



Microsoft Teams Governance 101

@magnus_sandtory
Solution Architect, ATER

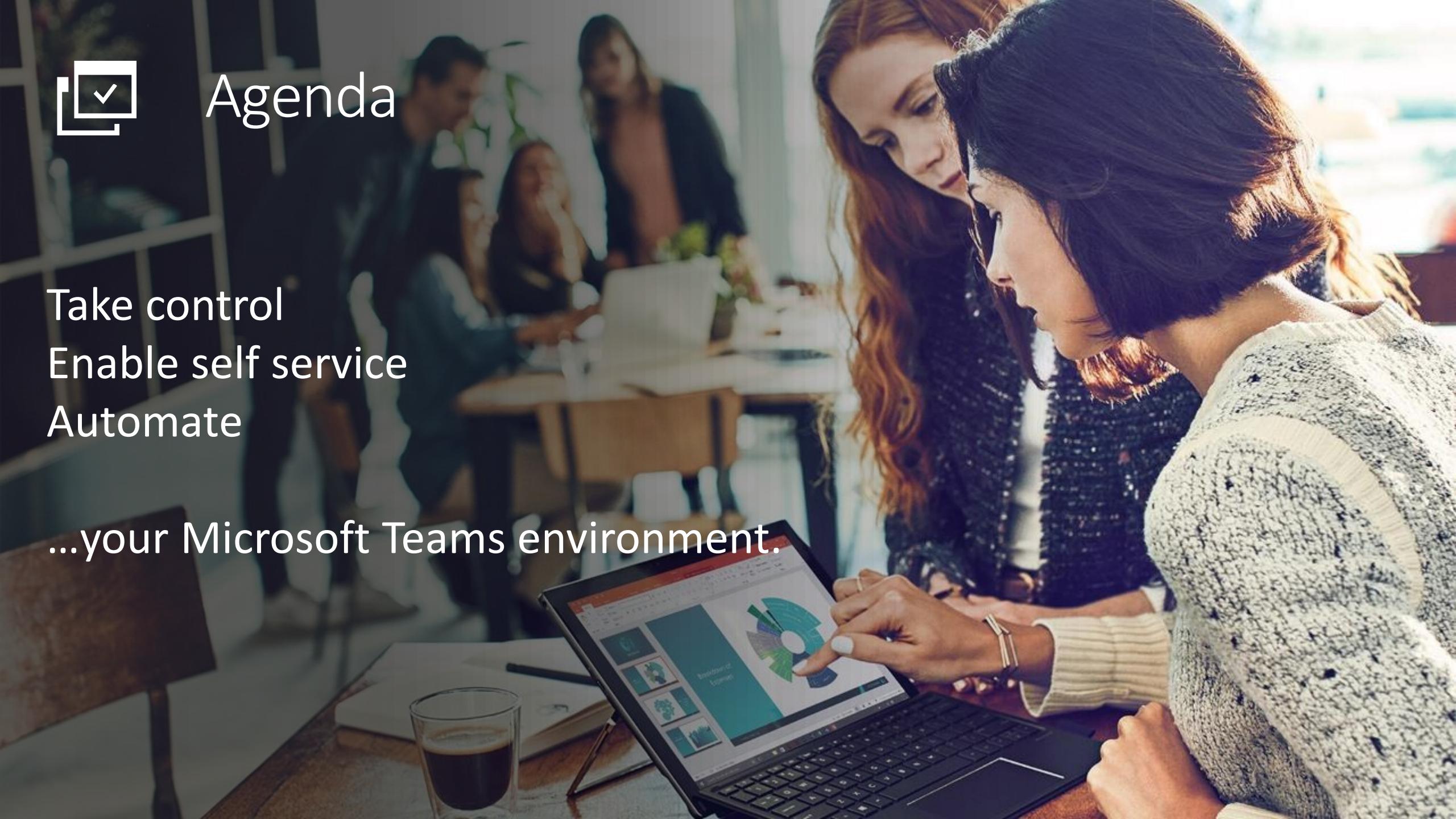




Agenda

Take control
Enable self service
Automate

...your Microsoft Teams environment.



