



CLOUD COMPUTING AND VIRTUALISATION

# AWS Cloud Practitioner Essentials - University Partner Program

LENGTH

**1 day**

PRICE (Excl. GST)

## AWS AT LUMIFY WORK

Lumify Work is an official AWS Training Partner for Australia, New Zealand, and the Philippines. Through our Authorised AWS Instructors, we can provide you with a learning path that's relevant to you and your organisation, so you can get more out of the cloud. We offer virtual and face-to-face classroom-based training to help you build your cloud skills and enable you to achieve industry-recognised AWS Certification.



## WHY STUDY THIS COURSE

Learn the essentials of the AWS Cloud including key services and terminology.

This one-day instructor-led course is for individuals who seek an overall understanding of the Amazon Web Services (AWS) Cloud, independent of specific technical roles. You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge.

This course also helps you prepare for the AWS Certified Cloud Practitioner exam.

## WHAT YOU'LL LEARN

This course is designed to teach participants how to:

- › Summarise the working definition of AWS
- › Differentiate between on-premises, hybrid-cloud, and all-in cloud
- › Describe the basic global infrastructure of the AWS Cloud
- › Explain the six benefits of the AWS Cloud
- › Describe and provide an example of the core AWS services, including compute, network, databases, and storage
- › Identify an appropriate solution using AWS Cloud services with various use cases
- › Describe the AWS Well-Architected Framework
- › Explain the shared responsibility model
- › Describe the core security services within the AWS Cloud

<https://www.lumifywork.com/en-nz/courses/aws-cloud-practitioner-essentials-university/>



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*My instructor was great being able to put scenarios into real world instances that related to my specific situation.*

*I was made to feel welcome from the moment I arrived and the ability to sit as a group outside the classroom to discuss our situations and our goals was extremely valuable.*

*I learnt a lot and felt it was important that my goals by attending this course were met.*

*Great job Lumify Work team.*



**AMANDA NICOL**  
**IT SUPPORT SERVICES**  
**MANAGER - HEALTH WORLD**  
**LIMITED**

- › Describe the basics of AWS Cloud migration
- › Articulate the financial benefits of the AWS Cloud for an organisation's cost management
- › Define the core billing, account management, and pricing models
- › Explain how to use pricing tools to make cost-effective choices for AWS services

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## COURSE SUBJECTS

### Module 1: Introduction to Amazon Web Services

- Summarise the benefits of AWS
- Describe differences between on-demand delivery and cloud deployments
- Summarise the pay-as-you-go pricing model

### Module 2: Compute in the Cloud

- Describe the benefits of Amazon Elastic Compute Cloud (Amazon EC2) at a basic level
- Identify the different Amazon EC2 instance types
- Differentiate between the various billing options for Amazon EC2
- Describe the benefits of Amazon EC2 Auto Scaling
- Summarise the benefits of Elastic Load Balancing
- Give an example of the uses for Elastic Load Balancing
- Summarise the differences between Amazon Simple Notification Service (Amazon SNS) and Amazon Simple Queue Services (Amazon SQS)
- Summarise additional AWS compute options

### Module 3: Global Infrastructure and Reliability

- Summarise the benefits of the AWS Global Infrastructure
- Describe the basic concept of Availability Zones
- Describe the benefits of Amazon CloudFront and Edge locations
- Compare different methods for provisioning AWS services

### Module 4: Networking

## Lumify Work Customised Training

*We can also deliver and customise this training course for larger groups saving your organisation time, money and resources.*

*For more information, please contact us on [0800 835 835](tel:0800835835).*

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- Describe the basic concepts of networking
- Describe the difference between public and private networking resources
- Explain a virtual private gateway using a real life scenario
- Explain a virtual private network (VPN) using a real life scenario
- Describe the benefit of AWS Direct Connect
- Describe the benefit of hybrid deployments
- Describe the layers of security used in an IT strategy
- Describe which services are used to interact with the AWS global network

## Module 5: Storage and Databases

- Summarise the basic concept of storage and databases
- Describe benefits of Amazon Elastic Block Store (Amazon EBS)
- Describe benefits of Amazon Simple Storage Service (Amazon S3)
- Describe the benefits of Amazon Elastic File System (Amazon EFS)
- Summarise various storage solutions
- Describe the benefits of Amazon Relational Database Service (Amazon RDS)
- Describe the benefits of Amazon DynamoDB
- Summarise various database services

## Module 6: Security

- Explain the benefits of the shared responsibility model
- Describe multi-factor authentication (MFA)

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- Differentiate between the AWS Identity and Access Management (IAM) security levels
- Describe security policies at a basic level
- Explain the benefits of AWS Organisations
- Summarise the benefits of compliance with AWS
- Explain primary AWS security services at a basic level

## Module 7: Monitoring and Analytics

- Summarise approaches to monitoring your AWS environment
- Describe the benefits of Amazon CloudWatch
- Describe the benefits of AWS CloudTrail
- Describe the benefits of AWS Trusted Advisor

## Module 8: Pricing and Support

- Understand AWS pricing and support models
- Describe the AWS Free Tier
- Describe key benefits of AWS Organisations and consolidated billing
- Explain the benefits of AWS Budgets
- Explain the benefits of AWS Cost Explorer
- Explain the primary benefits of the AWS Pricing Calculator
- Distinguish between the various AWS Support Plans
- Describe the benefits of AWS Marketplace

## Module 9: Migration and Innovation

- Understand migration and innovation in the AWS Cloud
- Summarise the AWS Cloud Adoption Framework (AWS CAF)

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- Summarise six key factors of a cloud migration strategy
- Describe the benefits of various AWS data migration solutions, such as AWS Snowcone, AWS Snowball, and AWS Snowmobile
- Summarise the broad scope of innovative solutions that AWS offers
- Summarise the five pillars of the AWS Well-Architected Framework

## Module 10: AWS Certified Cloud Practitioner Basics

- Determine resources for preparing for the AWS Certified Cloud Practitioner examination
- Describe benefits of becoming AWS Certified

*Please note: This is an emerging technology course. Course outline is subject to change as needed.*

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## WHO IS THE COURSE FOR?

This course is intended for:

- Sales
- Legal
- Marketing
- Business analysts
- Project managers
- AWS Academy students
- Other IT-related professionals

**We can also deliver and customise this training course for larger groups – saving your organisation time, money and resources. For more information, please contact us on [0800 835 835](tel:0800835835)**

## PREREQUISITES

It is recommended that attendees have:

- General IT business knowledge
- General IT technical knowledge

The supply of this course by Lumify Work is governed by the booking terms and conditions. Please read the terms and conditions carefully before enrolling in this course, as enrolment in the course is conditional on acceptance of these terms and conditions.

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