

Introduction

Many past years, we have seen a growth in the number of data engineers and the emergence of the data era. This has led many people to try to upskill and reskill their abilities in order to move their jobs into the market need. However, we still lack public courses and materials to help people grow their skills.

Therefore, we can share knowledge about data engineering and help people adopt cloud computing together. As cloud consultants, VulturePrime have the sufficient knowledge and incentive to provide public courses and maintain them for as long as possible.

Data engineer Level

1. Basic
2. Intermediate
3. Advanced

Each level has its own responsibilities.

1. Basic is responsible for getting the job done with minimum effort.
2. Intermediate is responsible for maximizing the efficiency of the job to be done.
3. Advanced is responsible for modeling, forecasting, designing architecture, and understanding cloud billing.

What do we learn about AWS Service at each level ?

1. Basic learn about AWS Glue, AWS Athena, AWS Quicksight, AWS S3 and AWS IAM.
2. Intermediate learn about AWS EMR, AWS Kinesis and AWS Redshift.
3. Advanced learn about Service pricing, forecasting the cloud spending, trade off between service and design architecture.

Course Detail

Basic Level

Online (On – demand)

1. What is AWS S3 ?
2. What is AWS Glue ?
3. What is AWS Athena ?
4. What is AWS Quicksight ?
5. What is AWS IAM ?
6. How to upload data into AWS S3
7. How to read data with AWS Glue from S3
8. How to visualize data with AWS Glue databrew
9. How to write SQL with AWS Athena
10. How to build dashboard with AWS Quicksight

Preparation project (On – demand)

1. Helloworld from S3 to Quicksight.

Workshop (Offline) (3 hrs.)

1. First run, From data to dashboard.
2. Second run, First 100 Million record and how to manage them.
3. Third run, Glue without code.

On-demand content, will be hosted on the VulturePrime website.

The workshop will be recorded and uploaded to the VulturePrime Youtube Channel.

Course Detail

Intermediate Level

Online (On – demand)

1. What is AWS EMR ?
2. What is AWS Kinesis ?
3. What is AWS Redshift ?
4. How to create EMR
5. How to validate EMR
6. How to create Kinesis
7. How to validate Kinesis
8. How to create Redshift
9. How to validate Redshift

Preparation project (On – demand)

1. Helloworld from S3 to EMR.
2. Helloworld from Kinesis to EMR.
3. Helloworld to Hello and World with Redshift.

Workshop (Offline) (3 hrs.)

1. First run, Batching and Scaling process with EMR.
2. Second run, Process and Store in Redshift.
3. Third run, Realtime process with EMR.
4. Fourth run, Unlock the true power of apache spark (EMR).

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Course Detail

Advanced Level

Online (On – demand)

1. What is AWS Billing ?
2. What is Shared Responsibility Model ?
3. What is Forecasting and Modeling ?
4. What is Cloud unit economics ?
5. What is Well architecture ?
6. How to create Simple cost structure
7. How to create Cloud unit economic
8. How to create Cloud modeling

Preparation project (On – demand)

1. TBA

Workshop (Offline) (3 hrs.)

1. TBA

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