Overview

Cloud as an Enabler of the Internet of Everything
In this Internet of Everything (IoE) era, new and more valuable connections are being made every day around the world. IoE has a potential multitrillion U.S. dollar market value for companies and industries in the next decade.

To take advantage of this opportunity, businesses are using public, private, or hybrid cloud delivery models to deliver personalized services, real-time access to information, and instant communications anytime, anywhere, on any device.

Cloud is a major enabler of the IoE by providing access to applications and services over the network from any device. It’s crucial that organizations acquire the following cloud-related capabilities:

- Automation and orchestration—Deploy new applications and services faster by automating policies and workflows across domains (network, compute, storage, and security).
- Management of virtual and physical infrastructure—Connect assets transparently and automatically to create the right capabilities at the right cost.
- Application-centric infrastructure—The infrastructure interacts with an application in real-time, and provides the information the application needs. The application allows the infrastructure to change dynamically, so it can meet the unique requirements of the application.

Demand for Trained and Experienced Cloud Professionals
Cloud adoption is supporting new roles and responsibilities. The demand for cloud engineers and cloud administrators who can design, implement, provision, automate and manage cloud deployments is high. They need to be able to work with private, public, and hybrid cloud models, and take advantage of Intercloud solutions.

Job-Ready Practical Skills
The Cisco Cloud Certification Program validates the skill set of individuals on industry-leading cloud solutions and best practices, as well as offering job role-based curricula for all levels of your IT staff.

Cisco Cloud Certification Programs are practical, relevant, and job-ready certification curricula, aligned closely with the specific tasks expected of today’s in-demand cloud professionals. They allow you to optimize your investment in your education and increase the value of your organization’s cloud network.

These programs include two certifications:

- Cisco Certified Network Associate (CCNA) Cloud
- Cisco Certified Network Professional (CCNP) Cloud

These certifications prepare you for work in small-medium businesses and enterprise cloud and data center environments, as well as government and channel partners. Job roles may...
include cloud engineer, cloud administrator, cloud designer, network engineer, cloud architect, and systems engineer.

**Cloud Best Practices**

The CCNA Cloud and CCNP Cloud Programs build and validate basic through advanced knowledge of the skills required to design, install, and maintain Cisco Cloud Solutions. The curricula emphasizes real-world best practices through labs and course materials covering:

- Private and Hybrid Cloud Design
- Cloud Security Design
- Cloud Infrastructure Implementation
- ACI and APIC Automation
- Private and Hybrid IaaS Provisioning
- Application Provisioning and Lifecycle Management
- Cloud Systems Management

**CCNA Cloud Certification**

CCNA Cloud is a job role-based career certification that trains and certifies cloud engineers, cloud administrators, and network engineers. Cloud engineers and administrators can enhance and demonstrate important skills, while network engineers can extend their careers into the cloud. This certification prepares you for work in an SMB cloud environment, and to support a senior cloud engineer in an enterprise environment.

Job duties include entry-level provisioning and support of Cisco Cloud solutions.

CCNA Cloud Certification can also provide career opportunities for employees of business and channel partner organizations transitioning from other technical areas, such as Data Center or Networking.

Topics covered in CCNA Cloud include:

- Cloud Characteristics and Models
- Cloud Deployments
- Basic Knowledge of Cloud Compute
- Basic Knowledge of Cloud Networking

- Providing End-User Support
- Cloud Infrastructure Administration and Reporting
- Chargeback and Billing Reports
- Cloud Provisioning
- Cloud Systems Management and Monitoring
- Cloud Remediation

CCNA Cloud Certification is an associate-level certification that’s valid for three years.

**Achieving CCNA Cloud Certification**

**Prerequisite Skills and Requirements**

There are no prerequisites for CCNA Cloud Certification. Completion of the CCNA Cloud Certification requires the exams and recommended training shown in Table 1.

<table>
<thead>
<tr>
<th>Required Exams</th>
<th>Recommended Training</th>
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<tbody>
<tr>
<td>210-041 CLDFND</td>
<td>Understanding Cisco Cloud Fundamentals (CLDFND)</td>
</tr>
<tr>
<td>210-055 CLDADM</td>
<td>Introducing Cisco Cloud Administration (CLDADM)</td>
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</tbody>
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Note: All candidates must pass both exams.

**Recertification for CCNA Cloud**

CCNA Cloud Certification is valid for three years. To recertify, pass one of the following before the certification expiration date:

- Pass any current Associate-Level Exam except for the ICND1 Exam
- Pass any current 642-XXX Professional-Level or any 300-XXX Professional-Level Exam
- Pass any current 642-XXX Cisco Specialist Exam (excluding Sales Specialist Exams or MeetingPlace Specialist Exams, Implementing Cisco TelePresence Installations (ITI) Exams, Cisco Leading Virtual Classroom Instruction Exams, or any 650 Online Exams)
Cisco Cloud Certifications

- Pass any current CCIE Written Exam
- Pass the current CCDE Written Exam or current CCDE Practical Exam
- Pass the Cisco Certified Architect (CCAr) Interview and the CCAr Board Review to extend lower certifications

CCNP Cloud Certification

CCNP Cloud is a job role-based career certification, intended to distinguish cloud engineers, administrators, designers, and architects, who design, implement, provision and troubleshoot Cisco Cloud and Intercloud Solutions. It provides you with the skills to help your IT organization meet changing business demands, technology transitions, and deliver important business outcomes.

This certification prepares you to work in a SMB cloud environment, as well as perform the duties of a senior cloud engineer in an enterprise environment.

CCNP Cloud Certification is a professional-level certification that is valid for three years.

Achieving CCNP Cloud Certification

Prerequisite Skills and Requirements
A valid Cisco CCNA Cloud or any Cisco CCIE Certification can act as a prerequisite. Completion of the CCNP Cloud Certification requires the exams and recommended training shown in Table 2.

<table>
<thead>
<tr>
<th>Required Exams</th>
<th>Recommended Training</th>
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<tbody>
<tr>
<td>300-460 CLDINF</td>
<td>Implementing and Troubleshooting the Cisco Infrastructure (CLDINF)</td>
</tr>
<tr>
<td>300-465 CLDDES</td>
<td>Designing the Cisco Cloud (CLDDES)</td>
</tr>
<tr>
<td>300-470 CLDAUT</td>
<td>Automating the Cisco Enterprise Cloud (CLDAUT)</td>
</tr>
<tr>
<td>300-475 CLDACI</td>
<td>Building the Cisco Cloud with Application Centric Infrastructure (CLDACI)</td>
</tr>
</tbody>
</table>

Note: All candidates must pass all exams.

Recertification for CCNP Cloud

The CCNP Cloud Certification is valid for three years. To recertify, pass one of the following before the certification expiration date:

- Any current 642-XXX Professional-Level or any 300-XXX Professional-Level Exam
- Any current CCIE Written Exam
- The current CCDE Written Exam or the current CCDE Practical Exam
- The Cisco Certified Architect (CCAr) Interview and the CCAr Board Review to extend lower certifications

Achieving or recertifying any of the certifications above automatically extends any active Associate and Professional-Level Certification, up to the point of expiration of the last certification achieved.

Learn More

For more information or to register for this program, visit [www.cisco.com/web/learning/training-index.html](http://www.cisco.com/web/learning/training-index.html).