

Syllabus : DAS-C01

AWS Certified Data Analytics - Speciality

Topics Covered as Follows

Collection

Kinesis

- Data Streams Overview
- Producers
- Consumers
- Enhanced Fan Out
- Scaling
- Security
- Kinesis data Firehose
- Cloud Watch Subscription Filters with Kinesis

SQS

- SQS Overview
- Kinesis Data Stream vs SQS

IOT

- IOT Overview
- IoT Components

DMS

- Database Migration Service

Direct Connect

Snow Family

MSK

- Managed Streaming for Apache Kafka
- Connect
- Serverless
- Kinesis vs MSK

Storage

S3

- S3 Overview
- S3 Bucket Policy
- S3 Versioning
- S3 Replication
- Storage Classes
- Lifecycle Rules
- S3 Event Notifications
- S3 Performance
- S3 Select & Glacier Select
- S3 Encryption
- S3 Access Points
- S3 Object Lambda

Dynamodb

- Dynamodb Overview
- Dynamodb in Big data
- Dynamodb RCU and WCU
- Basic API's
- Indexes

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- PartiQL
 - DAX
 - Streams
 - TTL
 - Patterns with S3
 - Security

ElasticCache

Processing

Lambda

- What is Lambda
- Integrations

Glue

- Glue and Partitioning Data Lake
- Glue, Hive, and ETL
- Modifying the Glue Catalog from ETL Scripts
- Glue Costs
- Glue Studio
- Glue DataBrew
- Glue Elastic View
- Glue Lake Formation

EMR

- EMR Architecture and Usage
- EMR, AWS Integrations and Storage
- EMR Serverless

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- - Apache Spark
 - Spark Integration with Kinesis and RedShift
 - Hive on EMR
 - Pig on EMR
 - Hbase on EMR
 - Presto on EMR
 - AWS Data Pipeline
 - Step Functions

Analysis

- Kinesis Analysis
- Opensearch
- Athena
- RedShift Introduction and Architecture
- RedShift Spectrum and Performance Tuning
- RedShift Durability and Scaling
- RedShift Distributed Styles
- Sort Keys
- Dataflow and COPY Command
- Redshift Integration
- Redshift Serverless

Analysis

- Quicksight
- Dashboard and ML Insights
- Quicksight Q
- Overview of HighCharts , D3