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

## Lab 4 – Azure Security Design Considerations

**Exercise 2**

**Task 1: Identity management**

Use the table below to document the primary authentication and access mechanism for each technology that is used to meet an AdventureWorks requirements.

|  |  |  |
| --- | --- | --- |
| **Technology** | **Requirement** | **Primary Authentication** |
| Synapse Analytics | Ordering System - Restricted Access | Firewall, SSO (AD), Encryption, RBAC |
| Synapse Analytics | Business Reporting System - Restricted Access | Firewall, SSO (AD), Encryption. RBAC |
| Web App, Mobile App | Customer Service | Encryption, Compute Validation, SSO (AD), RBAC |
| Azure IoT Hub, Stream Analytics, Cosmos DB, Synapse Analytics | Connected Bicycle | Network, Compute Validation, SSO (AD), Encyption, Firewall, RBAC |
| Azure Blob Storage | Website image storage | Azure Active Directory, SAS, RBAC |
| Cosmos DB | Telemetry Data | Resource Tokens |
| IoT Hub | Ingestion of Telemetry Data | Device Provisioning and Policy |