Limit group creation

A Allowedtocreategroups Security group

Add a group

Type

Security group

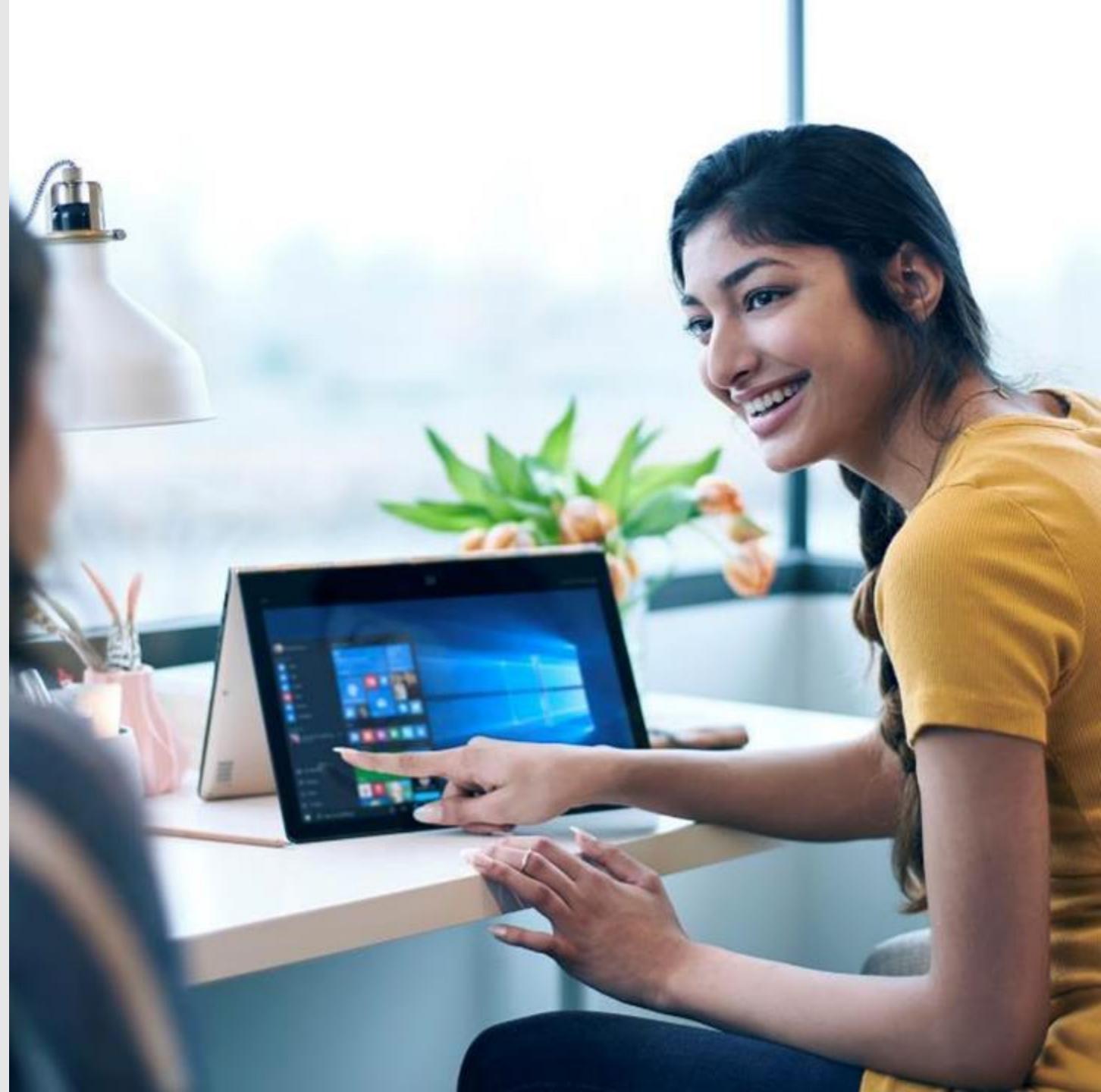
Name *

Allowedtocreategroups

Description

Members of this security group can create Office 365 groups.

Add Cancel



AllowedToCreateGroups.ps1 

```
1 $GroupName = "AllowedToCreateGroups"
2 $AllowGroupCreation = "False"
3
4 Connect-AzureAD
5
6 $settingsobjectID = (Get-AzureADDirectorySetting | where-object -Property DisplayName -Value "Group.Unified" -EQ).id
7 if(!$settingsobjectID)
8 {
9     $template = Get-AzureADDirectorySettingTemplate | where-object {$_.displayname -eq "group.unified"}
10    $settingsCopy = $template.CreateDirectorySetting()
11    New-AzureADDirectorySetting -DirectorySetting $settingsCopy
12    $settingsobjectID = (Get-AzureADDirectorySetting | where-object -Property DisplayName -Value "Group.Unified" -EQ).id
13 }
14
15 $settingsCopy = Get-AzureADDirectorySetting -Id $settingsobjectID
16 $settingsCopy["EnableGroupCreation"] = $AllowGroupCreation
17
18 if($GroupName)
19 {
20     $settingsCopy["GroupCreationAllowedGroupId"] = (Get-AzureADGroup -SearchString $GroupName).Objectid
21 }
22
23 Set-AzureADDirectorySetting -Id $settingsobjectID -DirectorySetting $settingsCopy
24
25 (Get-AzureADDirectorySetting -Id $settingsobjectID).values
```

PS C:\Users\Magnus>



Activity



...



