DP-203: Data Engineering in Microsoft Azure, Part 3 of 7: Batch Processing

Meet the expert: Eshant Garg has 16 years of extensive professional experience with expertise in Database and Business Intelligence Solutions, Advanced Analytics, Design and Solution Architect, Reporting, and Cloud Computing Technologies (Azure & AWS).

As a developer and architect, he has worked closely with customers, users, and colleagues to support business solutions across a variety of industries including healthcare, insurance, finance, and government ranging from small companies to fortune 500 companies.

Prerequisites: AZ-900 Azure Fundamentals is very helpful but not required. A Candidate for the exam must have strong knowledge of data processing languages such as SQL, Python, or Scala, and they need to understand parallel processing and data architecture patterns.

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Course description: The DP-203 Exam is measured in Four domains: Design and implement data storage (40-45%), Design and develop data processing (25-30%), Design and implement data security (10-15%), and Monitor and optimize data storage and data processing (10-15%).

This course covers Batch Processing.

Course outline:

Develop Batch Process Solutions
- Introduction
- Learning Ojectives
- What Is Data Factory
- Data Factory Within Azure Eco System
- Create Data Factory
- Summary

Data Factory Continued
- Introduction
- Components
- Pipeline And Activities
- Summary

Linked Service and Datasets
- Introduction
- Linked Service And Datasets
- Integration Runtime
- Summary

Triggers
- Introduction
- Data Factory - Triggers
- Copy Data Activity Wizard
- Summary

Copy Data Activity using Author
- Introduction
- Copy Data Activity Using Author
- User Properties
- Parameterization
- Data Flow Concept
- Summary

Mapping Data Flow
- Introduction
- Mapping Data Flow
- Wrangling Data Flow
- Summary

DataBricks in Azure Cloud
- Introduction
- What are Azure Databricks
- Demo: Overview
- Provision Databricks
- Summary

Mount Data Lake to Databricks
- Introduction
- Mount Data Lake To Databricks
- Explore - Analyze - Clean - Transform
- Summary

Azure DataBricks Clusters
- Introduction
- Azure Databricks Clusters
- Azure Databricks Important Components
- Summary