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

## Lab 2 – Azure Batch Processing Reference Architectures

**Exercise 2**

**Task 1: Build a high level Architecture that reflects a stream processing pipeline with Azure Databricks.**

Use the template below to document the high-level architecture that would form part of a stream processing pipeline with Azure Databricks. An example is provided below for a connected bicycle streaming data.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. **Connected bicycle streaming data** | | | |
| Data Source | Ingestion and Data Storage | Analysis | Visualisation |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 1. **Performing predictive analytics of bicycle maintenance** | | | |
| Data Source | Ingestion and Data Storage | Analysis | Visualisation |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 1. **Holistic real-time architecture** | | | |
| Data Source | Ingestion and Data Storage | Analysis | Visualisation |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Complete holistic architecture – (Batch and real-time mode)** | | | |
| Data Source | Ingestion and Data Storage | Analysis | Visualisation |
|  |  |  |  |