

Compare Two Azure/AD/M365 Groups and Print the Results

Compare two AD Groups.

```
$GROUP1=Get-ADGroupMember -Identity "Domain Admins" | select-Object Name
$GROUP2=Get-ADGroupMember -Identity "Enterprise Admins" | select-Object Name

$Comparison=Compare-Object -ReferenceObject $GROUP1.Name -DifferenceObject $GROUP2.Name |
Sort-Object Name

foreach ($i in $Comparison){
    if($i.SideIndicator -eq ">"){
        #Listed in GROUP2 but not in GROUP1
        Write-output "$($i.InputObject) exists in Group 2 but not Group 1"
    }elseif($i.SideIndicator -eq "<="){
        #Listed in GROUP1 but not in GROUP2
        Write-output "$($i.InputObject) exists in Group 1 but not Group 2"
    }
}
```

Compare two Azure groups.

```
Connect-AzureAD

$GROUP1=Get-AzureADGroupMember -ObjectId "c203a90f-0ec1-4c75-85c9-8d6e97f78a60" -All $true |
Select-Object DisplayName, UserPrincipalName
$GROUP2=Get-AzureADGroupMember -ObjectId "2177ea60-e8d6-4dc9-a044-4a1ccec743" -All $true |
Select-Object DisplayName, UserPrincipalName

$Comparison=Compare-Object -ReferenceObject $GROUP1.UserPrincipalName -DifferenceObject
$GROUP2.UserPrincipalName | Sort-Object UserPrincipalName

foreach ($i in $Comparison){
    if($i.SideIndicator -eq ">"){
        #Listed in Group 2 but not in Group 1
```

```
    Write-Output "$($i.InputObject) exists in Group 2 but not Group 1"
  }elseif($i.SideIndicator -eq "<="){
    #Listed in Group 1 but not in Group 2
    Write-Output "$($i.InputObject) exists in Group 1 but not Group 2"
  }
}
```

Compare two Distribution Lists.

Connect-AzureAD

```
$GROUP1=Get-DistributionGroupMember -Identity "iPhone Notifications" | Select-Object Identity,
PrimarySMTPAddress
$GROUP2=Get-DistributionGroupMember -Identity "iPhone Notifications" | Select-Object Identity,
PrimarySMTPAddress

$Comparison=Compare-Object -ReferenceObject $GROUP1.PrimarySMTPAddress -DifferenceObject
$GROUP2.PrimarySMTPAddress | Sort-Object PrimarySMTPAddress

foreach ($i in $Comparison){
  if($i.SideIndicator -eq "=>"){
    #Listed in Group 2 but not in Group 1
    Write-Output "$($i.InputObject) exists in Group 2 but not Group 1"
  }elseif($i.SideIndicator -eq "<="){
    #Listed in Group 1 but not in Group 2
    Write-Output "$($i.InputObject) exists in Group 1 but not Group 2"
  }
}
```

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