & Core 2)- covers extended content on the developing parts of the IT support role, including an extension of baseline security topics.

## CompTIA Network+ Certification Prep (Exam N10-007)

This intermediate-level Network+ course validates your skills in designing, configuring, managing, and troubleshooting networks through CompTIA Network+. CompTIA Network+ Certification Prep includes virtualization techniques, wireless/wired network management, mobility, critical security concepts, protocols, standards, troubleshooting methods, and more.



# CISCO ASSOCIATE-LEVEL CERTIFICATIONS

The Associate Level is the foundation level of networking certification and begins with CCNA for network installation, operations, and troubleshooting, or CCDA for network design. Thus, the first step in preparing for a career in IT is getting the CCNA certification. To earn CCNA certification, your teams need to pass one exam covering a wide range of fundamentals for IT careers based on software development skills, the latest networking technologies, and job roles.

Cisco's Associate-Level certifications include the Cisco Certified Network Associate (CCNA), Cisco DevNet Associate, and the Cisco Certified CyberOps Associate. Candidates are required to pass one or two certification exams to achieve these credentials, depending on the track chosen. A Cisco Certified Network Associate recognizes basic skills in installing, supporting, and troubleshooting wired and/or wireless networks. The Cisco Certified DevNet Associate certification validates a candidate's core knowledge of Cisco platforms, Cisco's programmability strategy, and APIs. The Cisco Certified CyberOps Associate prepares professionals to work with associate-level cybersecurity analysts within Security Operations Centers (SOCs).

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## Cisco Certified Network Associate (CCNA) Certification

The CCNA certification validates knowledge and skills in network fundamentals, security fundamentals, network access, IP connectivity, IP services, automation, and programmability.

The new CCNA incorporates fundamentals based on the latest technologies, software development skills, and job roles. It will prepare your teams for associate-level job roles in IT. CCNA now incorporates security, automation, and programmability. This program covers a broad range of topics, such as routing and switching, wireless networking, security, and some programming concepts.

**Exam:** 200-301 CCNA- Implementing and Administering Cisco Solutions

## Who Should Get Certified?

- Network Administrators
- Network Specialists
- Network Support Engineers
- Network Analysts, Network Managers
- System Engineers, Network Designers
- Individual aiming for CCNA certification

## Cisco Certified CyberOps Associate Certification

Achieving the Cisco Certified CyberOps Associate certification opens numerous career opportunities in cybersecurity operations. You need to pass one exam that covers the fundamentals of cybersecurity operations, skills, and procedures in order to earn the CyberOps Associate certification.

Due to widespread cyber threats, organizations need to prepare their teams to detect cybersecurity breaches and effectively respond to security incidents quickly. Our teams must have the skillset to be alert about security systems and protect the organizations by detecting and responding to these cybersecurity threats. The Cisco Cyber Ops Associate certification training helps you prevent, detect, and defend against cybersecurity threats and prepare you for associate-level job roles in Security Operations Centers. Cisco Certified CyberOps Associate will prepare your employees to work with associate-level cybersecurity analysts within SOCs.

Cisco Certified CyberOps Associate Certification is DoD approved.

**Exam:** 200-201 CBROPS- Understanding Cisco Cybersecurity Operations Fundamentals

### Who Should Get Certified?

- **Security Operations Center**
- **Security Analyst**
- **Computer/Network Defense Analysts**
- **Computer Network Defense Infrastructure Support Personnel**
- **Security Operations Center (SOC) teams and Future Incident Responders**

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## Cisco Certified DevNet Associate Certification