Fyll | Teams requests



Teams requests

Hi Magnus, when you submit this form, the owner will be able to see your name and email address.

* Required

1. Team type *

- Project team
- Collaboration team
- Collaboration team [INTERNAL]
- Retail store template

2. Team name *

Enter your answer

3. Team description (ie. purpose)

Enter your answer



Teams.rocks

Public group



Home

Conversations

Documents

Notebook

Pages

Team requests

Site contents

Recycle bin

Edit

+ New ▾

Site usage

Site v

Contents

Subsites

Name	Type
Documents	Document library
Form Templates	Document library
Site Assets	Document library
Style Library	Document library
Teams Wiki Data	Document library
Team requests	List
Site Pages	Page library

Create list

Name *

Team requests

Description

List for team requests

 Show in site navigation

Create

Cancel



Teams.rocks

Public group

★ Following

6 members

Search

New

Export to Excel

Quick edit

PowerApps

Flow

...

All Items*

Home

Conversations

Documents

Notebook

Pages

Team requests

Site contents

Recycle bin

Edit

Team requests

Title

Team type

Description

Requestor/Owner

Status

alias



← Record form responses in SharePoint

Save Flow Checker Test

Home

Approvals

My flows

Templates

Connectors

Data

Solutions

Get user profile (V2)

Create item

* Site Address: Teams.rocks - https://teamsrocks.sharepoint.com/sites/Teams.rocks

