Microsoft Azure Administrator - Manage Azure AD Objects

MANAGE AZURE AD USERS AND GROUPS

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
Overview

Create users and groups

Manage user and group properties

Manage guest accounts

Exercise Files

Exercise Files

Microsoft Azure Administrator

Objective Domain

Functional Group

Objective

Skills

Exam AZ-104: Microsoft Azure Administrator – Skills Measured

This exam will be updated on November 24, 2020. Following the current exam guide, we have included a version of the exam guide with Track Changes set to "On," showing the changes that will be made to the exam on that date.

Manage Azure identities and governance (15-20%)

Manage Azure AD objects

- create users and groups
- manage user and group properties
- manage device settings
- perform bulk user updates
- manage guest accounts
- configure Azure AD Join
- configure self-service password reset
- NOT: Azure AD Connect; PIM

Azure AD Users

Azure AD User Types

Cloud identities

- Local Azure AD
- External Azure AD

Hybrid identities

- Directory-synchronized

Guest identities

- Azure AD B2B Collaboration
- External identities

Azure AD B2B Collaboration
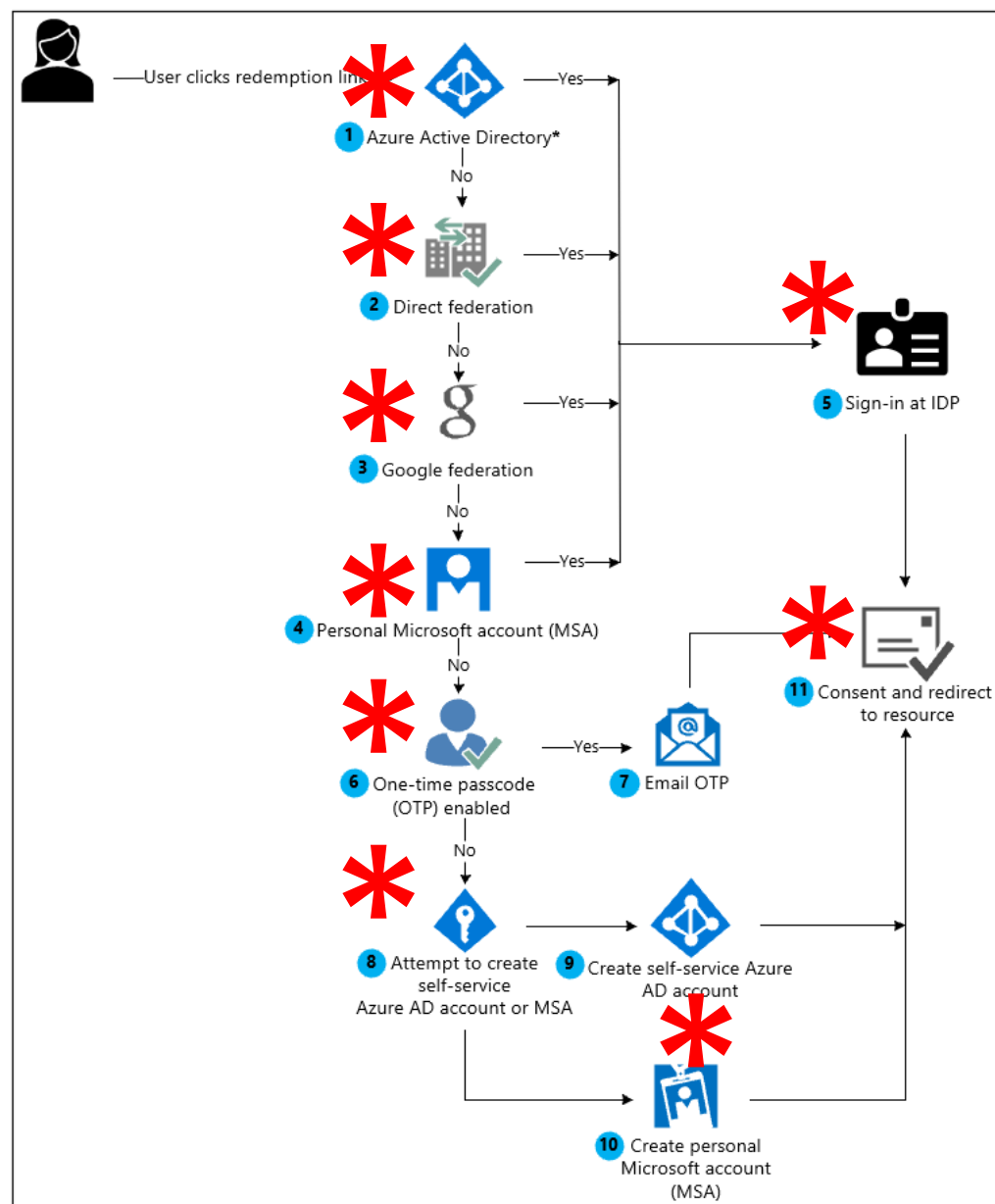
Create Azure AD User - PowerShell

```powershell
Install-Module -Name AzureAD
Connect-AzureAD
```

```powershell
$PasswordProfile = New-Object -TypeName
Microsoft.Open.AzureAD.Model.PasswordProfile
$PasswordProfile.Password = "P@ssw0rd8!"
$PasswordProfile.EnforceChangePasswordPolicy = $true
```

```powershell
New-AzureADUser -DisplayName "Pat Smith" -PasswordProfile $PasswordProfile `
    -UserPrincipalName "pats@timw.info" -AccountEnabled $true
```

Create Azure AD User - CLI

```
az ad user create --display-name "Adee Lester" \
    --password "P@$$w0rd13!" --user-principal-name "adee@timw.info" \
    --force-change-password-next-login --output table
```

Bulk Azure AD User Account Creation

Azure AD Groups

Azure AD Groups

Security

Owners

Dynamic membership

Microsoft 365

Assigned membership

Group-assigned roles and licenses

Administrative Units

Azure AD user and group container analogous to organizational unit (OU) in local Active Directory

Logically organize your Azure AD users

Delegate administrative permissions

Create Azure AD Group - PowerShell

```powershell
Install-Module -Name AzureAD
Connect-AzureAD
```

```powershell
New-AzureADGroup -Description "Marketing" -DisplayName "Marketing" `
    -MailEnabled $false -SecurityEnabled $true -MailNickName "Marketing"

Add-AzureADGroupMember -ObjectId "62438306-7c37-4638-a72d-0ee8d9217680" `
    -RefObjectId "0a1068c0-dbb6-4537-9db3-b48f3e31dd76"
```

Create Azure AD Group - CLI

```
az ad group create --display-name Sales --mail-nickname Sales
```

```
az ad group member check --group Sales --member-id xxxxxxxx-xxxx
```

```
az ad group member add --group Sales --member-id xxxxxxxx-xxxx
```

Demo

1

Create a dynamic group + license

Create cloud user in target city

Invite guest user in target city

Demonstrate RBAC parity

Summary

Remember that Azure AD and ARM are covered by different engineering teams

- PowerShell, CLI

Administrative units bring Azure AD more into parity with Local AD

- They are still very different identity stores, however

Next module: Administer Azure AD Devices