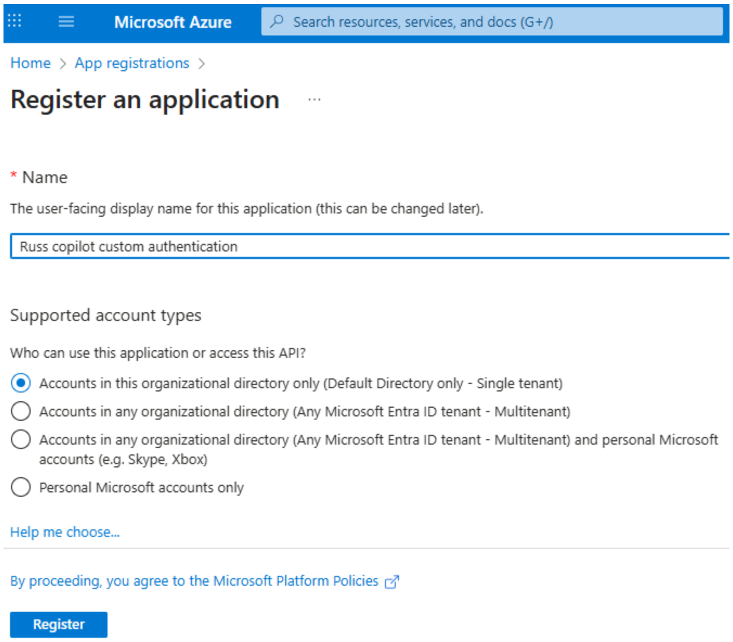
# Single Sign On (SSO) with Microsoft Teams and CoPilot

**In this project, I will deploy a SSO using Copilot and Microsoft Teams.**

- **Log into your [www.portal.azure.com](www.portal.azure.com) account**
- **Search for “App Registration”**
- **Click to add “New Registration”**
- **Name the registration and leave the rest as it is. Then click “Register”**



Microsoft Azure
Search resources, services, and docs (G+/)
Home > App registrations >

Register an application

* Name

The user-facing display name for this application (this can be changed later).

Russ copilot custom authentication

Supported account types

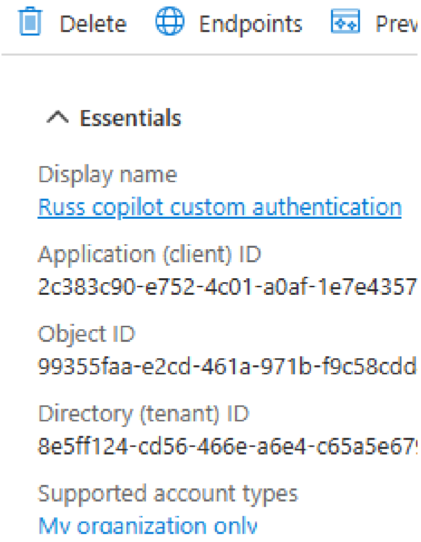
Who can use this application or access this API?

● Accounts in this organizational directory only (Default Directory only - Single tenant)
○ Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant)
○ Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
○ Personal Microsoft accounts only

Help me choose...

By proceeding, you agree to the Microsoft Platform Policies

- The click “Overview” and copy the “application client ID” that will be used in Copilot app configuration



