



Microsoft Teams PowerShell

Automate. Manage. Optimize.

Teams PowerShell lets you automate management tasks, retrieve reporting data and enforce governance at scale.



Save Time

Automate repetitive tasks and bulk operations.



Gain Insights

Access detailed data for reporting and analysis.



Stay in Control

Enforce governance, security and compliance.



GETTING STARTED

1

Install PowerShell 7+

Download from: <https://aka.ms/powershell>

2

Install Microsoft Teams PowerShell module

```
Install-Module -Name MicrosoftTeams -Scope CurrentUser -Force
```

3

Import the module

```
Import-Module MicrosoftTeams
```

4

Connect to Microsoft Teams

Interactive sign-in (modern authentication)

```
Connect-MicrosoftTeams
```



You'll be prompted to sign in with an account that has the required permissions.



CONNECT OPTIONS

Interactive (default)

Great for admins running commands interactively.

```
Connect-MicrosoftTeams
```

App-only (for automation)

Use an Azure AD app registration with appropriate application permissions.

```
Connect-MicrosoftTeams -ApplicationId <APP_ID> `
-TenantId <TENANT_ID> -CertificateThumbprint <THUMBPRINT>
```



App-only access is ideal for scripts, Azure Automation and CI/CD pipelines.



WHAT CAN YOU DO?



Manage Teams

Create, update, archive, delete and configure teams at scale.



Manage Channels

Create, update, delete and configure team channels.



Manage Members

Add, remove and list team owners and members.



Manage Settings

Configure team settings, policies and governance options.



Reporting & Insights

Retrieve usage, activity and inventory data for reporting.



Governance & Security

Enforce naming policies, external access, retention and more.



EXAMPLE COMMANDS

List all teams

```
Get-Team
```

Create a team

```
New-Team -DisplayName "Project Phoenix" -Description "Project team" -Visibility Private
```

Add a member to a team

```
Add-TeamUser -GroupId <TeamId> -User <UserPrincipalName> -Role Member
```

List team channels

```
Get-TeamChannel -GroupId <TeamId>
```

Get team usage report

```
Get-TeamsUserActivityReport -Date (Get-Date).AddDays(-7)
```

Export teams to CSV

```
Get-Team | Select DisplayName, GroupId, Visibility | Export-Csv -Path .\Teams.csv -NoTypeInformation
```



REMOVE A CHANNEL

Remove a standard channel

```
Remove-TeamChannel -GroupId <TeamId> -DisplayName "Channel Name"
```

Remove a private channel

```
Remove-TeamChannel -GroupId <TeamId> -DisplayName "Private Channel Name" `
-Force
```



This permanently deletes the channel and all its conversations and files. A channel cannot be recovered.



COMMON CMDLETS (CHEAT SHEET)

Category	Examples
Teams	Get-Team, New-Team, Set-Team, Remove-Team
Channels	Get-TeamChannel, New-TeamChannel, Set-TeamChannel, Remove-TeamChannel
Members	Get-TeamUser, Add-TeamUser, Remove-TeamUser, Set-TeamUser
Settings	Get-TeamSettings, Set-TeamSettings, Get-TeamGuestSettings, Set-TeamGuestSettings
Policies	Get-TeamPolicy, Set-TeamPolicy
Reports	Get-TeamsUserActivityReport, Get-TeamDeviceUsageUserDetail, Get-TeamWorkloadUserDetail
Meetings	Get-CsOnlineMeeting, New-CsOnlineMeetingPolicy



LEARN MORE



Microsoft Teams PowerShell documentation

<https://learn.microsoft.com/powershell/teams/>



Teams PowerShell release notes

<https://learn.microsoft.com/powershell/teams/release-notes>



Microsoft Graph PowerShell

<https://learn.microsoft.com/powershell/microsoftgraph/overview>



PowerShell + Microsoft Teams = Better Together

Automate today. Empower your organization tomorrow.