# **DP201 - Designing an Azure Data Platform Solution**

## Lab 2 – Azure Batch Processing Reference Architectures

**Exercise 1**

**Task 2: Build a high level architecture that reflects the enterprise BI solution in AdventureWorks.**

Use the template below to document the high-level architecture for the batch mode processing of data in an Enterprise BI solution in AdventureWorks. Use the images in the icon folder to build a high-level architecture. An example of an of the requirement from the case study has been provided as an example. You can develop your own on page 2.

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| **Azure SQL Data Warehouse high-level architecture** | | | |
| Data Source | Ingestion and Data Storage | Analysis | Visualisation |
| On-premises  SQL Database | Azure Azure  Blob Store Synapse Analytics | Analysis Services | Power BI |

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| **Daily Flat Files produced from the Electric Bike Sensors** | | | |
| Data Source | Ingestion and Data Storage | Analysis | Visualisation |
| E Bike IoT Hub  Sensors | Azure Stream Data Lake  Analytics | Data Bricks SQL to store  Results    Azure Data Factory to Orchestrate Databricks Notebook Running and monitor etc. | or  Azure Web Power BI  App Embedded |
|  |  |  |  |