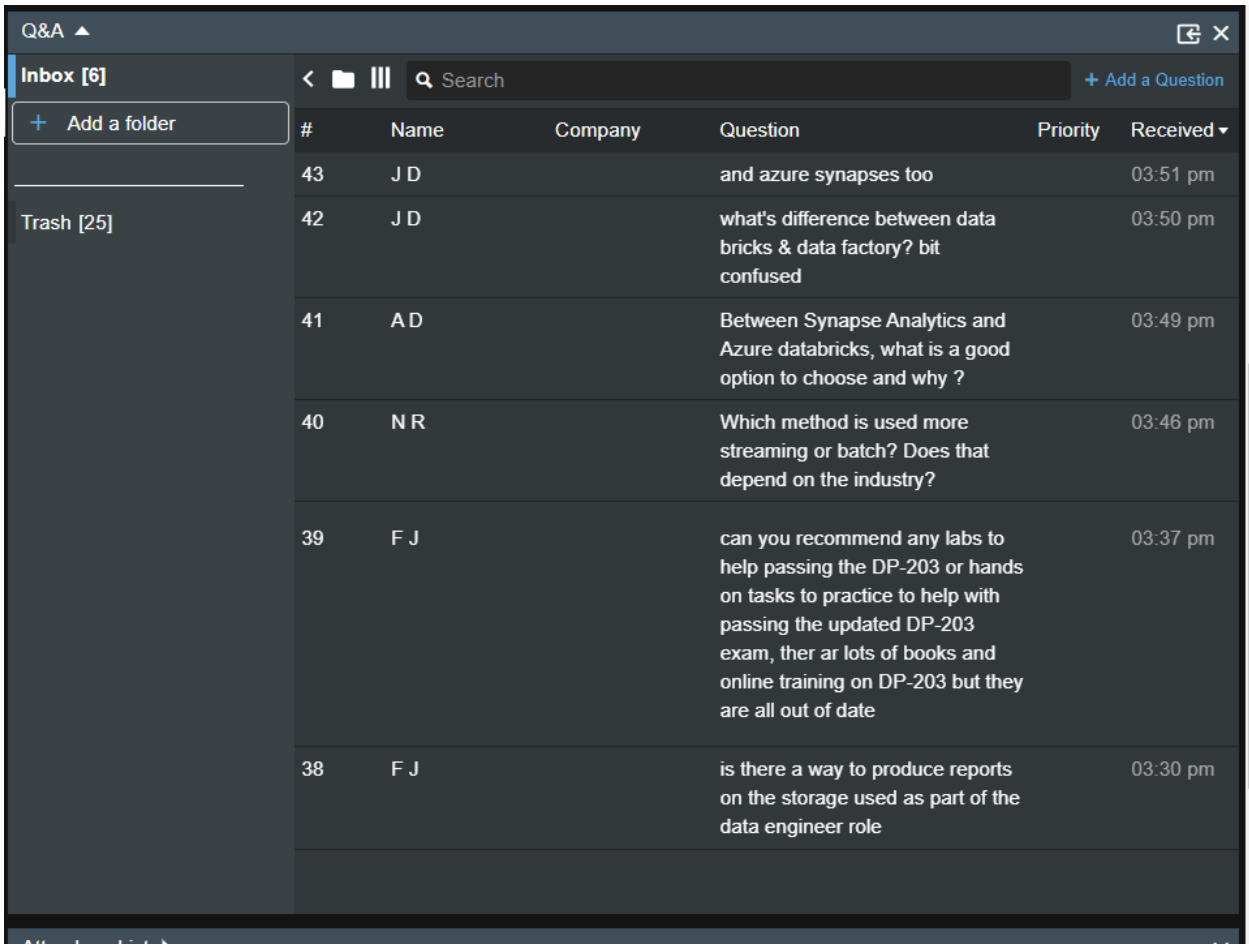
DP-203 OLT, June 16, 2023
Reza Salehi

Questions:



Answers:

- **#38**: Yes. You can either use Azure Storage Insights, or take a look at Azure Storage Metrics:
  - https://learn.microsoft.com/en-us/azure/storage/common/storage-insights-overview
  - https://learn.microsoft.com/en-us/azure/storage/blobs/monitor-blob-storage-reference#account-level
- **#39**: You can check out the following:

    - The “self-paced” learning paths here https://learn.microsoft.com/en-us/certifications/exams/dp-203/
    - Also, Microsoft has very good training and quick starts for each service. I added a few examples below. You can easily find them in the service documentation:
        - https://learn.microsoft.com/en-us/azure/databricks/getting-started/etl-quick-start
        - https://learn.microsoft.com/en-us/azure/databricks/getting-started/data-pipeline-get-started
        - https://learn.microsoft.com/en-us/azure/databricks/getting-started/free-training
        - https://learn.microsoft.com/en-us/azure/synapse-analytics/get-started-create-workspace
        - https://learn.microsoft.com/en-us/azure/synapse-analytics/get-started-analyze-sql-on-demand
        - https://learn.microsoft.com/en-us/azure/synapse-analytics/get-started-analyze-data-explorer
        - https://learn.microsoft.com/en-us/azure/synapse-analytics/get-started-analyze-spark
        - https://learn.microsoft.com/en-us/azure/synapse-analytics/get-started-analyze-sql-pool
        - https://learn.microsoft.com/en-us/azure/synapse-analytics/get-started-analyze-storage
        - https://learn.microsoft.com/en-us/azure/synapse-analytics/get-started-pipelines
        - https://learn.microsoft.com/en-us/azure/synapse-analytics/get-started-visualize-power-bi
        - https://learn.microsoft.com/en-us/azure/stream-analytics/stream-analytics-quick-create-portal
        - https://learn.microsoft.com/en-us/azure/stream-analytics/create-cluster
        - https://learn.microsoft.com/en-us/azure/stream-analytics/quick-start-build-application
        - https://learn.microsoft.com/en-us/azure/stream-analytics/stream-analytics-test-query
- **#40**: Both are used very commonly, and it depends on the project/use-case. We need to analyze both streaming and batch data.
- **#41**:
    - Both are good options for processing data. It depends on the talent which you have in your company.
    - Use Azure Synapse if data engineers are comfortable with SQL.
    - Choose either one if you need to use Spark.
    - Also keep in mind that Azure Synapse can persist data (it is a data warehouse) but Azure Databricks is used to process big data in memory.

    - Compare the pricing and choose the one which is more cost effective.
    - Also see the following https://learn.microsoft.com/en-us/answers/questions/587071/differnce-between-synapse-and-databricks
- **42 & 43**:
    - It is hard to answer this question in a few sentences. ADF is a data integration service. You can use a visual designer to create data pipelines to extract, transform and load data. Azure Databricks is a managed Spark cluster which can be used to process big data in memory. You need to write code (Python, Scala, etc.) to analyze your data.
        - https://learn.microsoft.com/en-us/azure/data-factory/introduction
        - https://learn.microsoft.com/en-us/azure/databricks/introduction/
- Thank you!