Display name
Russ copilot custom authentication

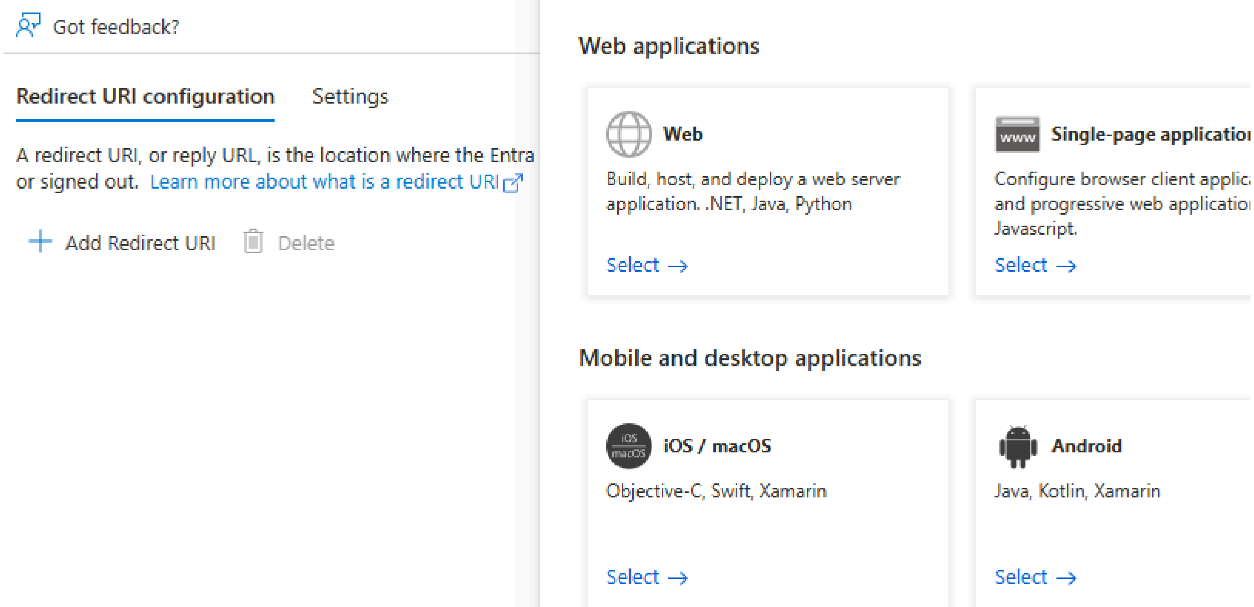
Application (client) ID
2c383c90-e752-4c01-a0af-1e7e4357

Object ID
99355faa-e2cd-461a-971b-f9c58cdd

Directory (tenant) ID
8e5ff124-cd56-466e-a6e4-c65a5e67

Supported account types
My organization only

- In the “Overview” tab on the right, click the “Redirect URL configuration" and “Add redirect URL”. Then click “Web”



Got feedback?

Redirect URI configuration | Settings

A redirect URI, or reply URL, is the location where the Entra
or signed out. Learn more about what is a redirect URI

+ Add Redirect URI | Delete

Web applications

**Web**
Build, host, and deploy a web server application. .NET, Java, Python
Select →

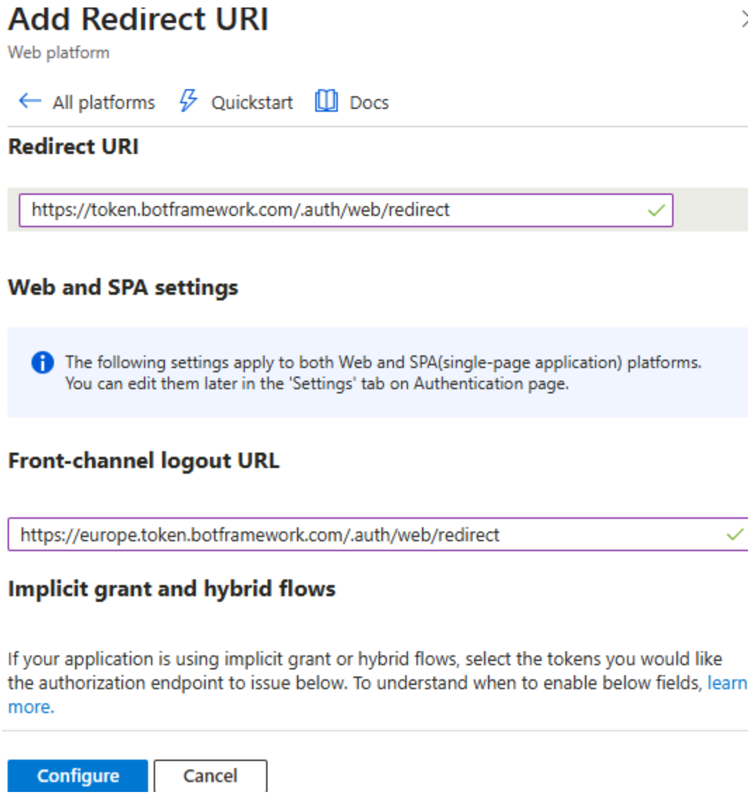
**Single-page applicatio**
Configure browser client applic
and progressive web applicatio
Javascript.
Select →

Mobile and desktop applications

**iOS / macOS**
Objective-C, Swift, Xamarin
Select →

**Android**
Java, Kotlin, Xamarin
Select →

-
- In the URL field type: https://token.botframework.com/.auth/web/redirect
- For “front channel logout URL” type: https://europsetoken.botframework.com/.auth/web/redirect. Then select checkboxes or access token and ID token and “Configure”



Add Redirect URI

Web platform

← All platforms | Quickstart | Docs

**Redirect URI**

https://token.botframework.com/.auth/web/redirect ✓

**Web and SPA settings**

The following settings apply to both Web and SPA(single-page application) platforms. You can edit them later in the 'Settings' tab on Authentication page.

