



***CLOUD SOLUTION
ARCHITECT AND DEVOPS
CURRICULUM***

CLOUD SOLUTIONS ARCHITECT AND DEVOPS

Learning Outcome

1. Become a cloud professional with the ability to work on platform agnostic and cloud-based solutions for organizations.
2. Become proficient in AWS and Microsoft Azure with an option to learn Google Cloud.
3. Be able to work with containers, Microservices, DevOps, Cloud design patterns, and Openstack.
4. Get a better understanding of cloud Financial, Adoption & Migration patterns and learn to make trade-off decisions for your customers.

Who is it For

Everyone can participate in the cloud solutions architect and DevOps engineering program. No previous knowledge or experience with projects is required.

Learning Outcome For MICROSOFT AZURE

At the end of the training you will have demonstrated knowledge of the following topics:

1. **Cloud concepts:** Understanding cloud computing, advantages, and disadvantages of cloud services, different cloud deployment models, and the cloud service model.
2. **Azure services:** Understanding the core Azure services, Azure regions, and Azure resource manager.
3. **Azure security:** Understanding Azure security measures, Azure identity management, and Azure compliance.
4. **Azure architecture:** Understanding the Azure architecture, including Azure subscriptions, Azure resource manager templates, and Azure marketplace.
5. **Azure pricing and support:** Understanding Azure pricing and licensing, Azure support options, and Azure service level Agreements (SLAs)

Overall, you will have a foundation knowledge of Azure cloud services and how they can be used to meet business needs.

Module 1: Cloud Foundations

- 1. Introduction to Virtualization (VM's and Containers)**
- 2. Service Delivery and Deployment Models**
- 3. Cloud attributes and services taxonomy**
- 4. Introduction to infrastructure automation**
- 5. Key aspects of IaaS, PaaS and SaaS**

Module 2: Azure Infrastructure

- 1. Introduction to Azure & its services**
- 2. Azure virtual machines (Networking components, configuring high availability, scale sets, autoscaling, etc)**
- 3. Storage (Blob storage, Azure Files)**
- 4. Virtual Networking (Networking options, VNet peering, VNet to VNet setup)**
- 5. Active Directory (Basics on Azure AD & AD Connect)**
- 6. Azure Resource Manager (Building ARM Template, Powershell, CLI, Cloud shell usage)**

Module 3: Azure Security solutions

1. **Load balancing (Azure load balancer, Application gateway, WAF, Azure Traffic manager)**
2. **Network Security (Network security groups, Azure Bastion, Firewall)**
3. **Security & Governance solution**

Module 4: Azure Solutions for Apps

1. **Azure app services (Web apps, Azure functions, logic apps)**
2. **API Management**
3. **Container-based applications messaging & event-based services (Service bus, Event hub, Event grid)**
4. **Azure DevOps**
5. **Monitoring (Monitoring options, Metrics, Service health, Activity Log, Alerts, Configuring log Analytics and diagnostic logging, Configuring app insights).**

Module 5: Azure Data Platforms

1. **Cosmos DB (introduction,working with core SQL API, Global Distribution (replicas),throughout, consistency, partitioning,connect via Azure function/VM2)**
2. **SQL Database (Database options & Models)**
3. **Data services intro (Azure Data Factory,synapse,Databricks, stream Analytics)**

Module 6: Azure ML Services

1. **Azure ML Services**
2. **AI Services offered on Azure**
3. **Azure ML Studio**
4. **Azure ML & Loading data**
5. **Data Manipulation**
6. **Visualizing categorical data**
7. **Visualizing Numerical data,etc**

Learning Outcome For AMAZON WEB SERVICES

At the end of the training you will have demonstrated knowledge of the following topics:

1. Understanding the core AWS services, their use cases, and how to configure them
2. Designing and deploying scalable, highly available, and fault-tolerant systems on AWS
3. Selecting the appropriate AWS services based on the data, compute, database, or security requirements of a given application.
4. Understanding how to use AWS networking and security services to secure and scale applications
5. Understanding how to architect and deploy AWS-based applications using AWS Elastic Beanstalk, AWS cloud formation, and AWS OpsWorks
6. Understanding how to design cost-optimized solutions on AWS by selecting the appropriate AWS services & resources.
7. Understanding how to create and deploy scalable, secure, & reliable AWS architectures that meet business requirements.
8. Understanding how to use AWS services to implement DevOps practices and enable continuous delivery & deployment.