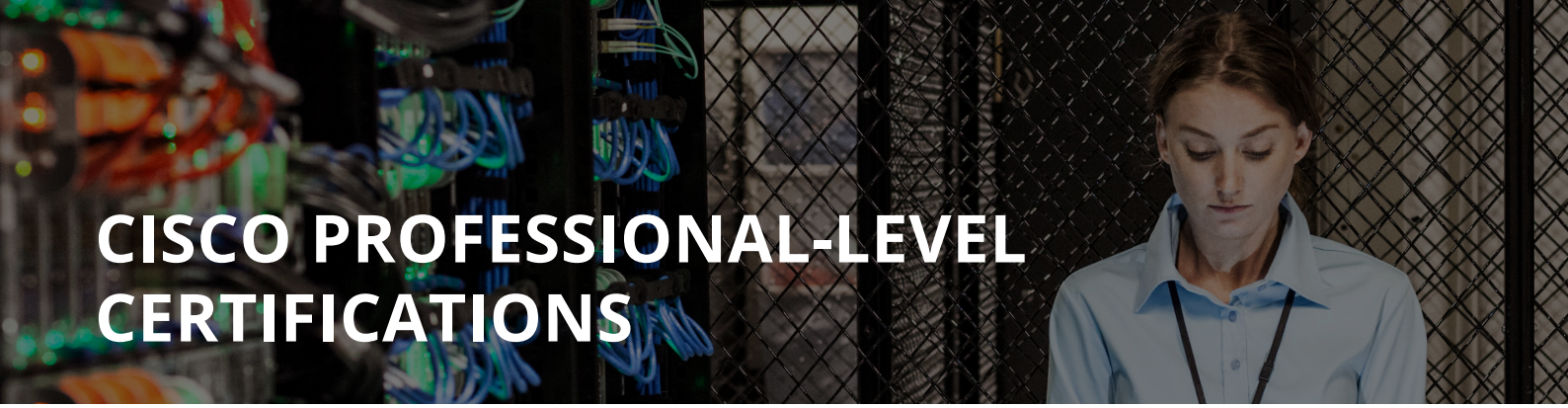
Cisco Certified DevNet Associate certification helps develop and upgrade your skills in developing and maintaining applications built on Cisco platforms. To get DevNet Associate certification, you need to pass one exam that covers the fundamentals of software development and design for Cisco platforms.

The Cisco DevNet Associate certification is intended for professionals who perform a developer role and have one or more years of hands-on experience developing and maintaining applications built on top of Cisco platforms. This certification will help build and boost your core knowledge of Cisco platforms, Cisco's programmability strategy, working with applications, and APIs.

**Exam:** 200-901 DEVASC- Developing Applications and Automating Workflows using Cisco Platforms

### Who Should Get Certified?

- **Software Developers**
- **DevOps Engineers**
- **Automation Specialists**
- **Other software professionals**



# CISCO PROFESSIONAL-LEVEL CERTIFICATIONS

The professional level is an advanced level of certification that validates more expertise with networking skills. Each certification covers a different technology to meet the demands of different job roles.

Cisco's Professional-Level certifications validate the breadth and depth of candidates' knowledge, covering the core concepts that span a technology area while also providing the flexibility to choose a focus area. All certifications in this level require candidates to pass two exams: one core exam and one concentration exam. Please note that the core exams in each Cisco Certified Network Professional (CCNP) technology track also serve as qualifying exams for the expert-level Cisco Certified Internetwork Expert (CCIE) practical/lab exams.




## Cisco Certified Network Professional (CCNP) Enterprise Certification

Getting a CCNP Enterprise certification validates skills with enterprise networking solutions. You must pass two exams so that you earn CCNP Enterprise certification: one that covers core enterprise technologies and one enterprise concentration exam of your choice.

The CCNP Enterprise certification program helps your teams perform various enterprise networking technologies-related roles. CCNP Enterprise now comprises automation and programmability and enables you to scale your networking infrastructure. In addition, CCNP offers you the flexibility to choose a focus area and validates the core knowledge you need.

The CCNP Enterprise Certification is approved by Army Credentialing Assistance (CA).

**Core Exam:** 350-401 ENCOR- Implementing and Operating Cisco Enterprise Network Core Technologies

**Concentration Exams (choose one):**
300-410 ENARSI, 300-415 ENSDWI, 300-420 ENSLD, 300-425 ENWLSD, 300-430 ENWLSI, 300-435 ENAUTO

## Who Should Get Certified?

- Consulting Systems Engineer
- Network Administrator
- Network Engineer
- Network Manager
- Sales Engineer
- Systems Engineer
- Technical Solutions Architect
- Wireless Design Engineer
- Wireless Engineer

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## Cisco Certified Network Professional (CCNP) Collaboration Certification

The new CCNP Collaboration certification program will support your teams in today's collaboration technologies job roles. CCNP Collaboration certification now covers automation and programmability to help you scale your collaboration infrastructure. One of the industry's most respected certifications, CCNP demonstrates the core knowledge you need while giving you the flexibility to choose a focus area.

Getting CCNP Collaboration certification demonstrates your skills with collaboration solutions. To earn CCNP Collaboration certification, you need to pass two exams: one that covers core collaboration technologies and one collaboration concentration exam of your choice. It will help you choose your certification as per your technical area of focus.

