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

## Lab 3 – Azure Real-Time Reference Architectures

**Exercise 1**

**Task 1: Design a real-time solution in Azure**

Use the table below to document the requirements for real time processing of data in an Enterprise BI solution in AdventureWorks.

|  |  |  |
| --- | --- | --- |
| **#** | **Requirement** | **Technology Suggestion** |
| 1 | Information about the status of the bicycle in real time | Azure IoT Hub, Azure Stream Analytics |
| 2 | Predictive bicycle maintenance service | Azure Machine Learning |
| 3 | Mobile application that retrieve data about the bicycle | Azure Mobile App, Azure Function App |
| 4 | Records with the history of use of the bicycle | Azure CosmosDB, Azure Synapse, Azure Databricks |
| 5 | Visualisations | Power BI Service |