

AWS Certified Cloud Practitioner  
Training Bootcamp

# AWS Services Overview

## Analytics

# AWS Analytics Overview

- Amazon Athena
- Amazon EMR
- Amazon CloudSearch
- Amazon Elasticsearch Service
- Amazon Kinesis
- Amazon Redshift
- Amazon QuickSight
- AWS Data Pipeline
- AWS Glue



## Analytics

Athena

EMR

CloudSearch

Elasticsearch Service

Kinesis

QuickSight [↗](#)

Data Pipeline

AWS Glue

MSK

# AWS Miscellaneous Analytics Services



- Amazon Athena is an interactive query service that makes it easy to analyze data in Amazon S3 using standard SQL; you point to your data in S3, define the schema and start querying using standard SQL
- Amazon Elastic Map Reduce (EMR) provides a managed Hadoop framework (Big Data framework) that makes it easy, fast, and cost-effective to process vast amounts of data across dynamically scalable EC2 instances

# AWS Miscellaneous Analytics Services

- Amazon CloudSearch is a managed service in the AWS Cloud that makes it simple and cost-effective to set up, manage, and scale a search solution for your website or application
- Amazon Elasticsearch Service makes it easy to deploy, operate, and scale Elasticsearch for log analytics, full text search, app monitoring and more



CloudSearch



ElasticSearch

# AWS Miscellaneous Analytics Services



Kinesis

- Amazon Kinesis is a platform for streaming data on AWS, offering powerful services to make it easy to load and analyze streaming data; with Kinesis, you simply collect, process and store data continuously



Kinesis Firehose

- Amazon Kinesis Firehose is the easiest way to load streaming data into AWS; you can capture, transform and load streaming data into Kinesis Analytics, S3, Redshift and Elasticsearch Service, enabling near real-time analytics with existing business

# AWS Miscellaneous Analytics Services

- Amazon Kinesis Analytics is the easiest way to process streaming data in real time with standard SQL without having to learn new programming languages or processing frameworks
- Amazon Kinesis Streams can continuously capture and store terabytes of data per hour from hundreds of thousands of sources



**Kinesis  
Analytics**



**Kinesis  
Streams**

# AWS Miscellaneous Analytics Services



Redshift

- Amazon Redshift is a fast, fully managed, petabyte-scale data warehouse that makes it simple and cost effective to analyze all your data using your existing business intelligence tools (data warehousing service)
- Amazon QuickSight is a fast, cloud-powered business analytics service that makes it easy to Build visualizations, perform ad-hoc analysis and quickly get business insights from your data (create stunning visualizations and rich dashboards)



QuickSight

# AWS Miscellaneous Analytics Services

- AWS Data Pipeline is a web service that helps you reliably process and move data between different AWS compute and storage services, as well as on-premises data sources, at specified intervals
- AWS Glue is a fully managed ETL service that makes it easy to move data between your data stores





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Thank you