**Lab: Managing Entra ID Identities with Azure Cloud Shell**

**Objective**

Trainees will manage Entra ID identities by creating and configuring users, groups, and permissions using PowerShell and Bash commands in Azure Cloud Shell.

**Pre-requisites**

* Azure subscription access
* Azure Cloud Shell access

**Lab Steps**

**Task 1: User Management**

1. **Launch Cloud Shell**: Access Azure Cloud Shell and select PowerShell.
2. **Create a New User**:
   * **PowerShell**:

New-AzADUser -UserPrincipalName "newuser@yourdomain.com" -DisplayName "New User" -PasswordProfile (New-Object -TypeName Microsoft.Open.AzureAD.Model.PasswordProfile -Property @{ Password = "UserPassword" })

* + **Bash**:

az ad user create --display-name "New User" --user-principal-name "newuser@yourdomain.com" --password "UserPassword"

1. **List Existing Users**:
   * **PowerShell**:

Get-AzADUser

* + **Bash**:

az ad user list --output table

**Task 2: Group Management**

1. **Create a New Group**:
   * **PowerShell**:

New-AzADGroup -DisplayName "HR Team" -MailNickname "HRTeam"

* + **Bash**:

az ad group create --display-name "HR Team" --mail-nickname "HRTeam"

1. **Add a User to a Group**:
   * **PowerShell**:

Add-AzADGroupMember -TargetGroupDisplayName "HR Team" -MemberUserPrincipalName "newuser@yourdomain.com"

* + **Bash**:

az ad group member add --group "HR Team" --member-id $(az ad user show --id "newuser@yourdomain.com" --query objectId -o tsv)

**Task 3: Permissions and Role Assignments**

1. **Assign a Role to a User**:
   * **PowerShell**:

New-AzRoleAssignment -RoleDefinitionName "Reader" -UserPrincipalName "newuser@yourdomain.com"

* + **Bash**:

az role assignment create --assignee "newuser@yourdomain.com" --role "Reader"

**Task 4: Review and Clean Up**

1. **List Group Members**:
   * **PowerShell**:

Get-AzADGroupMember -TargetGroupDisplayName "HR Team"

* + **Bash**:

az ad group member list --group "HR Team" --output table

1. **Delete User and Group**:
   * **PowerShell**:

Remove-AzADUser -UserPrincipalName "newuser@yourdomain.com"

Remove-AzADGroup -DisplayName "HR Team"

* + **Bash**:

az ad user delete --id "newuser@yourdomain.com"

az ad group delete --group "HR Team"