**DL Migration Plan**

DL migration is not exactly migration, it is creating a replica of a DL in exchange online.

# **Take Out DL’s Details**

You must take out the details of the Dl you want to migrate which include

* Display name
* Alias
* PrimarySMTPAddress
* Managed By (owners)
* Members

# Script to take out Display name, Alias, Primary SMTP and Export to CSV

Run this in your on prem exchange management shell as administrator.

Get-DistributionGroup -ResultSize Unlimited |

Select-Object Name, PrimarySmtpAddress, Alias

Export-Csv -Path "C:\Groups.csv" -NoTypeInformation

# Script to take out ManagedBy (owners) of a DL

$DLOwners = Get-DistributionGroup <DLName> | Select-Object ManagedBy

ForEach ($owner in $DLOwners.ManagedBy){

Get-User -Filter "UserPrincipalName -eq '$owner'" | Select-Object PrimarySmtpAddress

}

# Script to take out members of a DL

$DLOwners = Get-DistributionGroup <DLName> | Select-Object ManagedBy

ForEach ($Owner in $DLOwners.ManagedBy) {

Get-User -Filter "DisplayName -eq '$Owner'" | Select-Object PrimarySmtpAddress

}

# Script to take out ManagedBy (Owners)

**IMPORTTANT ISSUES AND RESULUTIONS**

* **If you want to create the exact DL as it is in exchange on-prem you will either have to put a different PrimarySMTPAddress, or you will first have to delete the DL from on-prem as you cannot use the same PrimarySMTPAddress multiple times.**
* **If you go to the deleting option, you will have to note all the details (mentioned above) somewhere if the online DL is not working or anything you can always create it again in On-Prem with the exact details**
* **Also if there are DLs and they have DL’s inside them as members you will also have to migrate those along with DL as if you add the on-prem DL in the newly created one later on when you migrate other ones (create in online) you will most likely delete them from on-prem so the dl which had on-prem DL’s in it will go away**

**Example**

**ON prem DL**

**Test DL**

**Members   
DL 1 (on-prem)**

**Dl 2 (on-prem)**

**Online dl (the replica you created of the above on-prem dl )**

**Test DL**

**Members**

**DL 1 (on-prem)**

**Dl 2 (on-prem)**

**So, the dl is created as a replica online but later on, when you also create a replica of DL 1 and DL 2 and delete them from on-prem, they will disappear from Test DL members so keep that in mind that you will have to migrate those first.**

# **STEPS TO CREATE THE REPLICA DL**

* First, you must create a CSV in which you have the details of DL you want to create.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Display Name | Alias | PrimarySMTPAddress | ManagedBy | Members |
| Test dl | testdl | testdl@domain | User1;user2 | User3;user4 |

**NOTE: you can have as many DL’s as you want to replicate in the csv, and for the members and owners you will have to write their UPN not their display name and if there are multiple members or owners you must insert a semi-colon between them**

* Now open PowerShell in Exchange Online and run the command “Connect-ExchangeOnline”
* Now click the upload button in the powershell and upload the csv you created
* Now run the command

$groups = Import-Csv C:\dl.csv

foreach ($group in $groups) {

$name = $group.Name

$alias = $group.Alias

$managedBy = $group.ManagedBy -split ";"

$members = $group.Members -split ";"

$primarySmtpAddress = $group.PrimarySmtpAddress

New-DistributionGroup -Name $name -Alias $alias -ManagedBy $managedBy -Members $members -PrimarySmtpAddress $primarySmtpAddress

}

Note: You must insert the path of the csv file you uploaded you can do this by running the command “Get-ChildItem” and you will see the path of your csv and you can enter it in the script

* Your DL is not created and you can check if everything is working as planned