AWS Technical Essentials

Category: Cloud Platforms | **Vendor:** Amazon Web Services

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

As organizations increasingly migrate to the cloud, professionals need the skills to navigate and manage this complex environment. The AWS Technical Essentials course provides a foundational understanding of essential AWS services and equips you to make informed decisions about IT solutions based on business requirements. In just one day, this instructor-led training introduces you to core AWS concepts, services, and terminology. You'll explore tools like Amazon EC2, Amazon S3, Amazon DynamoDB, and Amazon Virtual Private Cloud (VPC)—and gain hands-on experience with real-world use cases. This technical essentials course also provides a launching point for further AWS training, helping you choose among several AWS compute services that align with your goals.

About This Course

As organizations increasingly migrate to the cloud, professionals need the skills to navigate and manage this complex environment. The AWS Technical Essentials course provides a foundational understanding of essential AWS services and equips you to make informed decisions about IT solutions based on business requirements. In just one day, this instructor-led training introduces you to core AWS concepts, services, and terminology. You'll explore tools like Amazon EC2, Amazon S3, Amazon DynamoDB, and Amazon Virtual Private Cloud (VPC)—and gain hands-on experience with real-world use cases. This technical essentials course also provides a launching point for further AWS training, helping you choose among several AWS compute services that align with your goals.

Who Should Attend

- Individuals responsible for articulating the technical benefits of AWS services
- Individuals interested in learning how to get started with using AWS
- SysOps Administrators, Solution Architects and Developers interested in using AWS services

Prerequisites & Entry Requirements

General Prerequisites:

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

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Recognize terminology and concepts as they relate to the AWS platform and navigate the AWS Management Console. Understand the foundational services, including Amazon Elastic Compute Cloud (EC2), Amazon Virtual Private Cloud (VPC), Amazon Simple Storage Service (S3), and Amazon Elastic Block Store (EBS). Understand the security measures AWS provides and key concepts of AWS Identity and Access Management (IAM). Understand AWS database services, including Amazon DynamoDB and Amazon Relational Database Service (RDS). Understand AWS management tools, including Auto Scaling, Amazon CloudWatch, Elastic Load Balancing (ELB), and AWS Trusted Advisor.

Detailed Course Outline

1 – AWS Introduction and History

- Overview of Amazon Web Services and its evolution
- AWS Global Infrastructure
- Demo: AWS Management Console

2 – AWS Storage

- Overview of AWS storage services
- Introduction to Amazon EBS
- Create and manage Amazon S3 buckets and objects

3 – Compute, Network, and Storage Services

- Introduction to Amazon EC2, VPC, S3, and EBS
- Demo: Amazon S3
- Hands-on Lab: Build your own VPC and launch a web server

4 – AWS Security and IAM

- AWS Identity and Access Management (IAM) concepts
- Demo: Setting up IAM roles and policies

5 – Compute Services & Networking

- Overview of compute and networking options
- Describe Amazon VPC and EC2
- Launch an EC2 instance
- Use Amazon EBS with EC2

6 – Managed Services & Databases

- Introduction to Amazon DynamoDB and RDS
- Understand use cases and architecture
- Launch a database instance with RDS

7 – Databases (RDS, DynamoDB)

- SQL vs NoSQL in AWS
- Data storage considerations
- Hands-on Lab: Build a database server and connect to it

8 – AWS Elasticity and Management Tools

- Auto Scaling and Elastic Load Balancing (ELB)
- Monitoring with Amazon CloudWatch
- Introduction to AWS Trusted Advisor
- Hands-on Lab: Scale and load balance your architecture

9 – Deployment and Management

- Understand AWS CloudFormation
- Use CloudWatch for metrics and alarms
- Revisit IAM for user and service-level access

, 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

Module 6: Monitoring, Optimization, and Serverless

- Monitoring

- Optimization

- Alternate serverless employee directory application architecture

- Hands-On Lab: Configure High Availability for Your Application

Module 7: Course Summary, AWS Networking, Databases, AWS Storage, Introduction to Amazon Web Services, AWS Compute, Monitoring, and Serverless

Skills You Will Learn:

In this course, you will learn to:

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

Upcoming Schedule

Available training dates for AWS Technical Essentials:

Start Date	End Date	Location	Delivery	Price
11 Jan 2027	11 Jan 2027	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for AWS Technical Essentials?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day AWS Technical Essentials course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AWS Technical Essentials training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AWS Technical Essentials?

Yes, we provide corporate training, dedicated training, and closed classes for AWS Technical Essentials. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AWS Technical Essentials, AWS Essentials Training, AWSE, Amazon Web Services, vILT

Q: Why choose Nexus Human for AWS Technical Essentials?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AWS Technical Essentials training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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