



ITEM #1: WHAT IS CLOUD?

Cloud is a Virtual Environment used to host any Data Or Apps [Software].
Easy, Secured and Faster access using Web URLs and Tools (EX: SSMS TOOL).

ITEM #2: WHAT IS AWS?

AWS is a Cloud Platform used to Host, Secure, Manage and Access Data.

Advantages of AWS Cloud:

- ✓ Highly Secured
- ✓ Easy Integration with other Data Platforms
- ✓ Suites Open Source Platforms

Master **AWS Data Engineering Today**

Applicable Job Roles

- » AWS Data Engineer
- » Cloud Data Engineer
- » AWS ETL Developer
- » Big Data Engineer

DATA WAREHOUSE

ETL

SQL

S3

Redshift

Athena

7 Wk; INR 25K

ITEM #3: WHAT ARE THE JOB ROLES FOR DATA ENGINEER (Useful for your resume)?

1. Involve in Data Extraction (E)
2. Involve in Data Transformations (T)
3. Perform Data Loads (L)
4. Manage Big Data Loads
5. Involve Data Warehouse Design (DWH)
6. Implement DWH Structures with
7. Implement Security Strategies
8. Implement Pipelines
9. Implement ETL Notebooks
10. Implement ETL & DWH Optimizations
11. Implement End to End Enterprise Data Flow
12. More.. !

What is Data Engineering?



Data Engineering is a technology with rich set of tools, environments and platforms to design, build, manage and optimizes Data Warehouses in Cloud.

ITEM #4: HOW TO BECOME A AWS DATA ENGINEER?

To make you a TRUE and CONFIDENT AWS Data Engineer, we have a detailed structured course curriculum with end to end integrations and in-depth concepts. Our trainers are Subject Matter Experts (SMEs) with genuine experience !

AWS Data Engineer Training:

- Module 1: LINUX Concepts
- Module 2: AWS Concepts
- Module 3: Data Streaming
- Module 4: RDS
- Module 5: RedShift
- Module 6: Data Streaming
- Module 6: Lambda
- Module 6: Glue
- Module 6: CloudFormation
- Module 6: EMR
- Module 6: Spark
- Module 6: Athena

 **Duration : 2 Months**

 **Trainer: Mr. Badrikanth**
16+ Years of Experience
Subject Matter Expert (AWS Cloud)
Current Job: Project Consultant in an MNC

AWS Data Engineer

- ✓ Amazon Glue
- ✓ Amazon Redshift
- ✓ AWS Kinesis
- ✓ EMR & PySpark
- ✓ AWS Lambda
- ✓ AWS Step Functions
- ✓ AWS S3 Storage
- ✓ IAM, KMS in AWS

- ✓ Cloud Datawarehouse
- ✓ ETL/ELT Pipelines
- ✓ Data Lake & Linux
- ✓ Big Data Analytics
- ✓ Big Data Processing
- ✓ CI/CD Pipelines
- ✓ Automation, Security
- ✓ Real-time Project



- ✓ 100% Hands-On
- ✓ Realtime Project
- ✓ Certification Guidance
- ✓ Concept wise FAQ's
- ✓ Project FAQ's
- ✓ Resume Guidance

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Module 1 : Linux Concepts

Ch 1: Linux Introduction ✓ Client-Server Architecture ✓ GUI vs CLI ✓ Navigating through CLI ✓ Basic commands ✓ File System Hierarchy ✓ Help commands	Ch 2: File Hierarchy System ✓ Relative Path Concepts ✓ Absolute Path Concepts ✓ Common File Types ✓ Regular files ✓ Directories, Links ✓ Realtime Usage	Ch 3: File Management ✓ Create Files, Directories ✓ touch and mkdir ✓ Directory Operations ✓ Commands & Usage ✓ File Editing Options ✓ Text Editors (vim)
Ch 4: Basic User Management ✓ User Login Activity ✓ Viewing login records ✓ Local User Authentication ✓ /etc/passwd, /etc/shadow ✓ useradd, usermod, userdel ✓ Custom config & Profiles	Ch 5: Adv. File Management ✓ File and Directory Access ✓ Permissions Management ✓ chmod Realtime Usage ✓ Symbolic Mode ✓ Numeric Mode ✓ Configuring & using sudo	Ch 6: Variables ✓ Environment variables ✓ Shell variables ✓ Variable Substitution ✓ Command Substitution ✓ Using backticks & \$ ✓ Using LINUX in AWS

