BLACKBIRD FOR TRAINING

# AWS Cloud Practitioner Certification: Mastering the Basics

1 – 5 February 2027
London (UK)



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## Why This Course

Understanding cloud computing is essential in today's technology-driven world, and Amazon Web Services AWS leads the industry with its comprehensive cloud solutions. This intensive 1-week program equips participants with foundational knowledge of AWS services, security, architecture, and cost management. Through a mix of theory, hands-on exercises, and exam-focused guidance, attendees will gain the skills and confidence to work effectively with AWS and prepare for the AWS Certified Cloud Practitioner exam.

## What You'll Learn and Practice

By attending this course, you will be able to:

- Understand core AWS services, their use cases, and basic architecture.
- Grasp fundamental cloud concepts and AWS's global infrastructure.
- Apply AWS security best practices and comprehend the shared responsibility model.
- Navigate AWS pricing, billing, and cost management strategies.
- Prepare confidently for the AWS Certified Cloud Practitioner exam with practical tips and practice questions.

## The Program Flow

### Day 1: Introduction to Cloud Computing and AWS

- Cloud computing concepts and benefits
- Overview of AWS global infrastructure
- Introduction to core AWS services
- AWS Free Tier and account setup

### Day 2: AWS Core Services Deep Dive

- Compute services: EC2, Lambda
- Storage services: S3, EBS
- Database services: RDS, DynamoDB
- Networking services: VPC, Route 53



### Day 3: Security and Compliance in AWS

- AWS shared responsibility model
- Identity and Access Management IAM
- Overview of AWS security services
- Compliance management with AWS Artifact

### Day 4: AWS Architecture and Support

- AWS Well-Architected Framework
- Designing for fault tolerance and high availability
- AWS support plans and Trusted Advisor
- Best practices for architecture optimization

### Day 5: Pricing, Billing, and Exam Preparation

- AWS pricing models and Total Cost of Ownership TCO
- Billing, cost management, and reporting tools
- Exam strategies and practice questions
- Final review and Q&A session

## Individual Impact

Participants will leave this program with:

- Practical experience using core AWS services.
- Skills to explain AWS solutions and their business value.
- Knowledge to optimize AWS costs and resource utilization.
- Confidence to pursue the AWS Certified Cloud Practitioner exam and further AWS certifications.

## Organizational Impact

Organizations will benefit from:

- Teams capable of effectively leveraging AWS cloud services.
- Improved cost management and resource optimization in cloud deployments.
- Staff equipped to provide informed guidance on cloud adoption strategies.



## Training Methodology

- Interactive lectures and demonstrations
- Hands-on labs and exercises with AWS services
- Case studies and real-world scenarios
- Exam-focused practice questions and review sessions

## Beyond the Course

By the end of this 1-week program, participants will be ready to:

- Apply foundational AWS knowledge in real-world cloud projects.
- Advise on cloud adoption and cost optimization strategies.
- Confidently take the AWS Certified Cloud Practitioner exam.
- Build a pathway toward advanced AWS certifications.