* List Name: Team requests

* Title: Team name

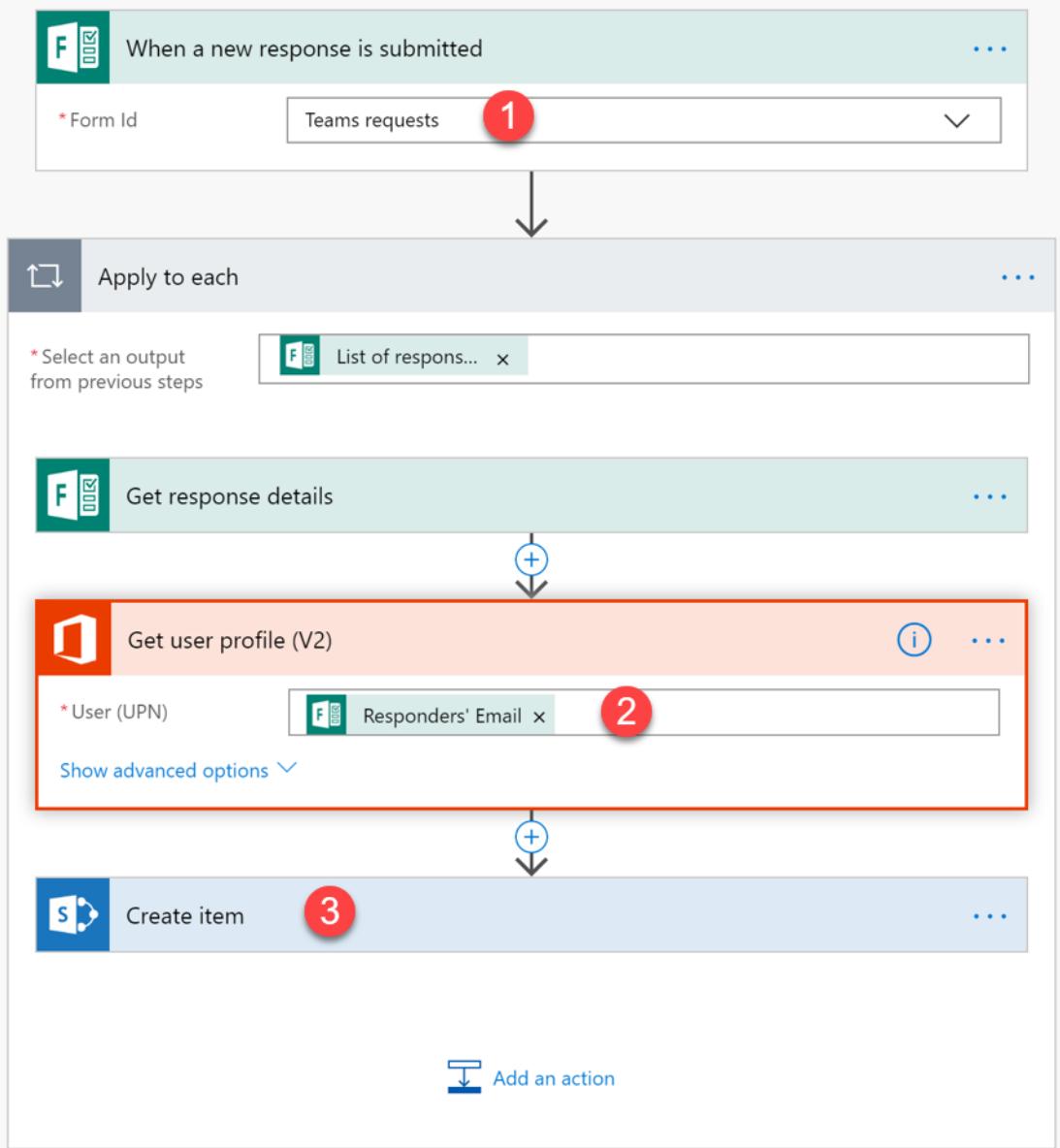
* Team type: Team type

* Status: Pending

Description: Team description (i.e. purpose)

Requestor/Owner Claims alias: User Principal ...

Show advanced options



Search or type a command

MT

Activity

Chat

Teams

Meetings

Files

...

Get app

Store

Help

SharePoint

Search

1

?

Tr Teams.rocks > General ...

Conversations Files Fyll | Teams requests +

Org-wide

Teams requests

Hi Magnus, when you submit this form, the owner will be able to see your name and email address.

* Required

1. Team type *

- Project team
- Collaboration team
- Collaboration team [INTERNAL]
- Retail store template

2. Team name *

Enter your answer

3. Team description (ie. purpose)

Tr Teams.rocks

Public group

+ New Export to Excel Quick edit PowerApps ...

All Items

Team requests

Title	Team type	Description	Status
[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]

Click New to add items



Teams.rocks

★ Following

Public group

6 members



Search

+ New

Export to Excel

Quick edit

PowerApps

Flow

...