The **CCNP® Collaboration Certification** is approved by Army Credentialing Assistance (CA).

**Core Exam:** 350-801 CLCOR- Implementing and Operating Cisco Collaboration Core Technologies

**Concentration Exams (choose one):** 300-810 CLICA, 300-815 CLACCM, 300-820 CLCEI, 300-825 CLCNF, 300-835 CLAUTO

### Who Should Get Certified?

- Network Administrators
- Network Engineers
- Systems Engineers
- CCNP Collaboration candidates

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## Cisco Certified Network Professional (CCNP) Data Center Certification

The new CCNP Data Center certification program offers professional-level job roles in data center technologies. To help you scale your data center infrastructure, CCNP Data Center now includes automation and programmability.

Achieving CCNP Data Center certification demonstrates your skills with data center solutions. You pass two exams to earn CCNP Data Center certification: one that covers core data center technologies and one data center concentration exam of your choice, so you can choose your technical area of focus.

The CCNP Data Center Certification is approved by Army Credentialing Assistance (CA).

**Core Exam:** 350-601 DCCOR- Implementing and Operating Cisco Data Center Core Technologies

**Concentration Exams (choose one):**
300-610 DCID, 300-615 DCIT, 300-620 DCACI, 300-625 DCSAN, 300-630 DCACIA, 300-635 DCAUTO

### Who Should Get Certified?

- Data Center Engineers
- Network Designers
- Network Administrators
- Network Engineers
- Systems Engineers
- Consulting Systems Engineers
- Technical Solutions Architects
- Server Administrators
- Network Managers
- Cisco Integrators or Partners

## Cisco Certified Network Professional (CCNP) Security Certification

Achieving CCNP Security certification helps you upgrade your skills with security solutions. You'll have to pass two exams in order to earn CCNP Security certification: one that covers core security technologies and one security concentration exam of your choice so that you can keep your certification as per your technical area of focus.

The new CCNP Security certification program prepares your teams for professional-level job roles in security technologies. The CCNP Security program consists of automation and programmability to assist you in scaling your security infrastructure. CCNP validates the core knowledge you need and is one of the industry's most respected certifications.

The CCNP Security Certification is approved by Army Credentialing Assistance (CA).

**Core Exam:** 350-701 SCOR- Implementing and Operating Cisco Security Core Technologies

**Concentration Exams (choose one):**
300-710 SNCF, 300-715 SISE, 300-720 SESA, 300-725 SWSA, 300-730 SVPN, 300-735 SAUTO

### Who Should Get Certified?

- Security Engineers
- Security Administrators
- Security Architects
- Operations Engineers
- Network Engineers
- Network Administrators
- Network or Security Technicians
- Network Managers
- System Designers
- Cisco Integrators and Partners

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## Cisco Certified Network Professional (CCNP) Service Provider Certification

The new CCNP Service Provider certification program will prepare your teams for professional-level job roles in service provider technologies. This certification now also contains automation and programmability to help you scale your service provider infrastructure.

After getting the CCNP Service Provider certification, your teams will have the necessary skills for service provider solutions. Your teams will have to pass two exams in order to earn CCNP Service Provider certification: one that covers core service provider technologies and one service provider concentration exam of their choice.

The CCNP Service Provider Certification is approved by Army Credentialing Assistance (CA).

**Core Exam:** 350-501 SPCOR- Implementing and Operating Cisco Service Provider Network Core Technologies

**Concentration Exams (choose one):** 300-510 SPRI, 300-515 SPVI, 300-535 SPAUTO

### Who Should Get Certified?

- Network Administrators
- Network Engineers
- Network Managers
- Systems Engineers

## Cisco Certified CyberOps Professional Certification

The cybercrime ecosystem has been expanding, and traditional information security can be insufficient, so organizations need to evolve their security measures into intelligent security rather than information security. Achieving the Cisco Certified CyberOps Professional certification will improve your teams' skills as information security analysts in incident response roles, cloud security, and other active defense security roles.

You need to pass two exams to earn a Cisco Certified CyberOps Professional certification: one that covers core technologies and one concentration exam. Certify your CyberOps skills and validate your knowledge in cybersecurity.

We at NetCom Learning offer e-learning for **Cisco Certified CyberOps Professional Certification**.

