

◆ Course Overview

Cloud Technology courses provide in-depth knowledge of **cloud computing models (IaaS, PaaS, SaaS)**, **architecture design**, **application deployment**, and **cloud security best practices**.

These programs are designed for professionals aiming to build scalable, reliable, and cost-efficient cloud solutions.

1 CompTIA Cloud Certification

Course Overview

CompTIA Cloud certification covers **vendor-neutral cloud fundamentals**, cloud infrastructure, deployment models, and cloud security concepts.

<https://www.icertglobal.com/cloud-technology/comptia>

Key Learning Objectives

- Understand cloud concepts and architecture
- Learn virtualization and networking basics
- Manage cloud resources and security
- Support cloud deployment models

Target Audience

- IT professionals
- System administrators
- Cloud support engineers

Prerequisites

- Basic IT and networking knowledge recommended

Tools & Technologies Covered

- Cloud models (Public, Private, Hybrid)
- Virtualization
- Cloud security fundamentals
- Networking basics

Exam Format

- Online exam

Number of Questions

- 60–90 questions

Time Duration

- 90 minutes

Passing Score

- Approximately 70%

Question Types

- MCQs
- Performance-based questions
- Scenario-based questions

Exam Tips & Strategies

- Focus on cloud fundamentals
 - Understand deployment models clearly
 - Practice performance-based questions
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2 AWS Certified Developer – Associate

Course Overview

This certification focuses on **developing, deploying, and debugging cloud applications on AWS**.

<https://www.icertglobal.com/cloud-technology/aws-certified-developer>

Key Learning Objectives

- Develop AWS-based applications
- Use AWS SDKs and APIs
- Implement security best practices
- Monitor and optimize applications

Target Audience

- Software developers
- Cloud application engineers

Prerequisites

- Basic programming knowledge
- AWS fundamentals recommended

Tools & Technologies Covered

- AWS Lambda
- Amazon S3
- Amazon DynamoDB
- AWS SDKs

Exam Format

- Online, proctored exam

Number of Questions

- 65 questions

Time Duration

- 130 minutes

Passing Score

- Scaled score (typically ~720/1000)

Question Types

- MCQs
- Multiple-response
- Scenario-based questions

Exam Tips & Strategies

- Practice AWS services hands-on
- Understand application deployment workflows

- Review security and IAM concepts
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3 AWS Certified DevOps Engineer

Course Overview

AWS DevOps Engineer certification validates expertise in **automating, monitoring, and managing AWS environments**.

<https://www.icertglobal.com/cloud-technology/devops>

Key Learning Objectives

- Implement CI/CD pipelines
- Automate infrastructure deployment
- Monitor system performance
- Implement security and compliance

Target Audience

- DevOps engineers
- Cloud operations professionals

Prerequisites

- AWS Associate-level certification recommended
- DevOps experience preferred

Tools & Technologies Covered

- AWS CodePipeline

- AWS CloudFormation
- AWS CloudWatch
- AWS CI/CD tools

Exam Format

- Online exam

Number of Questions

- 75 questions

Time Duration

- 180 minutes

Passing Score

- Scaled score (~750/1000)

Question Types

- Scenario-based questions
- Case-study questions
- MCQs

Exam Tips & Strategies

- Focus on automation workflows
- Understand monitoring and logging
- Practice CI/CD scenarios

4 AWS Solutions Architect

Course Overview

AWS Solutions Architect certification focuses on **designing scalable, fault-tolerant, and secure AWS architectures**.

<https://www.icertglobal.com/cloud-technology/solution-architect-aws>

Key Learning Objectives

- Design cloud architectures
- Optimize cost and performance
- Implement security best practices
- Ensure high availability

Target Audience

- Cloud architects
- Solution designers
- IT professionals

Prerequisites

- AWS fundamentals recommended

Tools & Technologies Covered

- EC2
- VPC
- RDS

- S3
- IAM

Exam Format

- Online, proctored exam

Number of Questions

- 65 questions

Time Duration

- 130 minutes

Passing Score

- Scaled score (~720/1000)

Question Types

- Scenario-based questions
- Case-study questions
- MCQs

Exam Tips & Strategies

- Focus on architecture design principles
 - Read scenario questions carefully
 - Eliminate incorrect options logically
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5 Google Cloud – Professional Cloud Architect (PCA)

Course Overview

This certification validates the ability to **design and manage Google Cloud solutions** aligned with business objectives.

<https://www.icertglobal.com/cloud-technology/google-cloud-certification>

Key Learning Objectives

- Design scalable GCP architectures
- Manage security and compliance
- Optimize cloud solutions
- Manage cloud infrastructure

Target Audience

- Cloud architects
- IT leaders
- GCP professionals

Prerequisites

- GCP experience recommended

Tools & Technologies Covered

- Google Compute Engine
- Google Kubernetes Engine
- Cloud Storage
- BigQuery

Exam Format

- Online, proctored exam

Number of Questions

- 50–60 questions

Time Duration

- 120 minutes

Passing Score

- Not publicly disclosed (scaled)

Question Types

- Scenario-based questions
- Case studies
- MCQs

Exam Tips & Strategies

- Focus on business-driven architecture
- Practice real-world case studies
- Understand GCP services thoroughly

6 Microsoft Azure Certification

Course Overview

Azure certification validates skills in **building, managing, and deploying applications on Microsoft Azure**.