All Items*



Home

Conversations

Documents

Notebook

Pages

Team requests

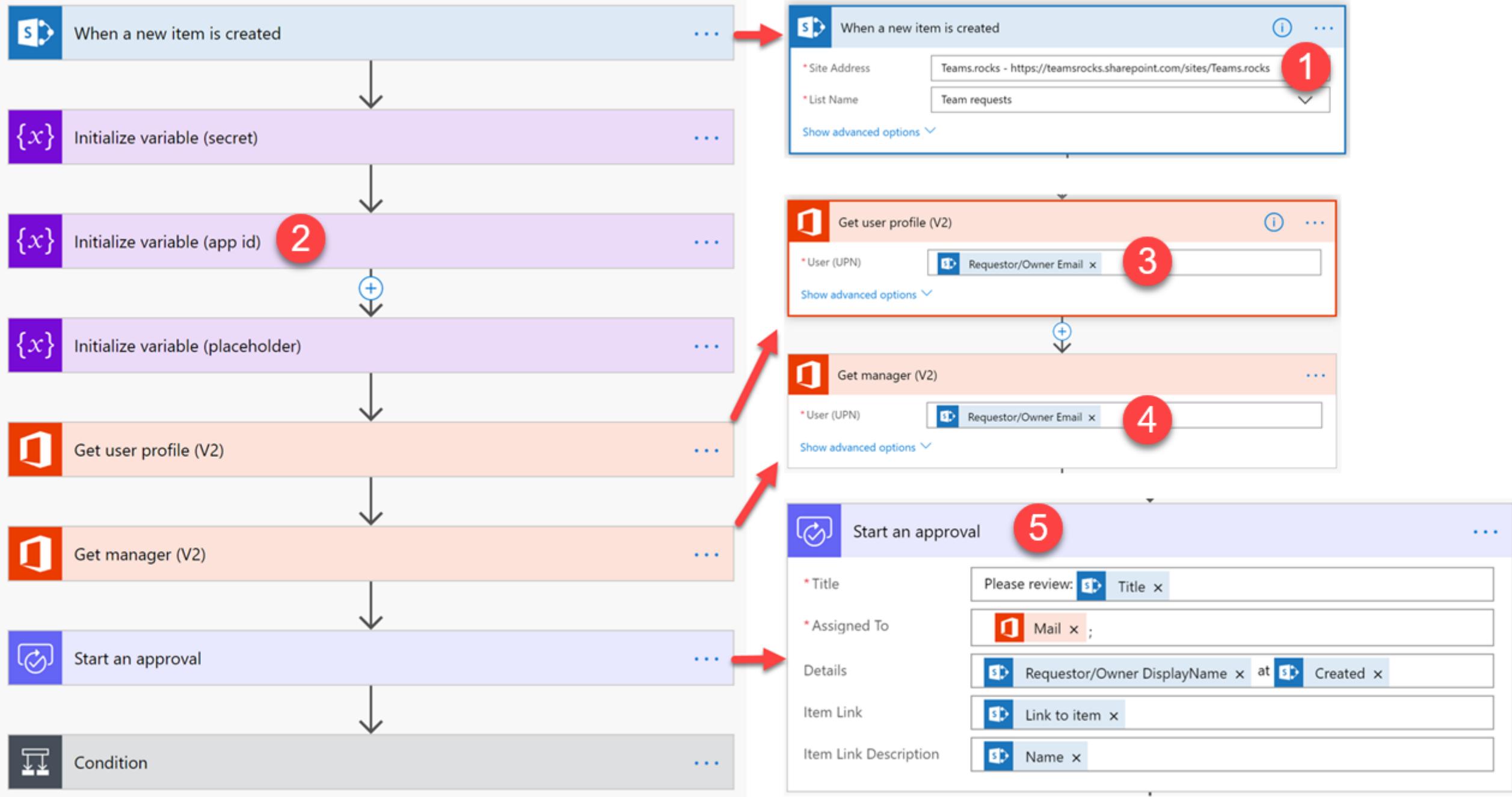
Site contents

Recycle bin

Edit

Team requests

Title	Team type	Description	Status	Requestor/Owner	alias
Project X	Project team	Team for Project X	Pending	Magnus Sandtorv	





Microsoft Flow
Sun 31-Mar-19 20:16
Magnus Sandtorv ▾



Approvals | Powered by Microsoft Flow

Pending approval

Requested by **Magnus Sandtorv** <magnum@teams.rocks>

Date Created: Sunday, March 31, 2019 6:16 PM GMT

Details: Magnus Teacher at 2019-03-31T12:11:49Z

Link: CollabNoGuests

Approve ▼

Reject ^

This team is redundant, please instead request to join team XYZ.

Submit

Get the Flow app to receive push notifications and grant approvals from anywhere. Learn more

This message was created by an automated workflow in Microsoft Flow. Do not reply. Microsoft Corporation 2019.

Condition

Response x is equal to Approve 1

Edit in advanced mode Collapse condition

✓ If yes



✗ If no

Inform item creator of rejection 2

To: Requestor/Ow... ;

Subject: Item: Title x rejected

Body: Your request for Title x has been rejected by Approver Name x . Comments (if any): Comments x

Show advanced options ▾

+ ↴ 3

Update item

* Site Address: Teams.rocks - https://teamsrocks.sharepoint.com/sites/Teams.rocks

* List Name: Team requests

* Id: ID x

* Title: Title x

* Team type: Team type x

* Status: Rejected

Description:

Requestor/Owner Claims alias: shortname, alias or mailNickname for the underlying group

Show advanced options ▾

Condition

Response is equal to Approve

If yes

Inform item creator of approval

- *To Requestor/Ow... ;
- *Subject Item: Title x approved
- *Body Your request for Title x has been approved by Approver Name x . Comments (if any): Comments x

Show advanced options ▾

If no

Post a message as the Flow bot to a channel (Preview)

- *Team Teams.rocks
- *Channel Approvals
- Message Title x requested by Requestor/Owner DisplayName x was approved by Approver Name x

Switch

Add an action

Teams.rocks > Approvals ...

Conversations Files Wiki +

Flow 3/22 1:25 PM
Project team 1 requested by Magnus Teacher was approved by Magnus Sandtorv
Magnus Sandtorv (magnus@teams.rocks) used Microsoft Flow to automate this notification. Learn more

Reply

Teamify Group

<https://graph.microsoft.com/v1.0/groups>

Clone

<https://graph.microsoft.com/v1.0/teams/{groupId}/clone>

Template

<https://graph.microsoft.com/beta/teams>

Switch

* On

Team type

Case

* Equals

Project team



HTTP

* Method POST

* URI

Headers

Queries

Body

Cookie Enter HTTP cookie

* Authentication Active Directory OAuth

Authority https://login.microsoft.com

* Tenant Approver Tenant Id

* Audience https://graph.microsoft.com

* Client ID {x} app_id

* Credential Type Secret

* Secret {x} secret

Hide advanced options ^

{x} Initialize variable (secret)

{x} Initialize variable (app id)

Dashboard > Teams.rocks - App registrations > Graph_from_Flow - Certificates & secrets

Graph_from_Flow - Certificates & secrets

Overview Quickstart

Manage

- Branding
- Authentication
- Certificates & secrets
- API permissions
- Expose an API
- Owners
- Manifest

Certificates

Certificates can be used as secrets to prove the application's identity when requesting tokens at a web addressable location (using an HTTPS scheme). For added assurance, we recommend using a certificate (instead of a client secret) as a credential.