**Front-channel logout URL**

https://europe.token.botframework.com/.auth/web/redirect ✓

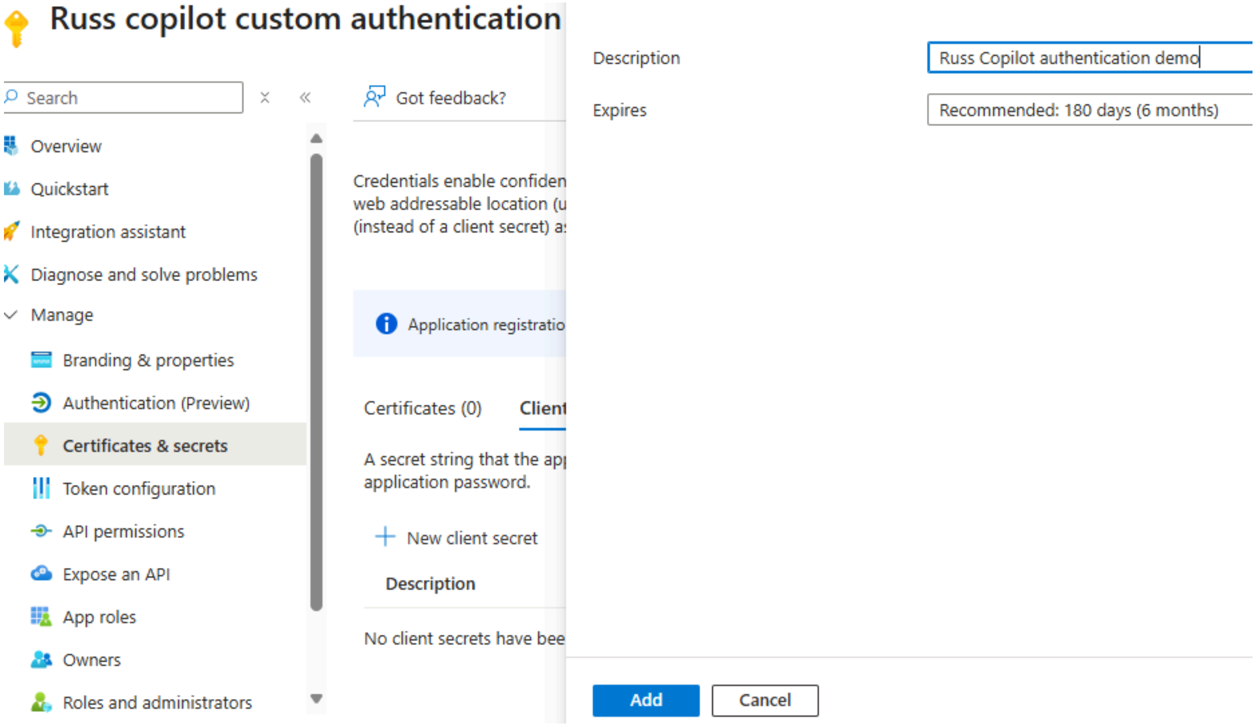
**Implicit grant and hybrid flows**

If your application is using implicit grant or hybrid flows, select the tokens you would like the authorization endpoint to issue below. To understand when to enable below fields, learn more.

Configure | Cancel

-
- Next, click on “Certificates and secrets” and “Add new client secret”
- Name the secret and click to add

-



Credentials enable confiden
web addressable location (u
(instead of a client secret) a

A secret string that the ap
application password.