Module 2 : AWS Concepts & Cloud Computing

Ch 7: Cloud Computing ✓ Cloud Architecture & Use ✓ Cloud Computing Concepts ✓ Cloud Impl. Models ✓ Public, Private, and Hybrid ✓ AWS Cloud : Properties ✓ AWS Cloud : Advantages ✓ AWS Cloud : Usage Scope	Ch 8: AWS Concepts ✓ AWS Free Tier Account ✓ Account setup ✓ AWS Initial Configuration ✓ AWS Global Infrastructure ✓ Overview of Regions ✓ Availability Zones, Edges ✓ AWS Console Options	Ch 9: Compute ✓ Creating EC2 Instances ✓ Instance types, AMIs ✓ Instance Launch Options ✓ Security Groups, Ports ✓ SSH Overview, Key Pairs ✓ Key pair creation and SSH ✓ Private vs Public vs Elastic IP
Ch 10: Security & IAM ✓ IAM Introduction ✓ Core IAM Architecture ✓ Managing Users & Groups ✓ Creating and managing IAM ✓ Group Policies, Inline Policies ✓ Difference and use cases ✓ AWS Cloud Shell, IAM	Ch 11: EC2 Instance Storage ✓ EBS : Elastic Block Store ✓ Managing EBS Volumes ✓ Volume Usage Options ✓ EBS Snapshots & Usage ✓ Cross-AZ, Replication ✓ EBS Encryption ✓ Amazon Machine Images	Ch 12: S3 Storage Service ✓ S3 Buckets and Objects ✓ S3 Usage Management ✓ S3 Versioning, Policies ✓ Access Control ✓ Static Website Hosting ✓ S3 Storage Classes ✓ Automation, EFS Concepts
Ch 13: Cloud Network & VPC ✓ Introduction to Networking ✓ CIDR : Notation, Usage ✓ Public, Private Subnets ✓ Subnet Creation Options ✓ Public and Private VPCs ✓ VPC setup & Configuration	Ch 14: Cost Management ✓ AWS Budgets Overview ✓ Budget Management ✓ Cost Management Tools ✓ AWS Cost Explorer ✓ Cost / Pricing Reports ✓ Real-time Strategies	Ch 15: CloudWatch ✓ Metrics ✓ Dashboards ✓ Alarms ✓ Logs ✓ Events (basics)

Module 3 : Data Streaming, Database and Redshift

Ch 16: AWS Kinesis - 1 ✓ Amazon Kinesis ✓ Realtime Data Streaming ✓ Amazon Kinesis Data streams ✓ Creating Data Stream ✓ Enhanced Fan-Out ✓ Lambda function & Kinesis	Ch 17: AWS Kinesis - 2 ✓ Kinesis Firehose ✓ Data Firehose Stream ✓ Firehose – Transformations ✓ Firehose with Lambda ✓ ETL Implementations ✓ Data Streaming	Ch 18: RDS DB Database - 1 ✓ Database on EC2 instance ✓ Introduction to RDS ✓ RDS Networking and Subnet ✓ Create a VPC for RDS ✓ RDS Subnet Group ✓ Create an RDS Instance ✓ View an RDS Instance
Ch 19: RDS DB Database - 2 ✓ RDS Usage in OLTP ✓ RDS Backups and Snapshots ✓ Restore RDS from Backup ✓ Share RDS Snapshots ✓ RDS Encryption in Transit ✓ Delete an RDS Instance	Ch 20: RDS DB Database - 3 ✓ Authenticating to RDS ✓ Credentials, IAM ✓ Secrets Manager ✓ RDS Parameter Groups ✓ RDS Proxy, Multi-AZ RDS ✓ RDS Read Replicas	Ch 21: Amazon Redshift - 1 ✓ Redshift overview ✓ Redshift Serverless ✓ Provisioned Cluster ✓ Architecture Overview ✓ Clusters & Nodes ✓ Create Redshift Cluster ✓ Access Redshift Cluster ✓ Query Editor, Node Types
Ch 22: Amazon Redshift - 2 ✓ Storage, Resizing Methods ✓ Snapshots & Sharing ✓ Resizing Snapshots ✓ Redshift – VACUUM ✓ Load Data From S3 ✓ Unload Data ✓ Federated Queries ✓ Redshift Spectrum	Ch 23: Amazon Redshift - 3 ✓ AWS RedShift Security ✓ AWS RedShift Connections ✓ Authentication Types ✓ Optimization Options ✓ Data Load Operations ✓ Data Load Requirements ✓ Transformations with ELT	Ch 24: Amazon Redshift - 4 ✓ Using ETL Tools ✓ Need for AWS Lambda ✓ Need for AWS Glue ✓ Need for AWS Athena ✓ AWS Redshift Tuning ✓ AWS RedShift Connections

