Microsoft Azure Data Engineering DP-203 Cloud Computing Course

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ABOUT TECHNOGEEKS

Technogeeks is a leading learning platform providing online/Offline training. We cater to professionals and students across the globe in categories like Programming & Coding Languages, Data Science, Artificial Intelligence, Software Testing, Cloud Computing, Data Warehousing, Full Stack Development, Big Data & Hadoop, Business Intelligence, Databases(DBMS). Our students spread across countries like the US, India, UK, Canada, Australia, Singapore, etc. We provide 100% practical-oriented training along with placement assistance.

ABOUT COURSE

The Microsoft Azure certification training programme is designed to prepare you for the AZ-900 and AZ-203 azure data engineer certification examinations offered by Microsoft Azure. It will provide you a solid understanding of Azure Services models, as well as PaaS, IaaS, and SaaS capabilities. In this course, you will learn the important concepts of cloud computing and how they are executed in the Microsoft Azure cloud.You'll learn about the design and implementation of different cloud solution components including Security, Monitoring, and Migration.

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OUR CANDIDATES ARE WORKING WITH

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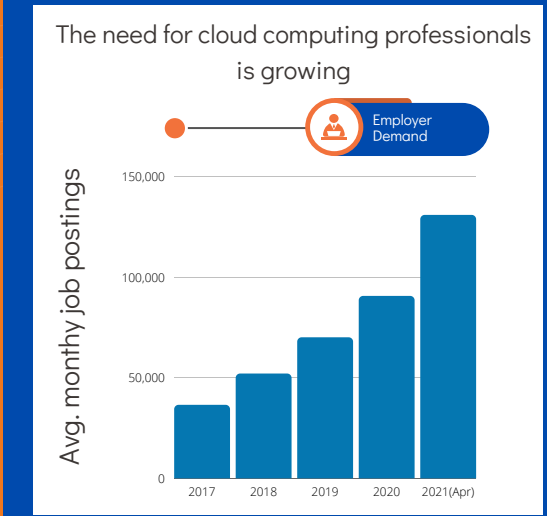
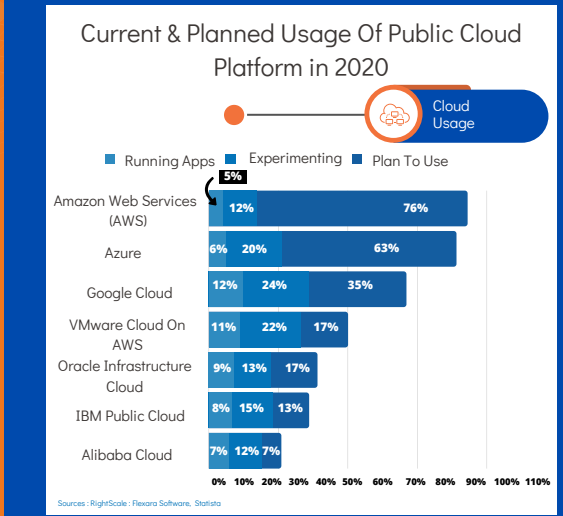
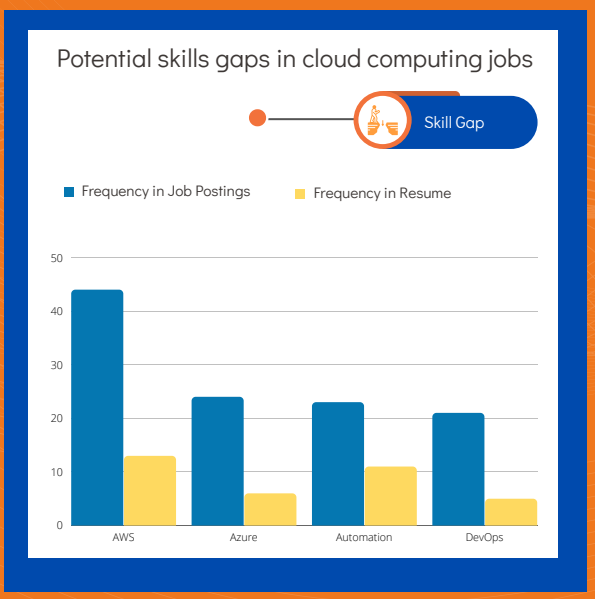
Why Learn Azure?