Description

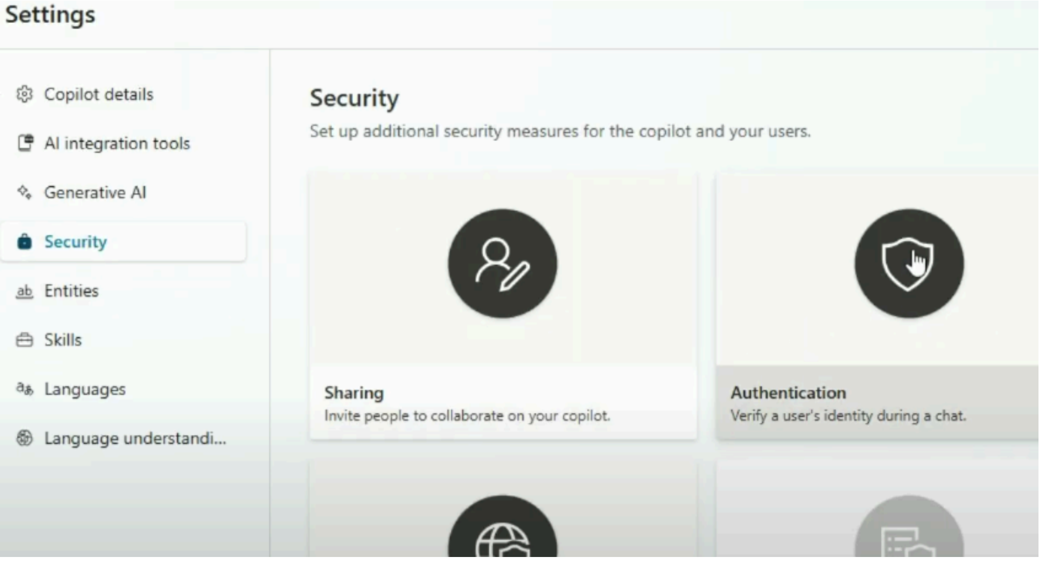
No client secrets have bee

Description: Russ Copilot authentication demo

Expires: Recommended: 180 days (6 months)

-

- Open another browser tab and navigate to: [copilotstudio.microsoft.com](copilotstudio.microsoft.com) and log in
- Go to “Settings”, “Security” and “Authentication”.

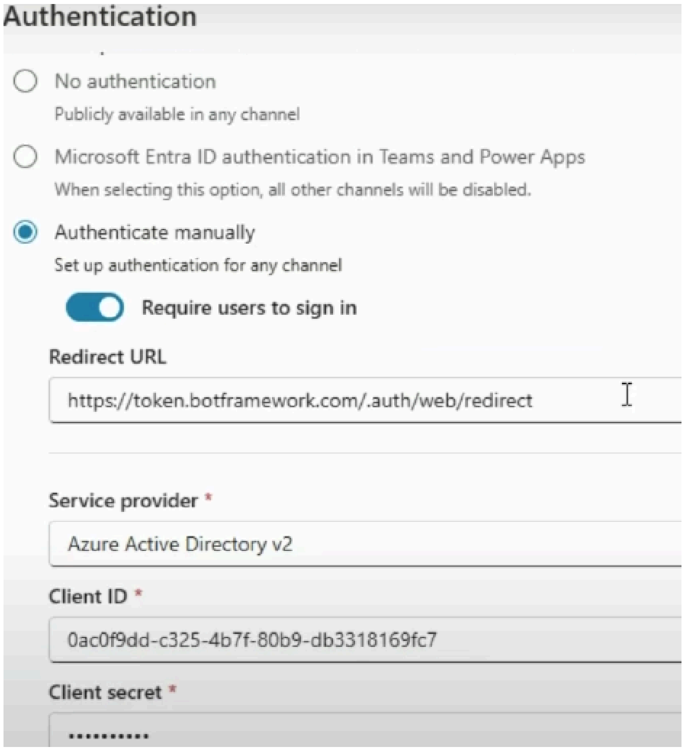


Set up additional security measures for the copilot and your users.

Invite people to collaborate on your copilot.

Verify a user's identity during a chat.

- Next fill in the fields using the ID's we copied earlier making sure to select "authenticate manually" and the service provider is "Azure Active Directory".Click "save"



Authentication

○ No authentication
Publicly available in any channel

○ Microsoft Entra ID authentication in Teams and Power Apps
When selecting this option, all other channels will be disabled.