**Core Exam:** 350-201 CBRCOR- Performing CyberOps Using Cisco Security Technologies

**Concentration Exam:** 300-215 CBRFIR

### Who Should Get Certified?

- Cybersecurity Engineers and Investigators
- Incident Managers
- Incident Responders
- Network Engineers
- SOC Analysts operating at entry level with 2+ years of experience

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## Cisco Certified DevNet Professional Certification

The DevNet certification program upgrades the skills of professional-level software developers, automation specialists, DevOps engineers, and other software professionals. The training focuses on key emerging technical skills for teams to empower organizations to adopt the potential of applications, automation, and infrastructure for the network, DevOps, Internet of Things (IoT), and WebEx.

Getting the Cisco Certified DevNet Professional certification will boost your skills in developing and maintaining applications built on Cisco platforms. To get DevNet Professional certification, you need to pass two exams: one that covers core software development and design for Cisco platforms and one software developer concentration exam of your choice.

After getting the CCNP Service Provider certification, your teams will have the necessary skills for service provider solutions. Your teams will have to pass two exams in order to earn CCNP Service Provider certification: one that covers core service provider technologies and one service provider concentration exam of their choice.

**Core Exam:** 350-901 DEVCOR- Developing Applications Using Cisco Core Platforms and APIs

**Concentration Exams (choose one):**
300-435 ENAUTO, 300-835 CLAUTO, 300-635 DCAUTO, 300-535 SPAUTO, 300-735 SAUTO, 300-910 DEVOPS, 300-915 DEVIOT, 300-920 DEVWBX

### Who Should Get Certified?

- Software Developers
- DevOps Engineers
- Automation Specialists
- Other software professionals



# CISCO EXPERT-LEVEL CERTIFICATIONS

The Expert-Level certifications are considered the most prestigious networking certifications in the industry. These certifications have launched a new stream in Evolving Technologies Domain to keep the Cisco certifications updated and current. The Expert-Level certification programs are ideal for professionals looking for network-track and design-track Cisco certification programs.

## Cisco Certified Design Expert (CCDE)

Cisco Certified Design Expert (CCDE) certification is popular among expert-level network design engineers, expert-level IT infrastructure teams, and expert-level network leads of architecture teams. The CCDE certification will prepare your designers to develop design solutions at the infrastructure level for large customer networks. It provides deep technical networking knowledge that ensures your teams are well-qualified to address the most technically challenging network infrastructure design assignments.

Exams: 352-001 CCDE Written Exam, CCDE Practical Exam

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## Cisco Certified Internetwork Expert (CCIE) Enterprise Infrastructure Certification

Gaining the CCIE Enterprise Infrastructure certification demonstrates your skills with complicated enterprise infrastructure solutions. You need to pass two exams to earn CCIE Enterprise Infrastructure certification: a qualifying exam covering core enterprise infrastructure technologies, and a hands-on lab exam covering enterprise networks through the entire network lifecycle, from designing and installing to functioning and optimizing.

**Exams:** ENCOR 350-401, CCIE Routing and Switching lab, CCIE Enterprise Infrastructure v1.0 lab

## Cisco Certified Internetwork Expert (CCIE) Enterprise Wireless Certification

Earning CCIE Enterprise Wireless certification validates your skills with complex enterprise wireless solutions. In order to achieve the CCIE Enterprise Wireless certification, you need to clear two exams: a qualifying exam that covers core enterprise technologies and a hands-on lab exam that includes enterprise wireless networks through the entire network lifecycle.

**Exams:** ENCOR 350-401, CCIE Wireless v3.1 lab, CCIE Enterprise Wireless v1.0 lab

## Cisco Certified Internetwork Expert (CCIE) Collaboration Certification

Getting the CCIE Collaboration certification demonstrates your skills with complex collaboration solutions. In order to earn the CCIE Collaboration certification, you need to pass two exams: a qualifying exam that includes core collaboration technologies and a hands-on lab exam that covers enterprise collaboration solutions through the entire network lifecycle.

**Exams:** CLCOR 350-801, CCIE Collaboration v2.0 lab, CCIE Collaboration v3.0 lab

## Cisco Certified Internetwork Expert (CCIE) Data Center Certification

Once you get the CCIE Data Center certification, you have the skills required to develop complex data center solutions. For getting the CCIE Data Center certification, you'll need to pass two exams: a hands-on lab exam covering data center networks through the entire network life cycle and a qualifying exam covering core data center technologies.

