

## AWS Technical Essentials

**Duration: 1 Day**    **Course Code: GK4501**    **Delivery Method: Virtual Learning**

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### Overview:

AWS Technical Essentials introduces you to essential AWS services and common solutions. The course covers the fundamental AWS concepts related to compute, database, storage, networking, monitoring, and security. You will start working in AWS through hands-on course experiences. The course covers the concepts necessary to increase your understanding of AWS services, so that you can make informed decisions about solutions that meet business requirements. Throughout the course, you will gain information on how to build, compare, and apply highly available, fault tolerant, scalable, and cost effective cloud solutions.

- Course level: Fundamental

- Duration: 1 day

This course includes presentations, hands-on labs, demonstrations, videos, and knowledge checks.

### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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### Target Audience:

This course is intended for:

- 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
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### Objectives:

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| ■ In this course, you will learn to:   | ■ Kubernetes Service (Amazon EKS)  |
| ■ Describe terminology and concepts related to AWS services  | ■ Understand AWS database and storage offerings, including Amazon Relational Database Service (Amazon RDS), Amazon DynamoDB, and Amazon Simple Storage Service (Amazon S3) |
| ■ Navigate the AWS Management Console  | ■ Explore AWS networking services  |
| ■ Articulate key concepts of AWS security measures and AWS Identity and Access Management (IAM)  | ■ Access and configure Amazon CloudWatch monitoring features   |
| ■ Distinguish among several AWS compute services, including Amazon Elastic Compute Cloud (Amazon EC2), AWS Lambda, Amazon Elastic Container Service (Amazon ECS), and Amazon Elastic |  |
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### Prerequisites:

We recommend that attendees of this course have:

- IT experience
  - Basic knowledge of common data center architectures and components (servers, networking, databases, applications, and so on)
  - No prior cloud computing or AWS experience required
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## Content:

### Course Introduction

#### Module 1: Introduction to Amazon Web Services

- Introduction to AWS Cloud
- Security in the AWS Cloud
- Hosting the employee directory application in AWS
- Hands-On Lab: Introduction to AWS Identity and Access Management (IAM)

### Module 2: AWS Compute

- Compute as a service in AWS
- Introduction to Amazon Elastic Compute Cloud
- Amazon EC2 instance lifecycle
- AWS container services
- What is serverless?
- Introduction to AWS Lambda
- Choose the right compute service
- Hands-On Lab: Launch the Employee Directory Application on Amazon EC2

### Module 3: AWS Networking

- Networking in AWS
- Introduction to Amazon Virtual Private Cloud (Amazon VPC)
- Amazon VPC routing
- Amazon VPC security
- Hands-On Lab: Create a VPC and Relaunch the Corporate Directory Application in Amazon EC2

### Module 4: AWS Storage

- AWS storage types
- Amazon EC2 instance storage and Amazon Elastic Block Store (Amazon EBS)
- Object storage with Amazon S3
- Choose the right storage service
- Hands-On Lab: Create an Amazon S3 Bucket

### Module 5: Databases

- Explore databases in AWS
- Amazon Relational Database Service
- Purpose-built databases
- Introduction to Amazon DynamoDB
- Choose the right AWS database service
- Hands-On Lab: Implement and manage Amazon DynamoDB

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## Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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