● Authenticate manually
Set up authentication for any channel

Require users to sign in

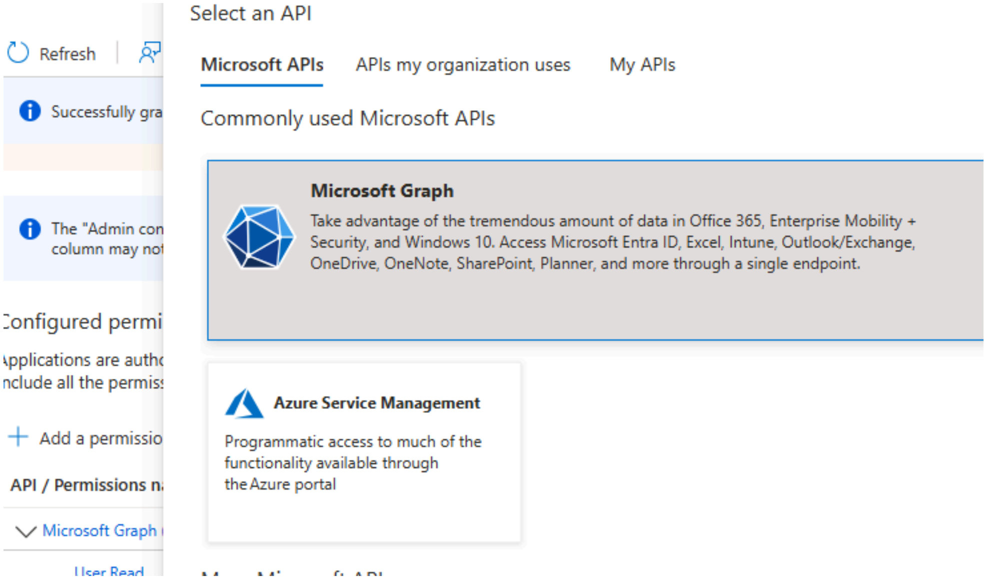
Redirect URL
https://token.botframework.com/.auth/web/redirect

Service provider *
Azure Active Directory v2

Client ID *
0ac0f9dd-c325-4b7f-80b9-db3318169fc7

Client secret *
••••••••••

- Go back to your portal.azure.com tab and click "API Permissions". Click to "Grant admin consent to default directory"
- Next, click "Add permission" and "Microsoft Graph"



Select an API

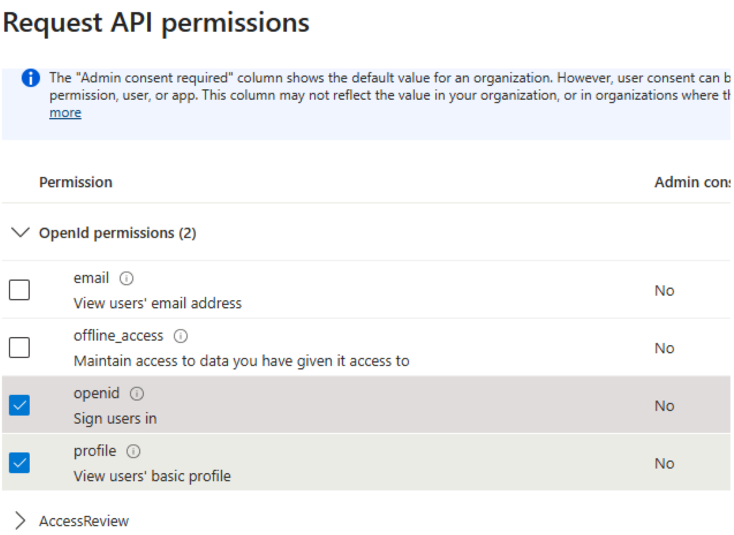
Microsoft APIs | APIs my organization uses | My APIs

Commonly used Microsoft APIs

Microsoft Graph
Take advantage of the tremendous amount of data in Office 365, Enterprise Mobility + Security, and Windows 10. Access Microsoft Entra ID, Excel, Intune, Outlook/Exchange, OneDrive, OneNote, SharePoint, Planner, and more through a single endpoint.

