

Assignment 7

1. Observe assigned Subscriptions

Resources :

<https://www.youtube.com/watch?v=OOwQmikCLs4&pp=ygUWYXp1cmUgYWNOaXZlIGRpcmVjdG9yeQ%3D%3Dhttps://learn.microsoft.com/en-us/cli/azure/what-is-azure-cli>

2. Observe Azure Entra ID or create own Azure Entra ID in personal Azure account
3. Create test users and groups
4. Assign a RBAC role to user and test
5. Create a custom role and assigned to users and test
6. Observe assigned Subscriptions

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7. Observe Azure Entra ID or create own Azure Entra ID in personal Azure account
8. Create test users and groups
9. Assign a RBAC role to user and test
0. Create a custom role and assigned to users and test
1. Create Virtual maching and Vnet from Azure CLI

Resources :

https://www.youtube.com/watch?v=DOywwse_j8Ihttps://learn.microsoft.com/en-us/powershell/azure/what-is-azure-powershell?view=azps-9.3.0

2. Create and assign a any policy at subscription level

Resources :

<https://www.youtube.com/watch?v=4wGns611G4w&pp=ygUUMYXp1cmUgcG9saWN5https://learn.microsoft.com/en-us/azure/azure-resource-manager/templates/overview>

3. Create an Azure key vault and store secrets.

Resources :

<https://www.youtube.com/watch?v=JDRixckApxMSpp=ygUPYXp1cmUga2V5IHZhdWx0>

4. Configure access policies for the Key Vault to allow authorized users or applications to manage keys and secrets.
5. retrieve secret from key vault using azure CLI
6. Create a VM from Powershell

Resources :

<https://www.youtube.com/watch?v=-SRk0hHa-S0>

Here's a step-by-step plan to achieve the tasks listed:

1. Observe Assigned Subscriptions

- **Resources:**

- [Azure Active Directory](#)
- [Azure CLI Overview](#)

- **Steps:**

1. Open the Azure Portal.
2. Navigate to the **Subscriptions** blade.
3. Review the list of subscriptions available.

2. Observe Azure Entra ID or Create Your Own in Personal Azure Account

- **Resources:**

- [Azure Active Directory](#)
- [Azure CLI Overview](#)
- **Steps:**
 1. Open the Azure Portal.
 2. Navigate to **Azure Active Directory**.
 3. If creating a new Azure Entra ID:
 - Click on **Create a directory**.
 - Fill in the required details and create your directory.

3. Create Test Users and Groups

- **Steps:**
 1. Open the Azure Portal.
 2. Navigate to **Azure Active Directory**.
 3. Go to the **Users** section and create test users.
 4. Go to the **Groups** section and create test groups.

4. Assign an RBAC Role to a User and Test

- **Steps:**
 1. Open the Azure Portal.
 2. Navigate to the desired resource.
 3. Go to **Access Control (IAM)**.
 4. Click on **Add role assignment**.
 5. Select the role and assign it to the user.
 6. Test the access by logging in as the user.

5. Create a Custom Role and Assign to Users and Test

- **Steps:**
 1. Open the Azure Portal.
 2. Navigate to **Subscriptions > Access Control (IAM)**.
 3. Click on **Add > Add custom role**.
 4. Define the custom role and save.
 5. Assign the custom role to the test users.
 6. Test the access by logging in as the users.

6. Create Virtual Machine and VNet from Azure CLI

- **Resources:**
 - [Azure CLI Virtual Machine Tutorial](#)
 - [Azure PowerShell Overview](#)
- **Steps:**
 1. Open a terminal with Azure CLI installed.
 2. Use the following commands to create a VM and VNet:

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```
az network vnet create --name myVNet --resource-group  
myResourceGroup --subnet-name mySubnet  
az vm create --resource-group myResourceGroup --name myVM --vnet-  
name myVNet --subnet mySubnet --image UbuntuLTS --admin-username  
azureuser --generate-ssh-keys
```

7. Create and Assign a Policy at Subscription Level

- **Resources:**
 - [Azure Policy](#)
 - [Azure Resource Manager Templates Overview](#)
- **Steps:**
 1. Open the Azure Portal.
 2. Navigate to **Policy**.
 3. Click on **Assignments** > **Assign Policy**.
 4. Select a policy definition and assign it to the subscription.

8. Create an Azure Key Vault and Store Secrets

- **Resources:**
 - [Azure Key Vault](#)
- **Steps:**
 1. Open the Azure Portal.
 2. Navigate to **Key Vaults** and create a new Key Vault.
 3. Once created, navigate to **Secrets** and add new secrets.

9. Configure Access Policies for the Key Vault

- **Steps:**
 1. Open the Azure Portal.
 2. Navigate to the Key Vault created.
 3. Go to **Access policies**.
 4. Add access policies to allow authorized users or applications.

10. Retrieve Secret from Key Vault Using Azure CLI

- **Steps:**
 1. Open a terminal with Azure CLI installed.
 2. Use the following command to retrieve a secret:

```
az keyvault secret show --name <secret-name> --vault-name <vault-  
name>
```

11. Create a VM from PowerShell

- **Resources:**
 - [Create VM using PowerShell](#)

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- **Steps:**

1. Open a PowerShell terminal.
2. Use the following commands to create a VM:

```
powershell  
Copy code  
New-AzVm -ResourceGroupName "myResourceGroup" -Name "myVM" -  
Location "EastUS" -VirtualNetworkName "myVNet" -SubnetName  
"mySubnet" -SecurityGroupName "myNetworkSecurityGroup" -  
PublicIpAddressName "myPublicIpAddress"
```

This plan will help you complete all the tasks listed efficiently. Let me know if you need further details or assistance with any step!