Also can be referred to as public keys.

Upload certificate

THUMBPRINT	START DATE	EXPIRES
No certificates have been added for this application.		

Client secrets

A secret string that the application uses to prove its identity when requesting tokens at a web addressable location (using an HTTPS scheme). For added assurance, we recommend using a certificate (instead of a client secret) as a credential.

Also can be referred to as application password.

New client secret

DESCRIPTION	EXPIRES	VALUE
Graph from Flow app secret	3/22/2024	U1d*****

NewCollabTeam ...

Template team - DO NOT TOUCH

Members Pending Requests Channels **Settings** Apps

► Team picture

Add a team picture

► Member permissions

Enable channel creation, adding apps, and more

▼ Guest permissions

Enable channel creation

Allow creating and updating channels

Allow guests to delete channels

▼ @mentions

Choose who can use @team and @channel mentions

Show members the option to @team or @[team name] (this will send a notification to everyone on the team)

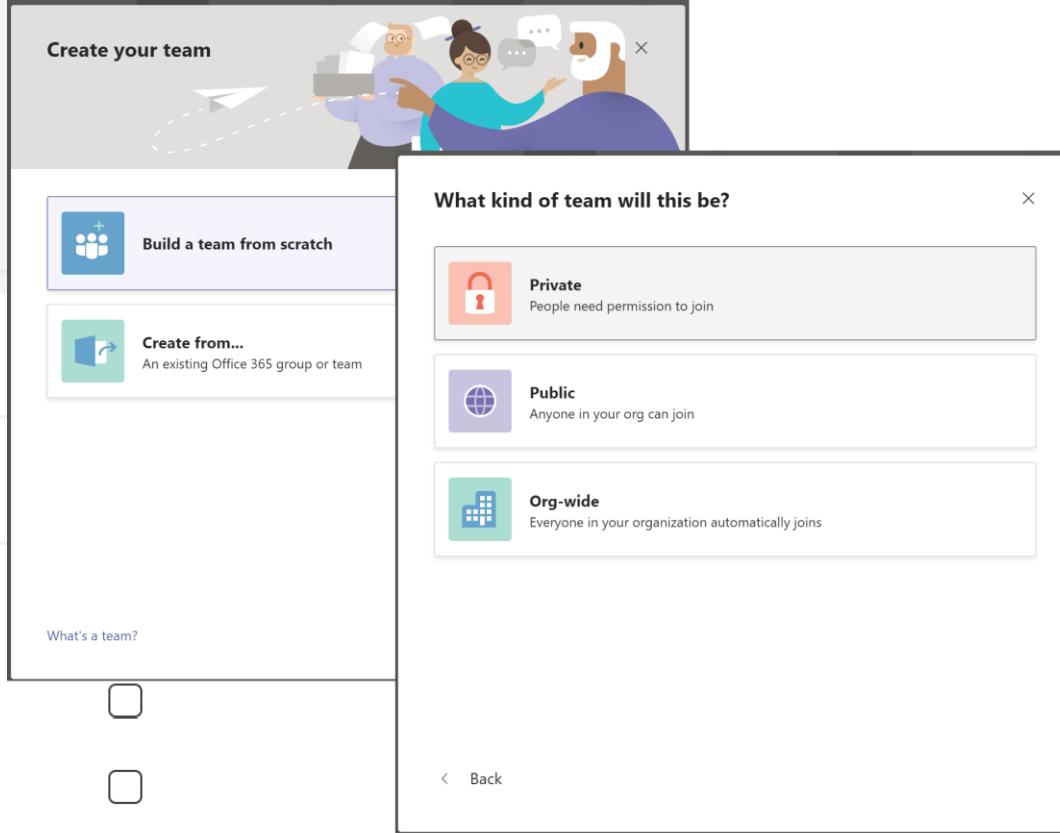
Give members the option to @channel or @[channel name]. This will notify everyone who's shown the mentioned channel in their channel lists.

► Team code

Share this code so people can join the team directly - you won't get join requests

► Fun stuff

Allow emoji, memes, GIFs, or stickers



Case

* Equals

Project team

...