Azure Service Management
Programmatic access to much of the functionality available through the Azure portal

-
- Select "Delegated Permissions" and add "OpenID" and "profile"



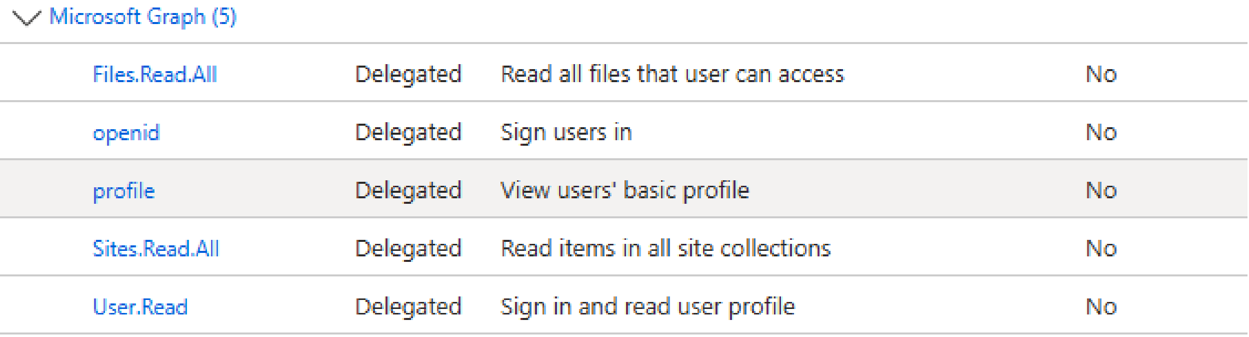
### Request API permissions

The "Admin consent required" column shows the default value for an organization. However, user consent can b permission, user, or app. This column may not reflect the value in your organization, or in organizations where th more

| | Permission | Admin con: |
|---|---|---|
| | OpenId permissions (2) | |
| ☐ | email<br>View users' email address | No |
| ☐ | offline_access<br>Maintain access to data you have given it access to | No |
| ☑ | openid<br>Sign users in | No |
| ☑ | profile<br>View users' basic profile | No |

AccessReview

- 
- Now, search and add “Files.Read.All”, “Sites.Read.All” and “User.Read” and “Update Permissions”
- You will then see them listed all in the permissions table

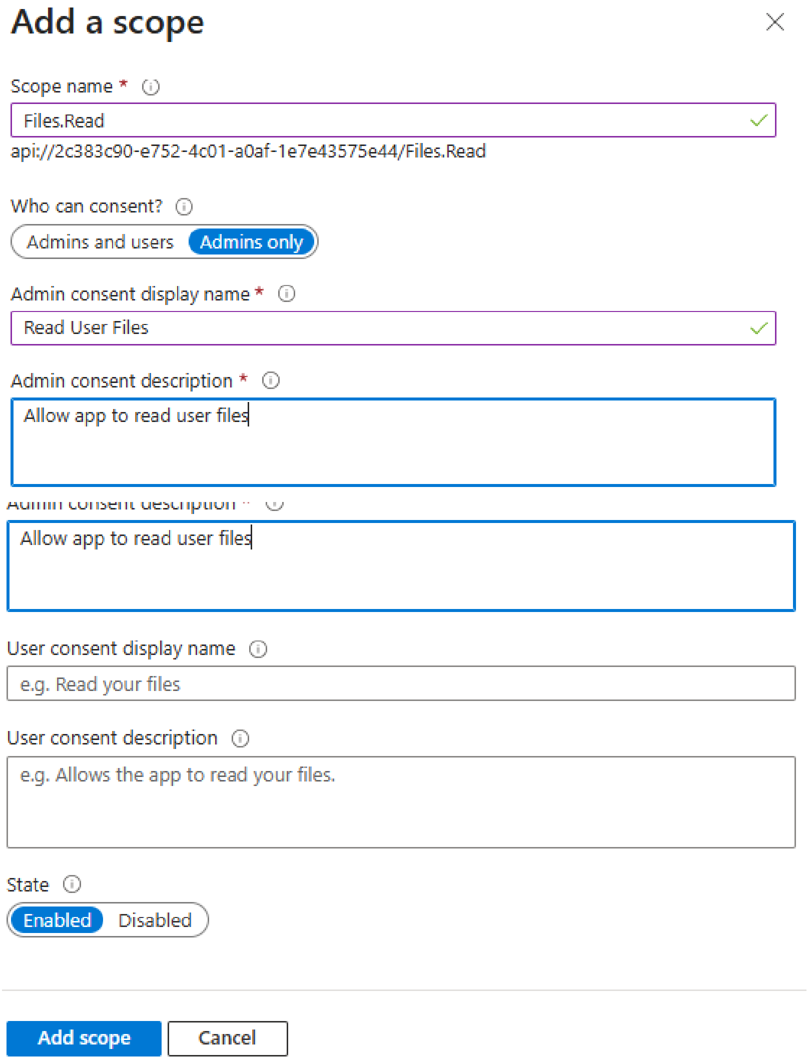


Microsoft Graph (5)

