**Azure security project solution**

**Task 1: Create a group with three users, assign the Virtual Machine Administrator Login role, and implement multifactor authentication for the users.**

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| **Activity** | **Key evidence** |
| **Activity 1:** Create three users in Azure Active Directory (Azure AD). |  |
| **Activity 2:** Create a group for the three users and assign the Virtual Machine Administrator Login role to this group. |  |
| **Activity 3:** Implement mandatory multifactor authentication for all three users. |  |

**Task 2: Upload an image to a Storage account container, create a Blob shared access signature (SAS) URL for the image, and assign the Storage Blob Data Contributor role to the group members.**

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| **Activity** | **Key evidence** |
| **Activity 1:** Create a resource group, a Storage account, and a container. |  |
| **Activity 2:** Upload an image to the container in the Storage account and create a Blob SAS URL for the image. |  |
| **Activity 3:** Assign the Storage Blob Data Contributor role to the group members. |  |

**Task 3:** **Create a Key Vault and a managed identity and encrypt the Storage account using customer-managed keys.**

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| **Activity** | **Key evidence** |
| **Activity 1:** Create a Key Vault and a managed identity and assign key permissions to the managed identity. |  |
| **Activity 2:**Encrypt your Storage account using customer-managed keys. |  |

**Task 4:** **Secure your Storage account using Microsoft Defender and Log Analytics workspace.**

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| **Activity** | **Key evidence** |
| **Activity 1:** Enable Microsoft Defender for Storage for your Storage account. |  |
| **Activity 2:** Configure diagnostic settings to send data to the Log Analytics workspace. |  |

**Task 5:** **View the image using a Blob SAS URL on a virtual machine.**

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| **Activity** | **Key evidence** |
| **Activity 1:** Create a Windows Server 2019 Datacenter virtual machine. |  |
| **Activity 2:** Add a network security group rule to allow inbound traffic on port 3389 for your virtual machine. |  |
| **Activity 3:** Verify access to the image as an administrator using the Blob SAS URL. |  |
| **Activity 4:** Access the image as a sales team member using the Blob SAS URL. |  |