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# DAY 1 CUSTOM TRAINING CONTENT

POWER LEISURE BOOKMAKERS LTD

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## Module 1

Introduction to Amazon Web Services

Introduction to AWS Identity and Access Management

Lab 1 Introduction to AWS Identity and Access Management

AWS Skillbuilder free content:

- **AWS Security Best Practices: Overview**  
<https://skillbuilder.aws/learn/JDENZUBGWD/aws-security-best-practices-overview/3PFP9F6KY7>
- **Deep Dive with Security: AWS Identity and Access Management (IAM)**  
<https://skillbuilder.aws/learn/525X5QYY33/deep-dive-with-security-aws-identity-and-access-management-iam/EJR97RFJZ3>
- **AWS Secrets Manager Getting Started**  
<https://skillbuilder.aws/learn/26F7XCFDUX/aws-secrets-manager-getting-started/U1CPGYWQTK>

AWS Skillbuilder Subscription content:

- **Lab - Secure and Rotate Secrets with AWS Secrets Manager**  
<https://skillbuilder.aws/learn/ZKSQDAV3X7/lab--secure-and-rotate-secrets-with-aws-secrets-manager/BMZUUU1HUT>

## Module 2

### AWS Compute

#### Learning Plans with AWS Skillbuilder free and Subscription content (Labs)

- Containers Learning Plan (includes Labs) <https://skillbuilder.aws/learning-plan/K6JRVTVPTR/containers-learning-plan-includes-labs/FV2YSFEPPR>

or

- Amazon EKS - Knowledge Badge Readiness Path <https://skillbuilder.aws/learning-plan/FRN6Z7KMRY/amazon-eks--knowledge-badge-readiness-path/393YRXJZWC>

and

#### AWS Skillbuilder free content

- Introduction to Amazon Elastic Container Registry <https://skillbuilder.aws/learn/V1F8KHFJJU/introduction-to-amazon-elastic-container-registry/AR4F1VZR87>
- Amazon Managed Streaming for Apache Kafka (MSK) Getting Started <https://skillbuilder.aws/learn/A6JY63X5CW/amazon-managed-streaming-for-apache-kafka-msk-getting-started/V9JZ6N96HR>

#### AWS Skillbuilder Subscription content:

- Lab - Create and Manage a Basic Kafka Cluster using Amazon Managed Streaming for Apache Kafka (MSK) <https://skillbuilder.aws/learn/U2HTDW51PG/lab--create-and-manage-a-basic-kafka-cluster-using-amazon-managed-streaming-for-apache-kafka-msk/XBQDVPNZXY>

## Module 3

### AWS Networking

#### Lab 2 Creating a VPC and Launching a Web Application in an Amazon EC2 Instance

##### AWS Skillbuilder free content:

- **Configuring and Deploying VPCs with Multiple Subnets**  
<https://skillbuilder.aws/learn/4HWA8PME5S/configuring-and-deploying-vpcs-with-multiple-subnets/BTRCDVX2RU>
- **AWS SimuLearn: Connecting VPCs**  
<https://skillbuilder.aws/learn/46NC4HQFUY/aws-simulearn-connecting-vpcs/J7QJJRTCTG>

##### AWS Skillbuilder Subscription content:

- **Lab - VPC Logging and Troubleshooting**  
<https://skillbuilder.aws/learn/Q1P2AS81XZ/lab--vpc-logging-and-troubleshooting/4QEJ7FMTKS>

## Module 4

### AWS Storage

##### AWS Skillbuilder free content:

- **Managing Amazon Simple Storage Service (Amazon S3)**  
<https://skillbuilder.aws/learn/DVCMTM28NB/managing-amazon-simple-storage-service-amazon-s3/PHNSSJ59QC>

##### AWS Skillbuilder Subscription content:

- **AWS SimuLearn: S3 Security** <https://skillbuilder.aws/learn/TBUYUX5E8H/aws-simulearn-s3-security/KS6SKXMH8M>

## Module 5

### Databases

#### Lab 3 Configure a Web Application to Use an Amazon S3 Bucket and DynamoDB Table

AWS Skillbuilder free content:

