



**KUALA LUMPUR**  
Sunway Education Group

## **42 Kuala Lumpur Cloud Piscine Programme Structure for AWS Cloud Practitioner Certification**

The programme structure follows the official AWS Cloud Practitioner Essentials course.

You should follow it, and make sure that you:

1. Progress at the minimum pace specified in this document.
2. Extract the learning outcomes specified in this document.

This will help you to be more prepared for the exam at the end of Day 9.

Link to [AWS Cloud Practitioner Essentials](#)



Schedule	Learning Objectives	Learning Outcomes
		You will need to be able to:
Day 1 - 2  <b>Introduction to AWS Cloud</b>	<ul style="list-style-type: none"><li>• Overview of Cloud Computing and AWS</li><li>• Free Tier and Account Creation</li><li>• Virtual Machine, EC2</li><li>• Load balancing, ELB</li><li>• Message Queue, SNS</li><li>• Serverless, ECS, EKS, Fargate</li><li>• Deploy simple website in the EC2 instance – instructions to be provided</li><li>• Deploy an AWS lambda function</li></ul>	<ol style="list-style-type: none"><li>1. Summarise the benefits of AWS</li><li>2. Describe differences between on-demand delivery and cloud deployments</li><li>3. Summarise the pay-as-you-go pricing model</li><li>4. Describe the benefits of Amazon Elastic Compute Cloud (Amazon EC2) at a basic level</li><li>5. Identify the different Amazon EC2 instance types</li><li>6. Differentiate between the various billing options for Amazon EC2</li><li>7. Describe the benefits of Amazon EC2 Auto Scaling</li><li>8. Summarize the benefits of Elastic Load Balancing</li><li>9. Give an example of the uses for Elastic Load Balancing</li><li>10. Summarize the differences between Amazon Simple Notification Service (Amazon SNS) and</li><li>11. Amazon Simple Queue Services (Amazon SQS)</li><li>12. Summarize additional AWS compute options</li></ol>



<p>Day 3 - 4</p> <p><b>Global Infrastructure &amp; Networking</b></p>	<ul style="list-style-type: none"><li>• Global Infrastructure</li><li>• Availability Zones</li><li>• Regions</li><li>• Edge locations</li><li>• Outposts</li><li>• Provision Resources, Console, CLI, API, SDK</li><li>• CDN, CloudFront</li><li>• VPC</li><li>• Virtual Private Gateway</li><li>• Route53</li><li>• Private subnets</li><li>• Direct connect</li><li>• Security groups</li></ul>	<p><b>Global Infrastructure &amp; Reliability</b></p> <ol style="list-style-type: none"><li>1. Summarize the benefits of the AWS Global Infrastructure</li><li>2. Describe the basic concept of Availability Zones</li><li>3. Describe the benefits of Amazon CloudFront and Edge locations</li><li>4. Compare different methods for provisioning AWS services</li></ol> <p><b>Networking</b></p> <ol style="list-style-type: none"><li>1. Describe the basic concepts of networking</li><li>2. Describe the difference between public and private networking resources</li><li>3. Explain a virtual private gateway using a real-life scenario</li><li>4. Explain a virtual private network (VPN) using a real-life scenario</li><li>5. Describe the benefit of AWS Direct Connect</li><li>6. Describe the benefit of hybrid deployments</li><li>7. Describe the layers of security used in an IT strategy</li><li>8. Describe which services are used to interact with the AWS global network</li></ol>
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Schedule	Learning Objectives	Learning Outcomes
		You will need to be able to:
Day 5  <b>Storage &amp; Database Services</b>	<ul style="list-style-type: none"><li>• EBS</li><li>• S3</li><li>• EFS</li><li>• RDS</li><li>• DynamoDB</li><li>• Redshift</li><li>• Migration Service</li><li>• Database Service</li></ul>	<ol style="list-style-type: none"><li>1. Summarize the basic concept of storage and databases</li><li>2. Describe benefits of Amazon Elastic Block Store (Amazon EBS)</li><li>3. Describe benefits of Amazon Simple Storage Service (Amazon S3)</li><li>4. Describe the benefits of Amazon Elastic File System (Amazon EFS)</li><li>5. Summarize various storage solutions</li><li>6. Describe the benefits of Amazon Relational Database Service (Amazon RDS)</li><li>7. Describe the benefits of Amazon DynamoDB</li><li>8. Summarize various database services</li></ol>



