This PowerShell script has the objective of adding users to Microsoft Teams using a list of teams and a list of users in CSV format. Here's a detailed explanation of each part of the code:

Text

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#Parameters

$TeamsListPath = "C:\Temp\teamslist.csv"

$AddMemberListPath = "C:\Temp\AddMemberList.csv"

Text

Description automatically generated

* This section defines two parameters:
  + $TeamsListPath and
  + $AddMemberListPath,
* which contain the path to the CSV files that will be used later on in the script.

Try {

#Connect to Microsoft Teams

Connect-MicrosoftTeams

Text

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* The Try block attempts to connect to Microsoft Teams using the:
  + Connect-MicrosoftTeams cmdlet.
* If the connection fails, any errors will be caught by the Catch block.

$TeamsList = Import-Csv -Path $TeamsListPath

$TeamUsers = Import-Csv -Path $AddMemberListPath

Text

Description automatically generated

These lines read the CSV files located at $TeamsListPath and $AddMemberListPath and store the content in variables $TeamsList and $TeamUsers, respectively.

$TeamsList | ForEach-Object {



* This line starts a loop that will iterate over each object in $TeamsList.
* The ForEach-Object cmdlet is used here to loop over the objects and perform an action on each one.

Try {

$TeamID = $\_.GroupID

$TeamDisplayName = $\_.DisplayName

$TeamUsers | ForEach-Object {

Add-TeamUser -GroupId $TeamID -User $\_.Email -Role $\_.Role

Write-host "Added User:"$\_.Email "to team:" $TeamDisplayName -f Green

}

}

Catch {

Write-host -f Red "Error Adding User to the Team:" $\_.Exception.Message

}

Text

Description automatically generated

* Within the ForEach-Object loop, a nested Try-Catch block is used to catch any errors that may occur when adding a user to a team.
  + The $\_.GroupID and
  + $\_.DisplayName
* Are variables used to extract the Group ID and Display Name of the current team being processed.
* For each user in:
  + $TeamUsers, and
  + Add-TeamUser
* These are cmdlets that are called to add the user to the current team with the:
  + -GroupId,
  + -User, and
  + -Role parameters.
* The email address of the user is accessed using $\_.Email, and the role is accessed using $\_.Role.
  + After each user is added to the team, the Write-host cmdlet is used to display a confirmation message.
* If an error occurs when adding a user to a team, the Catch block is executed, and an error message is displayed.

}

Catch {

write-host -f Red "Error:" $\_.Exception.Message

}

Text

Description automatically generated

* Finally, the outer Catch block is used to catch any errors that may occur when connecting to Microsoft Teams or reading the CSV files.
  + If an error occurs, an error message is displayed.

That's the end of the script. It reads in two CSV files containing a list of Teams and a list of Users to be added and then adds the users to their respective Teams while also displaying confirmation messages when users are added and error messages when errors occur.