**Azure security project solution**

**Instructions**: Document the screenshots required as indicated below.

**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). | Screenshot that shows the three users on the **Users** page  *<Paste screenshot here.>* |
| **Activity 2:** Create a group for the three users and assign the Virtual Machine Administrator Login role to this group. | 1) Screenshot that shows the three users on the **All groups** page  *<Paste screenshot here.>*  2) Screenshot that shows the **Added Role assignment** notification indicating that the group was assigned the Azure Virtual Machine Administrator Login role  *<Paste screenshot here.>* |
| **Activity 3:** Implement mandatory multifactor authentication for all three users. | Screenshot that shows the **MULTI-FACTOR AUTH** **STATUS** enabled for all three users  *<Paste screenshot here.>* |

**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. | 1) Screenshot that shows the new resource group listed on the **Resource groups** page  *<Paste screenshot here.>*  2) Screenshot that shows the **Containers** page of the new resource group with the new container listed  *<Paste screenshot here.>* |
| **Activity 2:** Upload an image to the container in the Storage account and create a Blob SAS URL for the image. | 1) Screenshot that shows the uploaded image on the Storage account's **Containers** page  *<Paste screenshot here.>*  2) Screenshot that shows the Blob SAS URL for the image  *<Paste screenshot here.>* |
| **Activity 3:** Assign the Storage Blob Data Contributor role to the group members. | Screenshot that shows the **Storage Blob Data Contributor** role assigned to the three users on the **Access control (IAM)** page of **Resource groups**  *<Paste screenshot here.>* |

**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. | 1) Screenshot that shows a notification that the Key Vault is successfully deployed  *<Paste screenshot here.>*  2) Screenshot that shows a notification that the managed identity is successfully deployed  *<Paste screenshot here.>*  3) Screenshot that shows that key permissions are assigned to the managed identity  *<Paste screenshot here.>* |
| **Activity 2:**Encrypt your Storage account using customer-managed keys. | Screenshot that shows a notification that the Storage account is successfully encrypted using customer-managed keys  *<Paste screenshot here.>* |

**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. | Screenshot that shows the **Microsoft Defender for Storage** enablement status as **On**  *<Paste screenshot here.>* |
| **Activity 2:** Configure diagnostic settings to send data to the Log Analytics workspace. | Screenshot that shows the new diagnostic setting on the **Diagnostic settings** page  *<Paste screenshot here.>* |

**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. | Screenshot that shows the **Your deployment is complete** message indicating your virtual machine has been created  *<Paste screenshot here.>* |
| **Activity 2:** Add a network security group rule to allow inbound traffic on port 3389 for your virtual machine. | Screenshot that shows the new inbound port rule added for port 3389  *<Paste screenshot here.>* |
| **Activity 3:** Verify access to the image as an administrator using the Blob SAS URL. | Screenshot that shows the image in a virtual machine browser with the Blob SAS URL  *<Paste screenshot here.>* |
| **Activity 4:** Access the image as a sales team member using the Blob SAS URL. | 1) Screenshot that shows the **Connect** page of the virtual machine with one of the sales team members logged in  *<Paste screenshot here.>*  2) Screenshot that shows the image in a virtual machine browser with the Blob SAS URL  *<Paste screenshot here.>* |