<https://www.icertglobal.com/cloud-technology/azure-certification>

Key Learning Objectives

- Understand Azure services
- Deploy cloud solutions
- Implement security and compliance
- Monitor and optimize resources

Target Audience

- Cloud administrators
- Developers
- IT professionals

Prerequisites

- Basic cloud knowledge recommended

Tools & Technologies Covered

- Azure Virtual Machines
- Azure Storage
- Azure Active Directory
- Azure DevOps

Exam Format

- Online exam

Number of Questions

- 40–60 questions

Time Duration

- 90–120 minutes

Passing Score

- 700/1000

Question Types

- MCQs
- Case studies
- Scenario-based questions

Exam Tips & Strategies

- Understand Azure service categories
- Practice labs and hands-on exercises
- Review Azure security features

7 Google Cloud Platform (GCP) Certification

Course Overview

GCP certification covers **cloud infrastructure, application deployment, and data services** on Google Cloud Platform.

<https://www.icertglobal.com/cloud-technology/azure-certification>

Key Learning Objectives

- Deploy applications on GCP
- Manage cloud resources
- Implement security controls
- Monitor cloud performance

Target Audience

- Cloud engineers
- DevOps professionals

Prerequisites

- Basic cloud computing knowledge

Tools & Technologies Covered

- Compute Engine
- Cloud Functions
- Cloud IAM
- Kubernetes

Exam Format

- Online exam

Number of Questions

- 50–65 questions

Time Duration

- 120 minutes

Passing Score

- Scaled score

Question Types

- MCQs
- Scenario-based questions

Exam Tips & Strategies

- Focus on core GCP services
 - Understand Kubernetes concepts
 - Practice real-world cloud setups
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Internet of Things (IoT) Course

Course Overview

IoT certification focuses on **connecting devices, sensors, and systems to the cloud** for data-driven decision-making.

<https://www.icertglobal.com/cloud-technology/iot-course>

Key Learning Objectives

- Understand IoT architecture
- Connect devices to cloud platforms

- Manage data and security
- Implement real-world IoT solutions

Target Audience

- IoT developers
- Engineers
- Smart technology professionals

Prerequisites

- Basic networking knowledge

Tools & Technologies Covered

- IoT sensors
- Cloud IoT platforms
- MQTT
- Edge computing

Exam Format

- Online exam

Number of Questions

- 40–60 questions

Time Duration

- 60–90 minutes

Passing Score

- 60%–70%

Question Types

- MCQs
- Scenario-based questions

Exam Tips & Strategies

- Understand IoT data flow
 - Focus on security concepts
 - Study real-world IoT use cases
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9 SMAC Certification (Social, Mobile, Analytics, and Cloud)

Course Overview

SMAC certification focuses on **digital transformation using integrated technologies**.

<https://www.icertglobal.com/cloud-technology/smac-certification>

Key Learning Objectives

- Understand SMAC architecture
- Integrate social, mobile, analytics, and cloud
- Drive business innovation
- Implement digital strategies

Target Audience

- Digital transformation professionals
- Business and IT leaders

Prerequisites

- Basic IT and business knowledge

Tools & Technologies Covered

- Cloud platforms
- Mobile technologies
- Analytics tools
- Social media platforms

Exam Format

- Online exam

Number of Questions

- 40–50 questions

Time Duration

- 60 minutes

Passing Score

- 60%–70%

Question Types

- MCQs
- Scenario-based questions

Exam Tips & Strategies

- Understand SMAC integration concepts
- Focus on business use cases
- Revise digital transformation strategies

EXIN Cloud Computing Certification – Course Details

The **EXIN Cloud Computing Certification** validates a professional's understanding of **cloud computing concepts, architecture, deployment models, and service management**. It is a **vendor-neutral certification** aligned with global best practices, making it suitable for professionals across industries and cloud platforms.

<https://www.icertglobal.com/cloud-technology/exin-cloud-computing>

◆ Course Overview

EXIN Cloud Computing Certification provides a strong foundation in **cloud computing principles**, focusing on **how cloud services are designed, delivered, managed, and secured**.

The course covers **public, private, hybrid, and multi-cloud models**, along with governance, compliance, and risk management considerations.

This certification is ideal for professionals who want to understand **cloud strategy and operations**, not just platform-specific implementations.

Key Learning Objectives

- Understand cloud computing concepts and terminology

- Learn cloud service models (IaaS, PaaS, SaaS)
 - Identify cloud deployment models
 - Understand cloud architecture and virtualization
 - Learn cloud security, governance, and compliance
 - Understand service management in cloud environments
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Target Audience

- IT professionals
 - Cloud administrators
 - System and network engineers
 - IT service managers
 - Business managers involved in cloud decisions
 - Professionals transitioning to cloud roles
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Prerequisites

- No mandatory prerequisites
 - Basic understanding of IT infrastructure is recommended
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Tools & Technologies Covered

- Cloud computing models

- Virtualization technologies
 - Cloud service management frameworks
 - Cloud security and risk management concepts
 - Governance and compliance models
(*Vendor-neutral – not limited to AWS, Azure, or GCP*)
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Exam Format

- Online exam
 - Non-proctored or proctored (based on EXIN guidelines)
 - Objective-based assessment
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Number of Questions

- 40 multiple-choice questions
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Time Duration

- 60 minutes
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Passing Score

- 65%
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Question Types

- Multiple Choice Questions (MCQs)
 - Scenario-based questions
 - Concept-based situational questions
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Exam Tips & Strategies

- Focus on understanding cloud fundamentals
 - Learn differences between IaaS, PaaS, and SaaS clearly
 - Understand cloud deployment models and use cases
 - Review cloud security and governance concepts
 - Practice sample EXIN Cloud exam questions
 - Read scenario-based questions carefully
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Career Benefits

- Globally recognized, vendor-neutral certification
- Strong foundation for AWS, Azure, and GCP careers
- Improved understanding of cloud strategy and operations
- Suitable for both technical and managerial roles