- Amazon Keyspaces Getting Started  
<https://skillbuilder.aws/learn/KHGZNGWXXV/amazon-keyspaces-getting-started/MXK17GET8G>

## Module 6

### Monitoring, Load Balancing, and Scaling

#### Lab 4 Configure High Availability for your Application

AWS Skillbuilder free content

- AWS Security Best Practices: Monitoring and Alerting  
<https://skillbuilder.aws/learn/S8ZA3HS5C9/aws-security-best-practices-monitoring-and-alerting/RUKNSXH4C5>
- Lab - Monitoring Applications and Infrastructure  
<https://skillbuilder.aws/learn/HD2ND64VQ4/lab--monitoring-applications-and-infrastructure/7Z7ZJHN85P>
- AWS SimuLearn: Monitor and Analyze Network Traffic  
<https://skillbuilder.aws/learn/PPYH752BZV/aws-simulearn-monitor-and-analyze-network-traffic/8MKA8APF6D>
- Elastic Load Balancing (ELB) Getting Started  
<https://skillbuilder.aws/learn/2Q7X7W6V7G/elastic-load-balancing-elb-getting-started/XHYHBUHUTA>
- Application Load Balancer Getting Started  
<https://skillbuilder.aws/learn/72MYSKW681/application-load-balancer-getting-started/1TVTD6FGSD>

## Custom Training Content

- Network Load Balancer (NLB) Getting Started  
<https://skillbuilder.aws/learn/DWYSUVJ5RQ/network-load-balancer-nlb-getting-started/4VBEW4SP7C>
- Gateway Load Balancer Getting Started  
<https://skillbuilder.aws/learn/Q6KPJV1182/gateway-load-balancer-getting-started/BUNKE32EH3>
- Elastic Load Balancing (ELB) – Troubleshooting  
<https://skillbuilder.aws/learn/5R5Q9TN3H4/elastic-load-balancing-elb--troubleshooting/GZTEH5S7D2>
- Introduction to AWS Auto Scaling  
<https://skillbuilder.aws/learn/U1SN4M74JS/introduction-to-aws-auto-scaling/KWG86X9CDR>

## AWS Skillbuilder Subscription content:

- Working with Elastic Load Balancing  
<https://skillbuilder.aws/learn/U3SPYA234U/working-with-elastic-load-balancing/BRPX7TASWB>
- Builder Labs: Networking and Content Delivery <https://skillbuilder.aws/learning-plan/5WSPNPS9HA/builder-labs-networking-and-content-delivery/D6BJYX8PTE>
- Maintaining High Availability with Auto Scaling (for Linux)  
<https://skillbuilder.aws/learn/9JD32YBM69/maintaining-high-availability-with-auto-scaling-for-linux/F659ZE7K47>
- Meeting Simulator: Gaming Platform Auto-Scaling with Load Balancer  
<https://skillbuilder.aws/learn/A22T5CG7JV/meeting-simulator-gaming-platform-autoscaling-with-load-balancer/CB5ZTAJJGZ>

## Cost Optimization

AWS Skillbuilder free content:

- Cost Optimization Solutions for FinOps  
Part 1 <https://skillbuilder.aws/learn/SQWFWSU8E4/cost-optimization-solutions-for-finops-part-1/E6C32Y8DE6>  
Part 2 <https://skillbuilder.aws/learn/W81TN3CFDG/cost-optimization-solutions-for-finops-part-2/DMAFBDHA1B>
- Optimizing your FinOps Strategy with AWS  
<https://skillbuilder.aws/learn/W1T3FH6JC1/optimizing-your-finops-strategy-with-aws/A922SQGV8A>
- AWS Billing and Cost Management  
<https://skillbuilder.aws/learn/J59SS92GUN/aws-billing-and-cost-management/25JXE6WYAY>
- AWS Cost Explorer Getting Started  
<https://skillbuilder.aws/learn/W3YRDANMY5/aws-cost-explorer-getting-started/FRRV1VKZ7Y>