Microsoft Azure cloud platform is the second most significant cloud service provider. Thousands of small and large businesses worldwide use it to increase productivity. In 2020, 63% of businesses planned to use azure cloud platform services to run their applications.

So learning Azure cloud provides you with the skills you need to build and operate essential cloud services on one of the fastest-growing cloud platforms.







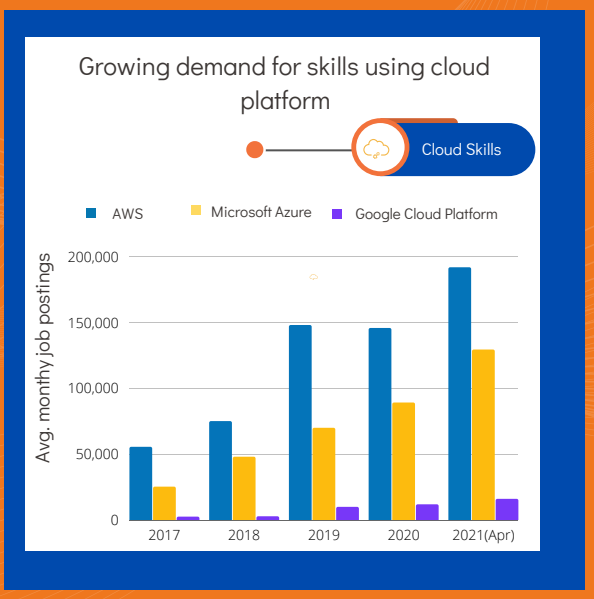


Table of Contents

Master Azure Cloud Computing from Scratch

Cloud Novice

To

Azure Cloud Professional

Module - 1, 2

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Module - 1

Introduction To Cloud & Microsoft Azure Cloud Computing

- Introduction to Cloud Computing
- Cloud Models
- Deployment Model: Public, Private, Hybrid
- Service Models: IaaS, PaaS, SaaS
- Cloud Vendors
- Introduction to Microsoft Azure
- Azure Services
- Azure pricing & analysis
- Creation of Azure Account

Module - 2

Implement Data Storage Solutions (Implement Non-Relational Data Stores)

- Implement a solution that Azure Blob Storage, Data Lake Storage Gen1 & Gen2.
- Implement data distribution and partitions
- Provide access to data to meet security requirements
- Implement for high availability, disaster recovery, and global distribution

Module - 3,4,5

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Module - 3

Implement Data Storage Solutions (Implement Relational Data Stores)

- Provide access to data to meet security requirements
- Implement for high availability, disaster recovery, and global distribution
- Implement data distribution and partitions for Azure Synapse Analytics
- Implement PolyBase to load data to Synapse Analytics

Module - 4

Implement Data Storage Solutions (Manage Data Security)

- Implement data masking
- Encrypt data at rest and in motion

Module - 5

Manage And Develop Data Processing (Develop Batch Processing Solutions)

- Develop batch processing solutions by using Data Factory and Azure Databricks
- Ingest data by using PolyBase
- Implement the integration runtime for Data Factory
- Create linked services and datasets
- Create pipelines and activities
- Create and schedule triggers
- Implement Azure Data bricks clusters, notebooks, jobs, and auto scaling
- Ingest data into Azure Databricks

Module - 6, 7,8

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Module - 6

Manage And Develop Data Processing (Develop Streaming Solutions)

- Configure input and output
- Select the appropriate windowing functions
- Implement event processing by using Stream Analytics

Module - 7

Monitor And Optimize Data Solutions (Monitor Data Storage)

- Implement Blob storage monitoring
- Implement Data Lake Storage monitoring
- Implement Azure Synapse Analytics monitoring
- Configure Azure Monitor alerts
- Implement auditing by using Azure Log Analytics

Module - 8

Monitor And Optimize Data Solutions (Monitor Data Processing)

- Monitor Data Factory pipelines
- Monitor Azure Data Factory
- Monitor Azure Synapse Analytics and Optimize

Module - 9 , 10

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Module - 9

Synapse Analytics

- Data Integration
- Connection with external sources
- Data Integration
- Spark Analytics

Module - 10

Project Best Practices

- Data governance and rights man
- Account & access management
- Network Controls
- Dedicated Work Stations
- Restrict the Admin & User Address
- Monitoring System Security

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