

# AWS Technical Essentials

Learn the foundations of cloud computing, storage, and networking on AWS in this one-day course





In this introductory course, you will learn about AWS products, services, and common solutions. You will learn the fundamentals of identifying AWS services so that you can make informed decisions about IT solutions based on your business requirements.

## What you'll learn

- Terminology and concepts related to the AWS platform
- How to navigate the AWS Management Console
- Key concepts of AWS security measures and AWS Identity and Access Management (IAM)
- And much more

## Who should take this course

- Individuals responsible for articulating the technical benefits of AWS services to customers
- Individuals interested in learning how to get started with AWS
- SysOps administrators
- Solutions architects
- Developers



## What experience you'll need

- Working knowledge of distributed systems
- Familiarity with general networking concepts
- Working knowledge of multi-tier architectures
- Familiarity with cloud computing concepts

## Course overview

**Level:** Fundamental

**Type:** Classroom (virtual and in person)

**Length:** 1 day

# **AWS Certified Cloud Practitioner**

**Learn more about this certification and AWS resources that can help you prepare**

The **AWS Certified Cloud Practitioner** validates foundational, high-level understanding of AWS Cloud, services, and terminology. This is a good starting point on the AWS Certification journey for individuals with no prior IT or cloud experience switching to a cloud career or for line-of-business employees looking for foundational cloud literacy.

## Exam overview

<b>Category</b>	Foundational
<b>Exam duration</b>	90 minutes
<b>Exam format</b>	65 questions; either multiple choice or multiple response
<b>Cost</b>	100 USD. Visit <a href="#">Exam pricing</a> for additional cost information, including foreign exchange rates
<b>Test in-person or online</b>	Pearson VUE testing center or online proctored exam
<b>Languages offered</b>	English, Japanese, Korean, Simplified Chinese, Traditional Chinese, Bahasa (Indonesian), Spanish (Spain), Spanish (Latin America), French (France), German, Italian, and Portuguese (Brazil)

# AWS Certified DevOps Engineer - Professional

Learn more about this certification and AWS resources that can help you prepare



The AWS Certified DevOps Engineer - Professional showcases individuals' technical expertise in provisioning, operating, and managing distributed application systems on the AWS platform, giving them increased confidence and credibility with peers, stakeholders, and customers. Organizations with these qualified professionals can ensure speedy delivery of secure, compliant, systems that are highly available and scalable.

## Who should take this exam?

AWS Certified DevOps Engineer - Professional is intended for individuals with two or more years of experience provisioning, operating, and managing AWS environments. Before you take this exam, we recommend you have:

- Experience developing code in at least one high-level programming language; building highly automated infrastructures; and administering operating systems
- Understanding of modern development and operations processes and methodologies
- Ability to implement and manage continuous delivery systems and methodologies on AWS
- Ability to implement and automate security controls, governance processes, and compliance validation
- Ability to define and deploy monitoring, metrics, and logging systems on AWS

## What does it take to earn this certification?

To earn this certification, you'll need to take and pass the AWS Certified DevOps Engineer - Professional exam (DOP-C02). The exam features a combination of two question formats: multiple choice and multiple response. Additional information, such as the exam content outline and passing score, is in the exam guide.



## Exam overview

**Level:** Professional

**Length:** 180 minutes to complete the exam

**Cost:** 300 USD. Visit [Exam pricing](#) for additional cost information, including foreign exchange rates.

**Format:** 75 questions, either multiple choice or multiple response.

**Delivery method:** Pearson VUE testing center or online proctored exam.

# Getting Started with Amazon Simple Storage Service (Amazon S3)

Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance. This means customers of all sizes and industries can use it to store and protect any amount of data for a range of use cases, such as websites, mobile applications, backup and restore, archive, enterprise applications, IoT devices, and big data analytics. In this course, you acquire the knowledge you need to start using Amazon Simple Storage Service (Amazon S3). You learn about the key elements of Amazon S3 and explore how to configure them. You learn how to upload data to Amazon S3 and what additional AWS services you can use to transfer data to Amazon S3 at scale. You also learn the basic elements of security within Amazon S3. Finally, you review how Amazon S3 integrates with other services for specific use cases.

Course level: Intermediate

Duration: 1 hour

## **Course objectives**

In this course, you will learn to:

- Describe the main components of an Amazon S3 implementation
- Describe the tools and operations you can use to interact with Amazon S3
- Explain the requirements for and limitations of uploading data to Amazon S3
- Create an Amazon S3 bucket and upload an object to it
- Describe the main security and access control mechanisms available in Amazon S3
- Block public access to an S3 bucket
- Describe key Amazon S3 integrations with other services for specific use cases

## **Intended audience**

This course is intended for:

- Cloud architects
- Storage architects
- Developers
- Operations engineers

## **Prerequisites**

We recommend that attendees of this course have completed:

Completed Getting Started with AWS Storage