365 Cross Tenant Migration  
  
  
Moving User from Source Tenant to Target Tenant  
  
A diagram of a company

Description automatically generatedStep 1:

1. Create Mail User in Target Tenant
2. Make sure the UPN, First Name, Last Name, Display Name, UPN External Email Address are the same as the Source Tenant
3. Set the Domain as the Target tenant domain name

Step 2:   
Run the below powershell for the Source Tenant

Connect-ExchangeOnline

Get-Mailbox | Select-Object ExchangeGuid, @{Name="LegacyExchangeDN"; Expression={"x500:" + $\_.LegacyExchangeDN}}, FirstName, LastName, UserPrincipalName | Export-Csv -Path "C:\Mint\_ExchangeGuid.csv" -NoTypeInformation

Step 3:  
Run the below powershell for the Target Tenant

Connect-ExchangeOnline

# Loop through each row in the CSV

foreach ($row in $csvData) {

$userEmailAddress = $row.EmailAddress

$exchangeGuid = $row.ExchangeGuid

# Find the user based on their EmailAddress

$user = Get-MailUser -Filter {PrimarySmtpAddress -eq $userEmailAddress}

if ($user) {

# Set the ExchangeGuid and EmailAddress for the user

Set-MailUser -Identity $user -ExchangeGuid $exchangeGuid -PrimarySmtpAddress $userEmailAddress

Write-Host "Updated user: $userEmailAddress"

} else {

Write-Host "User not found for EmailAddress: $userEmailAddress"

}

}

# Confirm if migration worked for one user

#Get-MailUser -Identity "Test User Account" | FL exchangeguid,legacyexchange dn

Create a migration application within the Target Tenant

1. Register an application using the following link:  
   [App registrations - Microsoft Azure](https://portal.azure.com/#view/Microsoft_AAD_RegisteredApps/ApplicationsListBlade)
2. Click New Registration - Name the application Migration Application and tick Account in any organizational directory (Any Azure AD Directory – Muli-tenant)
3. A screenshot of a computer

   Description automatically generatedSet the Redirect URI (optional) to Web and the URL to <https://office.com>
4. Once this has been completed refresh the screen and copy the Application (client) ID and add it to notepad

Set API Permissions

1. Go to the "API permissions" tab and remove the "User.Read" permission.
2. Click on "Add permission" and choose "APIs used by my organization."
3. Choose "Application Permissions."
4. Open the "Mailbox" section and mark the "Mailbox.Migration" option.

Create Client Secret

1. Go to "Certificates and Secrets."
2. Create a new client secret and name it, like "Migration Secret Key."
3. Copy the value and save it as the "Password" in Notepad.

Create Invitation link that you will give to Source Tenant  
(This will allow permissions for the application and enable the mailbox migration)

1. Modify the link below: Original Link: [https://login.microsoftonline.com/ADD\_SOURCE\_TENANT\_HERE.onmicrosoft.com/adminconsent?client\_id=APPLICATION ID&redirect\_uri=https://office.com](https://login.microsoftonline.com/ADD_SOURCE_TENANT_HERE.onmicrosoft.com/adminconsent?client_id=APPLICATION%20ID&redirect_uri=https://office.com) Adjust it as needed for your specific case.
2. Provide the modified link to the Source Tenant Admin.
3. The Source Tenant Admin should accept it. (Send it to someone who has access)

Create Migration Endpoint on Target Tenant  
(This allows the Target tenant to connect to the Source Tenant where the mailboxes are hosted)

1. Run the below script on the Target Tenant - Adjust the below script accordingly

#Create migration EndPoint

# Enable customization if tenant is dehydrated

$dehydrated=Get-OrganizationConfig | select isdehydrated

if ($dehydrated.isdehydrated -eq $true) {Enable-OrganizationCustomization}

$AppId = " INPUT APPLICATION ID"

$Credential = New-Object -TypeName System.Management.Automation.PSCredential -ArgumentList $AppId, (ConvertTo-SecureString -String "INPUT SECRET KEY" -AsPlainText -Force)

New-MigrationEndpoint -RemoteServer outlook.office.com -RemoteTenant " INPUT SOURCETENANT.onmicrosoft.com" -Credentials $Credential -ExchangeRemoteMove:$true -Name "Cross-Tenant Migration" -ApplicationId $AppId

