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

## Lab 2- Working with Data Storage

### Exercise 1: Choose a Data Storage Approach in Azure

Fill out the tables below to document the data storage required to meet two of AdventureWorks storage needs.

**Question 1.**

AdventureWorks are in the process of transferring a web application and its logic to Azure Web Apps and require a data store that can be used to host the static images that are used on the website.

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| --- | --- |
| **Data Store Type** | Storage Account |
| **Configuration options** | Blob Storage – Create a container named “images” to store the static images files |
| **Other comments** | Create a role (RBAC) for the App Service as Storage Blob Data Contributor and use IAM to connect to the Blob from the App Service |

**Question 2.**

AdventureWorks are in the process of building a predictive analytics solution. You have been asked to set up a solution that will be used to host the production environment of their work. In the first instance, you will assess what is the appropriate storage tier to create for the solution.

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| --- | --- |
| **Data Store Type** | Azure Data Lake Store |
| **Configuration options** | Account type: Blob (store binaries).  Hierarchical Namespace: enabled (this provides scalability and cost-effectiveness), with it files and objects are organized in the same way that the file system in our computer is organized.  Create a container named data to host data files |
| **Other comments** | This resource could be in the same RG as an Azure Machine Learning instance to analyse/build predictive models of the data |