**Exams:** DCCOR 350-601, CCIE Data Center v2.0 lab, CCIE Data Center v3.0 lab

## Cisco Certified Internetwork Expert (CCIE) Security Certification

Gaining the CCIE Security certification establishes your skills with complex security solutions. You must pass two exams to earn CCIE Security certification: a qualifying exam comprising core security technologies and a hands-on lab exam covering security technologies and solutions through the entire network life cycle.

**Exams:** SCOR 350-701, CCIE Security v5.0 lab, CCIE Security v6.0 lab

## Cisco Certified Internetwork Expert (CCIE) Service Provider Certification

The CCIE Service Provider certification provides you with the skills required to develop complex service provider solutions. To earn CCIE Service Provider certification, you need to clear two exams: a qualifying exam covering core service provider technologies and a hands-on lab exam covering service provider technologies.

**Exams:** SPCOR 350-501, CCIE Service Provider v4.0 lab, CCIE Service Provider v5.0 lab

### Who Should Get Certified with Expert-Level Certifications?

- **Senior networking professionals who design, build, implement, maintain, and troubleshoot complex enterprise networking infrastructures**
- **Architects and engineers specializing in voice, video, and unified communications**
- **Professionals working with design, planning, and implementation for data center infrastructure**

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# CISCO SPECIALIST-LEVEL CERTIFICATIONS

The Technical Specialist-Level certifications validate the specialized expertise of technical professionals, including those with Cisco Career certifications at the associate, professional, or expert levels. By achieving specialist certifications, network professionals can boost their core networking knowledge in technologies such as security, video, or data center.

## Collaboration

### Cisco Unified Contact Center Enterprise Specialist

The Cisco Unified Contact Center Enterprise Specialist certification validates the skills of highly-skilled support engineers to design, deploy, configure, and troubleshoot for the highest performance and minimal downtime. This certification ensures that you have the expertise required to facilitate optimal solution performance.

**Exam:** 500-440 UCCED

## Data Center

### Cisco and NetApp FlexPod Design Specialist

The Cisco and NetApp FlexPod Design Specialist is for storage and data management professionals, including field engineers, systems engineers, channel partners, and professional services consultants focused on FlexPod solution enablement.

This FlexPod certification is the first global, multi-vendor technical certification that delivers detailed knowledge of the tools and standards to evaluate the performance characteristics and requirements of the FlexPod integrated solution.

**Exam:** 500-173 FPDESIGN

### Cisco and NetApp FlexPod Implementation and Administration Specialist

The Cisco and NetApp FlexPod Implementation and Administration Specialist is targeted for storage and data management professionals, including systems engineers, field engineers, professional services consultants, and channel partners, laying emphasis on FlexPod solution enablement.

This FlexPod certification is the first of its kind globally. It is a multi-vendor technical certification that provides knowledge of the tools and standards to gauge the performance characteristics along with the requirements of the FlexPod integrated solution.

**Exam:** 500-174 FPIMPADM

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# Cisco Meraki Solutions Specialist

Cisco Meraki Solutions Specialist certification is the first Cisco certification that recognizes your expertise in Meraki solutions. This certification includes the full suite of Meraki technologies: wireless LAN, wireless WAN, switching, security and SD-WAN, smart cameras, Meraki Insight, and mobile device management that provides a complete skill set across the entire Meraki portfolio. The Cisco Meraki Solutions Specialist certification demonstrates the ability to design, implement, monitor, and operate Meraki technologies. It prepares you to effectively manage and grow your Meraki deployments as the requirements of your network grow, and to make sure the solution is performing securely.

**Exam:** 500-220 ECMS

## Engineering Cisco Meraki Solutions Part 1 (ECMS1) v2.0

This introductory course provides you the technical skills and knowledge to operate Cisco Meraki Solutions as a unified management system of a whole network from a centralized dashboard.

In the Engineering Cisco Meraki Solutions Part 1 (ECMS1) v2.0, you will learn how to employ core configurations for a complete stack solution in the Meraki Dashboard. You will also learn to leverage critical Meraki Dashboard tools to deploy software and apps, implement device security policies, and perform remote, live troubleshooting on managed devices.

## Engineering Cisco Meraki Solutions Part 2 (ECMS2) v2.0

The Engineering Cisco Meraki Solutions Part 2 (ECMS2) v2.0 expands your knowledge of the Cisco Meraki technology suite. In part 2, you will learn how to plan for network integrations and deployments using the Cisco Meraki platform. It will be easier to operate Meraki networks and troubleshoot complex network incidents using the Meraki Dashboard and analytics.