Create an Organizational Relation between Target Tenant and Source Tenant

1. Go to Source Tenant and get the Tenant ID and copy this to notepad  
   [Tenant ID](https://portal.azure.com/#view/Microsoft_AAD_IAM/ActiveDirectoryMenuBlade/~/Overview)

Change the below script accordingly and run on the Target Tenant  
  
# Create a new organization relationship from Target to Source Tenant

# Connect to Target Tenant

Connect-ExchangeOnline

$sourceTenantId="INPUT SOURCE TENANT ID"

$orgrels=Get-OrganizationRelationship

$existingOrgRel = $orgrels | ?{$\_.DomainNames -like $sourceTenantId}

If ($null -ne $existingOrgRel)

{

Set-OrganizationRelationship $existingOrgRel.Name -Enabled:$true -MailboxMoveEnabled:$true -MailboxMoveCapability Inbound

}

If ($null -eq $existingOrgRel)

{

New-OrganizationRelationship "From Target to Source" -Enabled:$true -MailboxMoveEnabled:$true -MailboxMoveCapability Inbound -DomainNames $sourceTenantId

}

#Get-OrganizationRelationship | Format-List

#Disconnect-ExchangeOnline

Create a mail enabled security group

1. Create a mail enabled security group on the Source Tenant  
   Name can be called Migration Security Group
2. Add the members to be migrated to the group
3. Copy the email for the mail enabled security group and add this to notepad

Create an Organizational relationship with the Target Tenant

1. Make sure you are connected to the Source tenant and run the below

# Source Tenant

Connect-ExchangeOnline

# Prepare Source tenant

# Enable customization if tenant is dehydrated

$targetTenantId="INPUT TARGET TENANT ID"

$appId="INPUT APPLICATION ID"

$scope="INPUT MAIL ENABLED SECURITY GROUP EMAIL ADDRESS"

$existingOrgRel = $orgrels | ?{$\_.DomainNames -like $targetTenantId}

If ($null -ne $existingOrgRel)

{

Set-OrganizationRelationship $existingOrgRel.Name -Enabled:$true -MailboxMoveEnabled:$true -MailboxMoveCapability RemoteOutbound -OAuthApplicationId $appId -MailboxMovePublishedScopes $scope

}

If ($null -eq $existingOrgRel)

{

New-OrganizationRelationship "From Source to Target" -Enabled:$true -MailboxMoveEnabled:$true -MailboxMoveCapability RemoteOutbound -DomainNames $targetTenantId -OAuthApplicationId $appId -MailboxMovePublishedScopes $scope

}

#Disconnect-ExchangeOnline

Create a CSV

1. The CSV will need to have a column called EmailAddress and have the users email address they you are migrating

Create Test Batch Migration

1. Change the below script accordingly and run this on the Target Tenant  
     
   New-MigrationBatch -Name "Test Batch" -SourceEndpoint target\_source\_7977 -CSVData ([System.IO.File]::ReadAllBytes('users.csv')) -Autostart -TargetDeliveryDomain eduthing.onmicrosoft.com

#Get-Migrationednpoint   
# Get-Migrationbatch | fl

Clean-up after Migration has completed (One week later)

Removing Migration EndPoint

Run the below script on the Target Tenant

# Connect to Target Tenant

Connect-ExchangeOnline

Remove-MigrationEndpoint -identity “Cross-Tenant Migration”  
  
#Disconnect-ExchangeOnline

Removing Organizational Relationship  
The below should be done on the Target and Source tenant

1. From the Microsoft 365 admin center go to Admin > Exchange.
2. Go to organization > sharing.
3. Under Organization Sharing, select an organization relationship, and then click Delete Delete icon..
4. In the warning that appears, click yes.

This can also be done via powershell using the below command:  
  
  
# Connect to Target Tenant

Connect-ExchangeOnline

Remove-OrganizationRelationship -Identity "From Target to Source"  
  
#Disconnect-ExchangeOnline   
  
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# Connect to Source Tenant

Connect-ExchangeOnline

Remove-OrganizationRelationship -Identity "From Source to Target"  
  
#Disconnect-ExchangeOnline