# **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 | Fetch/Capture data from bicycle | Event Hub |
| 2 | Store and share data from bicycle **Doubt**: Could Azure Function be used to perform the role of integrator between Stream Analytics and CosmosDB? | Stream Analytics, Azure Function to process data and persists data into CosmosDB. |
| 3 | Fraudulent tracking **Doubt**: Can Event Hub be used to assess whether the product was sold by AdventureWorks and assess if the product is still warranted? Answer: Teacher recommend to use it to fetch data from Event Hub, persist into CosmosDB and so on. It’s a flexible service that can be used for everything. | Event Hub??? Databricks to process and Machine Learning development |
| 4 | Chatbot needs to answer the data’s request in near real time, regardless the customer of where the customer is. | Azure Function, Machine Learning Studio, and CosmosDB |