

Plan your AWS Certification Journey

WHICH AWS CERTIFICATION SHOULD I START WITH?

NEW TO IT AND CLOUD

From a non-IT background, switching to a cloud career?

Start with: AWS Certified Cloud Practitioner that validates foundational knowledge of AWS Cloud and terminology.

Outcome: Positions you for entry-level cloud jobs and to earn additional AWS Certifications.

LINE-OF-BUSINESS ROLES

In sales/marketing or other business roles?

Start with: AWS Certified Cloud Practitioner that validates foundational knowledge of AWS Cloud and terminology.

Outcome: Better communication and collaboration on cloud with stakeholders and customers.

IT PROFESSIONALS

Do you have 1-3 years of IT or STEM background?

Start with: An Associate-level AWS Certification that aligns with your role or interests.

Outcome: Validation of AWS Cloud knowledge and skills, confidence, and credibility to build your cloud career.

AWS CERTIFICATION PATHS

Below are top cloud job roles, role responsibilities, and AWS Certification paths aligned with those roles. Select the role(s) you are interested in and get started or continue your AWS Certification journey to achieve your career goals.

Note: AWS Certified Cloud Practitioner is an optional step for candidates with an IT or STEM background.

Roles and responsibilities

ARCHITECTURE

SOLUTIONS ARCHITECT

Design, develop, and manage cloud infrastructure and assets, work with DevOps to migrate applications to the cloud.

APPLICATION ARCHITECT

Design significant aspects of application architecture including user interface, middleware, and infrastructure, and ensure enterprise-wide scalable, reliable, and manageable systems.

DATA ANALYTICS

CLOUD DATA ENGINEER

Automate collection and processing of structured/semistructured data and monitor data pipeline performance.

DEVELOPMENT

SOFTWARE DEVELOPMENT ENGINEER

Develop, construct, and maintain software across platforms and devices.

OPERATIONS

SYSTEMS ADMINISTRATOR

Install, upgrade, and maintain computer components and software, and integrate automation processes.

CLOUD ENGINEER

Implement and operate an organization's networked computing infrastructure and Implement security systems to maintain data safety.

DEVOPS

TEST ENGINEER

Embed testing and quality best practices for software development from design to release, throughout the product life cycle.

CLOUD DEVOPS ENGINEER

Design, deployment, and operations of large-scale global hybrid cloud computing environment, advocating for end-to-end automated CI/CD DevOps pipelines.

DEVSECOPS ENGINEER

Accelerate enterprise cloud adoption while enabling rapid and stable delivery of capabilities using CI/CD principles, methodologies, and technologies

SECURITY

CLOUD SECURITY ENGINEER

Design computer security architecture and develop detailed cyber security designs. Develop, execute, and track performance of security measures to protect information.

CLOUD SECURITY ARCHITECT

Design and implement enterprise cloud solutions applying governance to identify, communicate, and minimize business and technical risks.

NETWORKING

NETWORK ENGINEER

Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, etc.

AI/ML

PROMPT ENGINEER

Design, test, and refine text prompts to optimize the performance of AI language models.

MACHINE LEARNING ENGINEER

Research, build, and design artificial intelligence (AI) systems to automate predictive models, and design machine learning systems, models, and schemes.

MACHINE LEARNING OPS ENGINEER

Design, implement, and operationally support AI/ML model activity and deployment infrastructure.

DATA SCIENTIST

Train and fine tune AI/ML models to solve business problems and evaluate their performance.

AWS Certification paths