Module 1: Cloud Computing on AWS

- 1. Compute, Load Balancing, Autoscaling**
- 2. Storage, Replication and Life Cycle Mngement**
- 3. AWS Organization and identity**
- 4. Networking and Data Migration**

Module 2: Managed Services on AWS

- 1. Databases (RDS, DynamoDB)**
- 2. Web application Firewall**
- 3. SNS,SQS,Cloudwatch**
- 4. Athena,Quicksight, and Kinesis**
- 5. Serverless(Lambda)**
- 6. AWS Cognitive Services (Rekognition,Comprehend & polly)**

Module 3: Containers & AWS DevOps

- 1. Docker**
- 2. Elastic Container Service (ECS)**
- 3. Deployment pipeline (AWS Code commit, AWS Code Deploy, AWS Code pipeline)**
- 4. CloudFormation**
- 5. Terraform**

Module 4: Enterprise Cloud Solutions

- 1. Data Architecture & Serverless approach**
- 2. Setting up a Cloud based development environment**
- 3. Data streaming and data analytics on cloud**
- 4. Setting up Kinesis data stream**
- 5. Platform as a service - Elastic Beanstalk**
- 6. Step Functions**
- 7. Elasticsearch**

Module 5: Solutions Architect

- 1. Networking**
- 2. Managed Services Overview**
- 3. Security**

GOOGLE CLOUD PLATFORM (SELF-PACED MODULE)

- 1. Regions, Resources and Services Overview**
- 2. Google Compute Engine, Instance Groups, Load balancing and Autoscaling**
- 3. Storage and Networking**
- 4. Google Cloud and Cloud SDK**
- 5. Google App Engine**
- 6. Google Kubernetes Engine.**

THE PROGRAM OVERVIEW

- 100% online learning
- Hands-on practical sessions with videos, exercises and projects
- Lifetime access to materials
- 64 classes and 192 hours
- 120,000 USD Average salary of business analyst
- Add projects to your portfolio
- 100% job prospects visibility
- Industry relevant certificate - Microsoft Azure 900 and AWS Cloud practitioner
- 6 months intensive training
- Access to our global network of technical recruiters
- Exam coaching
- Internship opportunities immediately after the training

CAREER COACHING SERVICES - 12 MONTHS

- 1 How to have a successful and amazing career
In cloud computing***
- 2 Tech visa coaching and for Nigerians to relocate
and work in the UK,US,Canada and other
western countries***
- 3 Freelancing opportunities for Cloud Solutions
Architects***
- 4 CV revamp and linkedin optimisation***
- 5 Interview prep and coaching***
- 6 How to get remote jobs roles as a Cloud Solutions
Architect***
- 7 Projects and portfolio building***
- 8 How to gain work experience and internships as a
Cloud Solutions Architect***
- 9 Access to our Alumni network of students***
- 10 Access to our global network of technical recruiters***

THE PROGRAM

MODE: Online

PLATFORM: Zoom, whatsapp support group and google drive

TOTAL DURATION OF PROGRAM: 6 Months

DAYS OF CLASSES: Saturday and Sunday

TIME OF CLASSES: 6:00PM to 9:00PM

Classes are live and access to replay of live classes is available.

THE PROGRAM FEE

350,000 Naira (Promo price)
700,000 Naira (Normal price)

Installment Payment Package:
Bonus Training - Manual Software Testing.

Bank Account To Pay Into :
5410623379
THE HAGITAL CONSULTING
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THANK YOU FOR CHOOSING US



OFFICE ADDRESS

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filling station off Yaya Abatan Ogba, Lagos