HTTP

Method: POST

URI: https://graph.microsoft.com/v1.0/teams/74bacc8d-dd90-4b5a-aba2-72cf9c044eea/clone

Headers: content-type: application/json

Queries: Enter key | Enter value

Body:

```
{  
    "displayName": "Title",  
    "description": "Description",  
    "mailNickname": "P-Title",  
    "partsToClone": "apps,tabs,channels,settings",  
    "visibility": "private"  
}
```

N NewProjectTeam ...
Template for project team - DO NOT TOUCH!

Members Pending Requests Channels Settings Apps

Search for members Q

Owners (1)

Name

Magnus Sandtorv

Members and guests (0)

HTTP

POST /teams/{id}/clone
Content-Type: application/json

```
{  
    "displayName": "Library Assist",  
    "description": "Self help community for library",  
    "mailNickname": "libassist",  
    "partsToClone": "apps,tabs,settings,channels,members",  
    "visibility": "public"  
}
```

NewProjectTeam ...
Template for project team - DO NOT TOUCH!

Pending Requests Channels Settings Apps

Headers content-type application/json

Enter key Enter value

search for members Q

Owners (1)

mailNickname String
The mail alias for the group, unique in the organization. This property must be specified when a group is created. Supports \$filter. If this property is not specified, it will be computed from the displayName. Known issue: this property is currently ignored.

```
"description": "Description x",  
"mailNickname": "P- Title x",  
"partsToClone": "apps,tabs,channels,settings",  
"visibility": "private"  
}
```

*Method

POST

*URI

https://graph.microsoft.com/beta/teams

Headers

content-type	application/json
Enter key	Enter value

Queries

Enter key	Enter value
-----------	-------------

Body

```
{
  "template@odata.bind": "https://graph.microsoft.com/beta/teamsTemplates('standard')",
  "visibility": "Private",
  "displayName": "S Title x",
  "description": "S Description x",
  "channels": [
    {
      "displayName": "Explore 🎯",
      "isFavoriteByDefault": true,
      "description": "Channel for training and exercising a growth mindset.",
      "tabs": [
        {
          "teamsApp@odata.bind": "https://graph.microsoft.com/v1.0/appCatalogs/teamsApps('com.microsoft.teamspace.tab.web')",
          "name": "#TP2B",
          "configuration": {
            "contentUrl": "https://www.atea.com/"
          }
        }
      ]
    },
    {
      "displayName": "Issues and Feedback 🚧",
      "description": "Submit your bugs here."
    }
  ],
  "memberSettings": {
    "allowCreateUpdateChannels": true
  }
}
```

1

2

3

4

5

"allowDeleteChannels": false,
"allowAddRemoveApps": true,
"allowCreateUpdateRemoveTabs": true,
"allowCreateUpdateRemoveConnectors": true
},
"guestSettings": {
 "allowCreateUpdateChannels": false,
 "allowDeleteChannels": false
},
"funSettings": {
 "allowGiphy": true,
 "giphyContentRating": "Moderate",
 "allowStickersAndMemes": true,
 "allowCustomMemes": true
},
"messagingSettings": {
 "allowUserEditMessages": true,
 "allowUserDeleteMessages": true,
 "allowOwnerDeleteMessages": true,
 "allowTeamMentions": true,
 "allowChannelMentions": true
},
"installedApps": [
 {
 "teamsApp@odata.bind": "https://graph.microsoft.com/v1.0/appCatalogs/teamsApps('com.microsoft.teamspace.tab.vsts')"
 },
 {
 "teamsApp@odata.bind": "https://graph.microsoft.com/v1.0/appCatalogs/teamsApps('1542629c-01b3-4a6d-8f76-1938b779e48d')"
 }
],
"owners@odata.bind": [
 "https://graph.microsoft.com/beta/users('1 Id x ')"
]



Assignments



New assignment

Saved: May 24, 10:47 AM

DiscardSaveAssign

Assign to

Biology 1st Period



All students



Date due

Sat, May 25, 2019



Time due

11:59 PM



Title

Assignment about Salmon farming

Homework X

 Schedule to assign later No Late turn-in allowed Yes Points Yes

100

Instructions



Discuss Salmon farming and its effect on the environment.

Rubric

Add rubric

Resources



Assignment.docx

Students edit their own copy





HTTP 4



...

