# **DP200 - Implementing a Data Platform Solution**

## Lab 1 - Azure for the Data Engineer

### Exercise 2: Determine the Azure Data Platform services to use for AdventureWorks.

Use the table below to document the data requirements and data platform technology as identified from the AdventureWorks case study.

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| # | Data requirement | Technology |
| 1 | Data store containing images of the product available for sale on website | Azure storage account – Blob |
| 2 | Data warehouse capabilities of Azure Synapse Analytics | Azure Synapse |
| 3 | Predictive analytics capability | Azure Databricks |
| 4 | Chat bot conversation data including historical messages | Azure Data Lake |
| 5 | Data to conclude whether customer request is fraudulent | Event Hubs or Service Bus |
| 6 | Twitter data with company’s hashtag | Streams Analytics |
| 7 | 1st and 3rd party application to access data in bicycle computer | IoT Hubs |
| 8 | Telemetry and usage information of bicycle for maintenance | IoT Hubs |
| 9 | Globally availability of data for customers giving sales and order information | Azure SQL DB or cosmos DB |