

PowerShell Quick Reference for Microsoft Teams

[Ver. 1.0.5]

Install Module (PS 5+) Install-Module MicrosoftTeams -Repository PSGallery		List All Teams Get-Team	Complete Cmdlet List Add-TeamUser Connect-MicrosoftTeams Disconnect-MicrosoftTeams Get-CsPolicyPackage Get-CsUserPolicyPackage Get-CsUserPolicyPackageRecommendation Get-Team Get-TeamChannel Get-TeamHelp Get-TeamsApp Get-TeamUser Grant-CsUserPolicyPackage New-Team New-TeamChannel New-TeamsApp Remove-Team Remove-TeamChannel Remove-TeamsApp Remove-TeamUser Set-Team Set-TeamArchivedState Set-TeamChannel Set-TeamsApp
Load Teams PS Module Import-Module MicrosoftTeams -MinimumVersion 1.0.4		Find Single Team Get-Team where {\$_.DisplayName -eq 'IT Department'}	
Connect to Microsoft Teams with PowerShell Connect-MicrosoftTeams		Create Team New-Team -MailNickName 'Marketing' -DisplayName 'Marketing' -Visibility 'Private'	
List all Commands for Teams Get-Command Where {\$_.Source -eq "MicrosoftTeams"}		Remove a Team Remove-Team -GroupId '503b7c56-b15d-4b4c-8cca-09103984b2bb'	
		Modify a Team Set-Team -GroupId '7a4fab2f-6a22-46d0-826b-a167fdc03892' -Visibility 'Public'	
Get-Help	Create New Microsoft Team		
Get-Help <command> Get-Help <command> -Examples Get-Help <command> -Full	New-Team -DisplayName "Marketing Campaign – Big Corp, Inc." New-Team -DisplayName "Project Rebuild" -Description "First project of 2020 (HR)" New-Team -DisplayName "New Test Group" -ShowInTeamsSearchAndSuggestions \$False		
Examples Get-Help New-Team Get-Help New-Team -Examples Get-Help New-Team -Full	Creating New TeamChannel (**) New-TeamChannel -GroupId 933fe926-555a-4832-87d1-8f700736e003 -DisplayName "Campaign Channel" New-TeamChannel -GroupId cfdb387-1319-4f6b-a883-8700046f07e7 -DisplayName "Internal Sales" <i>** GroupId is from the ID of an existing Team. To see the ID's, run Get-Team</i>		
PowerShell Gallery: https://www.powershellgallery.com/packages/MicrosoftTeams/ Documentation: https://docs.microsoft.com/en-us/powershell/module/teams/			
Configuring Team Settings			
Configuring Team Settings (notice the consolidation to the Set-Team cmdlet ... changed from 0.9.4 Beta) Set-Team -GroupId d36f235f-d30e-4460-98a2-5728b906fbfd -GiphyContentRating Strict -AllowStickersAndMemes \$False -AllowCustomMemes \$False Set-Team -GroupId cfdb387-1319-4f6b-a883-8700046f07e7 -AllowCreateUpdateChannels \$True Set-Team -GroupId cfdb387-1319-4f6b-a883-8700046f07e7 -AllowUserDeleteMessages \$False Set-Team -GroupId cfdb387-1319-4f6b-a883-8700046f07e7 -ShowInTeamsSearchAndSuggestions \$False Set-TeamChannel -GroupId cfdb387-1319-4f6b-a883-8700046f07e7 -CurrentDisplayName "Internal Sales" -Description "Sales Channel"			
Verify Settings	Microsoft Teams Cleanup		Cmdlet Notes
Get-Team Get-TeamChannel Get-TeamsApp Get-TeamUser ** Use ' ft' or ' fl' to format your results. **	Remove-Team -GroupId '933fe926-555a-4832-87d1-8f700736e003' Remove-TeamChannel -GroupId cfdb387-1319-4f6b-a883-8700046f07e7 -DisplayName "Internal Sales" Remove-TeamUser -GroupId '933fe926-555a-4832-87d1-8f700736e003' -User <UPN>		Get-Team has no 'GroupId' parameter. In order to get an individual group, use something like this: <i>Get-Team Where {\$_.GroupId -eq '933fe926-555a-4832-87d1-8f700736e003'}</i>

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Simple Microsoft Teams Scenario

Connect to Teams PowerShell in your O365 tenant

```
Connect-MicrosoftTeams -AccountId Admin@ThisIsYourDomain.Com
```

Create new Microsoft Team

```
$Team = New-Team -MailNickName "ProjectX" -DisplayName "ProjectX" -Visibility "Private" -Description "Project X: Experimental Project"
```