You will understand how to design Meraki architectures for high-density, redundancy, and scalability by implementing inclusive Meraki product features to meet design purposes.

## Who Should Get Certified with Specialist-Level Certifications?

- **Professionals who design, install, and operate Cisco Meraki Solutions in environments ranging from small deployments to large enterprises**

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# CISCO RECERTIFICATION POLICY

## Renew Your Hard-Earned Cisco Certifications Easily with NetCom Learning

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TT (346) 3820369

Recertification is a critical indicator that your employees are updated with Cisco's current technology trends and have assessed their skills at the in-depth level of the original Cisco certification exam. Valid certifications can be renewed indefinitely, but without timely renewal, certifications expire or become inactive.

NetCom Learning, the Authorized Learning Partner of Cisco, offers the Cisco recertification program through which your employees can renew their hard-earned certifications by taking exams, completing continuing education activities, or a combination of both. Let us help you renew your Cisco certifications with a few simple steps.

Note: All of Cisco's certification levels come with some recertification requirement.

### Recertification Renewal Timelines:

| Certification | Duration |
|---|---|
| Entry-Level, Associate-Level, and Professional-Level | 3 years |
| All CCIE certifications | 2 years |



# CISCO TRAINING AT NETCOM LEARNING

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+1 (346) 698 0369

NetCom Learning's free self-assessment test gives a detailed overview of your teams' current skillsets and offers insights on which certification would best work for them. Since Cisco provides certifications for different levels, determining your teams' skill levels would be worth the time.

Take the free self-assessment now

As a Cisco Authorized Learning Partner, we also have convenient and self-paced digital training options, Cisco e-Learning with 24/7 accessibility, synchronized instructional text videos, hands-on labs, and much more. To learn more about Cisco Authorized Training at NetCom Learning, check out our:

- **Cisco Career Path**
- **Cisco Training Brochure**



# ABOUT NETCOM LEARNING

NetCom Learning helps build innovative learning organizations in the workplace by structuring a smarter workforce, supporting changes, and driving growth. Since 1998, we have been empowering organizations to reach optimal performance results and address challenges by managing all aspects of organizational learning. With a team of dedicated and knowledgeable learning professionals having profound subject-matter expertise, NetCom Learning has serviced over 80% of Fortune 1000 companies and helped over 14,000 organizations achieve their business goals.

With our world-class Cisco certified instructors, we have successfully supported many leading organizations with our exclusive Cisco training plans specially designed for workforce upskilling. Our case studies prove how we've helped our clients achieve ultimate performance and fulfil their business goals. At NetCom Learning, we believe solely in a company's ability to learn and to implement the same into actionable insights, which is the ultimate formula to gain a competitive edge. Are you ready to transform your business with our team upskilling plans?

REQUEST A CONSULTATION

## Why Choose NetCom Learning for Cisco Training?

NetCom Learning's comprehensive Cisco training products and learning tracks have been tailored to support all types of modern technology needs and build a resilient future for your organization.

- Support from authorized 1,000+ certified instructors
- Complete portfolio of Cisco products and certifications
- Customized learning solutions that focus on your business outcomes
- Self-paced digital training option with 24/7 accessibility
- Synchronized instructional text videos, hands-on labs, and more

## What Differentiates Us



### Cisco as an Authorized Learning Partner

We  have been acknowledged as a Cisco Authorized Learning Partner to help organizations collaborate easy and build a secure and reliable communication network.



### 1000+ Certified Instructors

Our Cisco training solutions are delivered by Authorized Cisco Certified Instructors, who deliver flexible, role-based, and tailored training solutions.



### Global Delivery Capabilities

We have delivered in over 600 locations worldwide, including on five different continents. Our multi-shore presence allows us to deliver training anywhere.



### 22+ Years of Business Experience

Since 1998 we've been providing customized training solutions that focus on your learning experience with clear business outcomes.



### Customized Training Methods

We provide blended learning solutions with customized training methods for a convenient learning experience that leads to a clear focus on business outcomes.



### Highest Quality Learning Experience

NetCom Learning has trained over 150,000+ learners from 14,000+ companies so far, and it has received the highest ratings from them—an average of 8.5 to 9.0.

Get the best return on your Cisco training investment.
At NetCom Learning, we believe in the values of lifelong learning. Be a Lifelong Learner!

**Contact us to get started:**
Email: cisco@netcomlearning.com
Phone: (888) 563-8266

Phone/WhatsApp: +86 185 7567 8796
+1 (346) 638-0369