Schedule	Learning Objectives	Learning Outcomes
		You will need to be able to:
Day 6  <b>Security, Monitoring &amp; Analysis</b>	<ul style="list-style-type: none"><li>• Shared Responsibility</li><li>• User Permissions, IAM, least privilege</li><li>• Organisations</li><li>• Compliance</li><li>• DDOS Attacks, AWS Shield</li><li>• Encryption, AWS KMS</li><li>• CloudWatch</li><li>• CloudTrail</li><li>• Trusted Advisor</li></ul>	<b>Security</b> <ol style="list-style-type: none"><li>1. Explain the benefits of the shared responsibility model</li><li>2. Describe multi-factor authentication (MFA)</li><li>3. Differentiate between the AWS Identity and Access Management (IAM) security levels</li><li>4. Describe security policies at a basic level</li><li>5. Explain the benefits of AWS Organizations</li><li>6. Summarize the benefits of compliance with AWS</li><li>7. Explain primary AWS security services at a basic level</li></ol> <b>Monitoring &amp; Analysis</b> <ol style="list-style-type: none"><li>1. Summarize approaches to monitoring your AWS environment</li><li>2. Describe the benefits of Amazon CloudWatch</li><li>3. Describe the benefits of AWS CloudTrail</li><li>4. Describe the benefits of AWS Trusted Advisor</li></ol>



Schedule	Learning Objectives	Learning Outcomes
		<b>You will need to be able to:</b>
Day 7  <b>Billing</b>	<ul style="list-style-type: none"><li>• Pricing concepts</li><li>• Free tier</li><li>• Consolidated billing</li><li>• Budgets</li><li>• Cost Explorer</li><li>• Support Plans</li><li>• AWS Marketplace</li></ul>	<ol style="list-style-type: none"><li>1. Understand AWS pricing and support models</li><li>2. Describe the AWS Free Tier</li><li>3. Describe key benefits of AWS Organizations and consolidated billing</li><li>4. Explain the benefits of AWS Budgets</li><li>5. Explain the benefits of AWS Cost Explorer</li><li>6. Explain the primary benefits of the AWS Pricing Calculator</li><li>7. Distinguish between the various AWS Support Plans</li><li>8. Describe the benefits of AWS Marketplace</li></ol>



Schedule	Learning Objectives	Learning Outcomes
		You will need to be able to:
Day 8  <b>Migration, innovation &amp; the cloud journey</b>	<ul style="list-style-type: none"><li>• AWS CAF</li><li>• Migration Strategies</li><li>• AWS Snow</li><li>• Innovation with AWS</li><li>• AWS Well-Architected Framework/Tool</li><li>• Benefits of AWS Cloud</li></ul>	<ol style="list-style-type: none"><li>1. Understand migration and innovation in the AWS Cloud</li><li>2. Summarize the AWS Cloud Adoption Framework (AWS CAF)</li><li>3. Summarize six key factors of a cloud migration strategy</li><li>4. Describe the benefits of various AWS data migration solutions, such as AWS Snowcone, AWS Snowball, and AWS Snowmobile</li><li>5. Summarize the broad scope of innovative solutions that AWS offers</li><li>6. Summarize the five pillars of the AWS Well-Architected Framework</li></ol>



Schedule	Learning Objectives	Learning Outcomes
		<b>You will need to be able to:</b>
Day 9-14  <b>Exam Practice</b>	<ul style="list-style-type: none"><li>• Get to know the exam</li><li>• Get to know the exam style</li><li>• Exam preparations</li></ul>	<p><b>Get to know the exam</b></p> <ol style="list-style-type: none"><li>1. Introduction to AWS Certified Cloud Practitioner (CLF-C02)</li><li>2. Overview: AWS Certified Cloud Practitioner (CLF-C02)</li><li>3. Exam guide: AWS Certified Cloud Practitioner (CLF-C02)</li></ol> <p><b>Get to know the exam-style questions</b></p> <ol style="list-style-type: none"><li>1. Introduction to exam-style questions</li><li>2. Overview and Instructions: Official Practice Question Set</li><li>3. AWS Certified Cloud Practitioner Official Practice Question Set (CLF-C02 - English)</li></ol> <p><b>Exam preparations</b></p> <ol style="list-style-type: none"><li>1. Cloud Concepts</li><li>2. Security and Compliance</li><li>3. Cloud Technology and Services</li><li>4. Billing, Pricing, and Support</li></ol>





Schedule	Learning Objectives	Learning Outcomes You will need to be able to:
Day 15  Exam Day	GOOD LUCK! The exam will take place at a training centre.	

### Overall Learning Outcomes:

Upon completion of this Cloud Piscine, cadets should be able to:

1. Understand core cloud computing concepts and AWS services.
2. Effectively navigates AWS infrastructure and networking components.
3. Deploy and manage basic applications on AWS.
4. Implement security measures and best practices in AWS.
5. Leverage storage and database services in AWS.
6. Monitor, analyze, and optimize AWS resources.
7. Grasp the fundamentals of AWS billing and support.
8. Understand migration strategies, innovation with AWS, and the AWS Well-Architected Framework.

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