# **DP 200 - Implementing a Data Platform Solution**

## Lab 1 - Azure for the Data Engineer

### Exercise 1: Identify the evolving world of data within AdventureWorks.

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

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| # | Data requirement | Data Structure | Technology |
| 1 | Imagens dos AdventureWorks website | Unstructured | Stoage Account (Blob Storage) |
| 2 | Sales and Order Data | Structured / Semi | SQL DB / Cosmos DB |
| 3 | Sales Historical Data Report | Structured | SQL DW (synapse) |
| 4 | Resultado da predictive analytics | Structured | Databricks / Data Lake |
| 5 | text analytics engine | No Structured | Databricks / API Cognitiva |
| 6 | chatbots | Semi Structured | Cosmos DB |
| 7 | Social Media | unStructured | DataLakeStore (DLSA) |
| 8 | IOT – Telemetria da Bicicleta | Semi Structured | Cosmos DB / DSLA |
| 9 | Summary | Structured |  |
| 10 | IOT data in Real Time | Semi Structured |  |
| 11 | Maintenance Service (dados da prediç) | Structured |  |