Module 4 : Lambda, Glue, CloudFormation, EMR, Spark and Athena

Ch 25: Lambda Introduction ✓ What is serverless ✓ AWS Lambda Introduction ✓ AWS Lambda for Python ✓ AWS Lambda Python code ✓ Packages and Deployments ✓ AWS Lambda configuration ✓ AWS Lambda Settings	Ch 26: Lambda Implementation ✓ AWS Lambda Layers ✓ Python with Lambda ✓ Java with Lambda ✓ AWS Lambda - S3 ✓ Event Notifications in AWS ✓ API Gateway, Aliases ✓ AWS Lambda - Snapstart	Ch 27: AWS Athena ✓ Athena overview ✓ Query data using Athena ✓ Federated Queries ✓ Performance and cost ✓ Workgroups ✓ Workgroups (Hands-on) ✓ Querying with Athena
Ch 28: AWS Glue - 1 ✓ AWS Glue overview ✓ Need for AWS Glue ✓ AWS Glue Usage Scope ✓ Setting up Crawlers ✓ AWS Glue Costs ✓ AWS Budgets	Ch 29: AWS Glue - 2 ✓ Stateful vs Stateless ✓ Stateless Data Ingesting ✓ Glue Transformations (ETL) ✓ Glue Data Quality ✓ Glue workflows ✓ Scheduling Crawlers & ETL	Ch 30: AWS Glue - 3 ✓ Default Classifiers ✓ Custom Classifiers ✓ Glue Triggers ✓ Run the pipelines using CloudFormation

Ch 31: EMR & Spark

- ✓ EMR concepts
- ✓ EMR in AWS Big Data
- ✓ Spark Concepts
- ✓ PySpark & ETL
- ✓ PySpark & DWH
- ✓ End to End Integrations

End to End Real-time Project

All sessions are practical, step by step. Kindly ensure on-time practice for best results.

👤 Choose #SQLSchool for your #trainings #projects

- ✓ 19+ Years of Continued Trust
- ✓ ISO Certified, MSME Regd.
- ✓ 120+ MNC Clients
- ✓ Practical, Step by Step Trainings

👤 We assure you:

- ✓ Step-by-step Classes
- ✓ 100% Interactive
- ✓ Real-Time Projects
- ✓ Resume, Mock Interviews, more .. !



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Courses Offered

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6. Postgres
7. Java
8. Data Science
9. Python
10. Oracle
11. Snowflake
12. AI, CoPilot
13. AI-ML
14. Gen AI, more..

Trending Jobs

- ➔ Data Analyst
- ➔ Business Analyst
- ➔ Data Engineer
- ➔ SQL Developer
- ➔ SQL DBA
- ➔ ETL Admin
- ➔ Data Scientist



20 Years of Trust



Call Us Now!



Our Clients

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- ✓ Enrol for a LIVE Demo. Interact with our trainer before you proceed !
- ✓ Thank you for your time, wish you all the very best !!