Add Team Channels

```
New-TeamChannel -GroupId $Team.GroupId -DisplayName "Production"
```

Add Team members

```
Add-TeamUser -GroupId $Team.GroupId -User "JohnSmith@ThisIsYourDomain.Com"
```

Change the default fun settings for the team

```
Set-Team -GroupId $Team.GroupId -GiphyContentRating Strict -AllowStickersAndMemes $False -AllowCustomMemes $False
```

Set a Team, if private, is searchable

```
Set-TeamPicture -GroupId $Team.GroupId -ShowInTeamsSearchAndSuggestions $True
```

Complex Microsoft Teams Scenario

Connect to Teams PowerShell in your O365 tenant

```
Connect-MicrosoftTeams -AccountId Admin@ThisIsYourDomain.Com
```

Create new Microsoft Team

```
$Marketing = New-Team -MailNickName "ProjectCodeX" -DisplayName "ProjectCodeX" -AccessType "Public" -Description "Marketing Dept. Team"
```

```
$SalesTeam = New-Team -MailNickName "Sales" -DisplayName "Sales" -Visibility "Private" -Description "Sales Dept. Team"
```

```
$ITTeam = New-Team -MailNickName "ITDept" -DisplayName "IT Dept." -Visibility "Private" -Description "IT Dept. Collaboration"
```

```
$ManagementTeam = New-Team -MailNickName "Management" -DisplayName "Management" -Visibility "Private" -Description "Management Team"
```

Add Team Channels

```
New-TeamChannel -GroupId $Marketing.GroupId -DisplayName "2018 Campaign"
```

```
New-TeamChannel -GroupId $SalesTeam.GroupId -DisplayName "Midwest US Region"
```

```
New-TeamChannel -GroupId $SalesTeam.GroupId -DisplayName "West Coast US Region"
```

```
New-TeamChannel -GroupId $SalesTeam.GroupId -DisplayName "East US Region"
```

```
New-TeamChannel -GroupId $ITTeam.GroupId -DisplayName "End User Support"
```

```
New-TeamChannel -GroupId $ManagementTeam.GroupId -DisplayName "Annual Planning"
```

Add Team members

```
$MsolUsers = Get-MsolUser -all
```

```
Foreach ($MsolUser in $MsolUsers) {
```

```
    $Department = $MsolUser.Department
```

```
    $Email = $MsolUser.PrimarySMTPAddress
```

```
    If ($Department -eq 'Marketing') {Add-TeamUser -GroupId $MarketingTeam.GroupId -User $Email}
```

```
    If ($Department -eq 'Sales') {Add-TeamUser -GroupId $SalesTeam.GroupId -User $Email}
```

```
    If ($Department -eq 'IT') {Add-TeamUser -GroupId $ITTeam.GroupId -User $Email}
```

```
    If ($Department -eq 'Management') {Add-TeamUser -GroupId $ManagementTeam.GroupId -User $Email}
```

```
}
```

Change the default fun settings for the team

```
Set-Team -GroupId $MarketingTeam.GroupId -AllowStickersAndMemes $True -AllowCustomMemes $True
```

```
Set-Team -GroupId $SalesTeam.GroupId -AllowStickersAndMemes $True -AllowCustomMemes $True
```

```
Set-Team -GroupId $ITTeam.GroupId -GiphyContentRating Strict -AllowStickersAndMemes $False -AllowCustomMemes $False
```

```
Set-Team -GroupId $ManagementTeam.GroupId -GiphyContentRating Strict -AllowStickersAndMemes $False -AllowCustomMemes $False
```

Set a Team, if private, is searchable

```
Set-Team -GroupId d36f235f-d30e-4460-98a2-5728b906fbfd -ShowInTeamsSearchAndSuggestions $True
```

```
Set-Team -GroupId cfd8a387-1319-4f6b-a883-8700046f07e7 -ShowInTeamsSearchAndSuggestions $False
```

```
Set-Team -GroupId a4d3425f-98b2-420d-a0a0-7c3eff32493f -ShowInTeamsSearchAndSuggestions $True
```

```
Set-Team -GroupId 933fe926-555a-4832-87d1-8f700736e003 -ShowInTeamsSearchAndSuggestions $False
```

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Helpful Tips

Use tab to autocomplete cmdlets

Tab through parameters to see all available

Check for latest module version

Read the latest Microsoft Docs for Teams

Read Teams MVP blogs for more tips



More On PowerShell

Windows PowerShell Blog

<https://devblogs.microsoft.com/scripting/>

Script Center

technet.microsoft.com/scriptcenter

PowerShell Tips of the Week

www.practicalpowershell.com/blog

PowerShell Team – GitHub

<https://github.com/powershell>