* Method

POST



* URI

https://graph.microsoft.com/beta/teams

Headers

content-type	application/json	X	
Enter key	Enter value		

Queries

Enter key	Enter value	
-----------	-------------	--

Body

```
{  
    "template@odata.bind":  
        "https://graph.microsoft.com/beta/teamsTemplates/retailStore",  
        "displayName": "  Title X ",  
        "description": "  Description X ",  
        "owners@odata.bind": [  
            "https://graph.microsoft.com/beta/users('  Id X ')"  
        ]  
}
```

<https://docs.microsoft.com/en-us/microsoftteams/get-started-with-teams-templates>



Your teams

Teams.rocks



General

Approvals

Hidden teams

Teams.rocks > General ...

Conversations Files Fyll | Teams requests +

Org-wide



Teams requests

Hi Magnus, when you submit this form, the owner will be able to see your name and email address.

* Required

1. Team type *

- Project team
- Collaboration team
- Collaboration team [INTERNAL]
- Retail store template

2. Team name *

Enter your answer

3. Team description (ie. purpose)



Join or create a team



<

Dashboard > Groups - Naming policy (Preview)

Groups - Naming policy (Preview)

Teams.rocks - Azure Active Directory

Dashboard

All services

FAVORITES

Azure Active Directory

Users

Enterprise applications

 Groups 1

All groups

Deleted groups

Settings

General

Expiration

 Naming policy (Preview) 2

Activity

Access reviews

Audit logs

Troubleshooting + Support

Troubleshoot

New support request

Save

Discard

Delete policy

[Blocked words](#) [Group naming policy](#)

Group naming policy

The Office 365 groups naming policy allows you to add a specific prefix and/or suffix to the group name and alias of any Office 365 group created by users. For example:

<Finance> <group> <Seattle>

Current policy

<Group name>

Delete



ADD PREFIX



Attribute



Select another prefix

Select type

Department

Company

Office

StateOrProvince

CountryOrRegion

Title

Delete



ADD SUFFIX



Select the type of suffix

Groups - Expiration

Contoso - Azure Active Directory

All groups

Deleted groups

Settings

General

Expiration 1

Naming policy (Preview)

Activity

Access reviews

Audit logs

Troubleshooting + Support

Troubleshoot

New support request

<

Save

Discard



Renewal notifications are emailed to group owners 30 days, 15 days, and one day prior to group expiration. Group owners must have Exchange licenses to receive notification emails. If a group is not renewed, it is deleted along with its associated content from sources such as Outlook, SharePoint, Teams, and PowerBI.

* Group lifetime (in days) i 180

2

* Email contact for groups with no owners i magnus@teams.rocks



Enable expiration for these Office 365 groups i All Selected None

Select Office 365 groups >

PX

Project X

...

```
1 # prepare settings
2 $template = Get-AzureADDirectorySettingTemplate | ? {$_['displayname'] -eq "group.unified.guest"}
3 $settingsCopy = $template.CreateDirectorySetting()
4 $settingsCopy["AllowToAddGuests"] = $False
5
6 # fetch groups
7 $groupIDs = Get-UnifiedGroup -Identity "INTERNAL-" | Select-Object -ExpandProperty ExternalDirectoryObjectId
8
9 Foreach ($groupID in $groupIDs) {
10     New-AzureADObjectSetting -TargetType Groups -TargetObjectId $groupID -DirectorySetting $settingsCopy
11 }
```

The screenshot shows the Microsoft Teams application interface. At the top, there's a navigation bar with icons for Activity, Chat, Teams, Meetings, and Calls. The main area shows a team named "Super Secret Team" with a "General" channel selected. A modal window titled "Request to add members to Super Secret Team" is open, prompting the user to "Type a name or email, then send your request to the team owner." An input field contains the email "anyone@gmail.com". Below the input field, a message says "We didn't find any matches." The background shows other team channels like "Teams.rocks", "General", "Approvals", "My retail store", "General", "Learning", and "Shifts handoff".

Manage teams

[Create a team](#)

Active (4)

Name	Description	Membership	People	Type
Iw	INT-I wanna sleeeeeep	Member	2	
Mr	My retail store	Owner	1	
SS	Super Secret Team	Member	2	
Tr	Teams.rocks	Member	6	

Archived (1)

Name	Description	Membership	People	Type
ES	Exp_1905_Natural Science 101	Owner	0	



School Data Sync

Student Information System

Class Rosters

Students

Teachers

Classes

Automatic group and class site creation

Class info



Azure Active Directory
& Office 365

Sync tools for School IT

SSO
Class info
Edu API



Microsoft Teams

OneNote

Microsoft Intune

3rd Party Apps

Powering an Education Aware Platform



Summary



Take control
Enable self service
Automate



Thank You!

Platinum



Microsoft

Gold

audiocodes



@magnus_sandtorv

Silver

au2mator

pexip

Jabra

logitech