| | | | |
|---|---|---|---|
| Files.Read.All | Delegated | Read all files that user can access | No |
| openid | Delegated | Sign users in | No |
| profile | Delegated | View users' basic profile | No |
| Sites.Read.All | Delegated | Read items in all site collections | No |
| User.Read | Delegated | Sign in and read user profile | No |

- Next, click on “Expose an API” and “Add Scope”, the application ID URL should be autofilled. Click “Save and continue”

- Next, fill in the required fields and make sure “State” is set to enabled.



## Add a scope

Scope name *

Files.Read

api://2c383c90-e752-4c01-a0af-1e7e43575e44/Files.Read

Who can consent?

Admins and users [✓ Admins only]

Admin consent display name *

Read User Files

Admin consent description *

Allow app to read user files

Admin consent description *

Allow app to read user files

User consent display name

e.g. Read your files

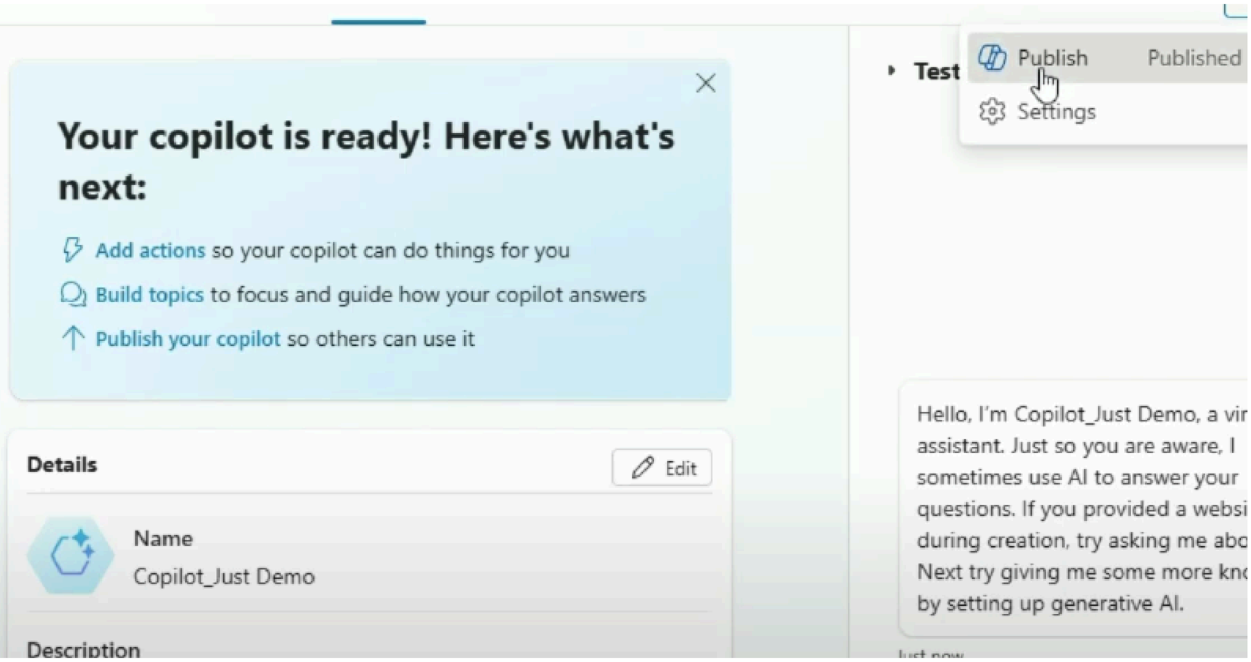
User consent description

e.g. Allows the app to read your files.

State

[✓ Enabled] Disabled

- Next, go back to copilotstudio tab and click to “Publish” the copilot



Your copilot is ready! Here's what's next:

- Add actions so your copilot can do things for you
- Build topics to focus and guide how your copilot answers
- Publish your copilot so others can use it

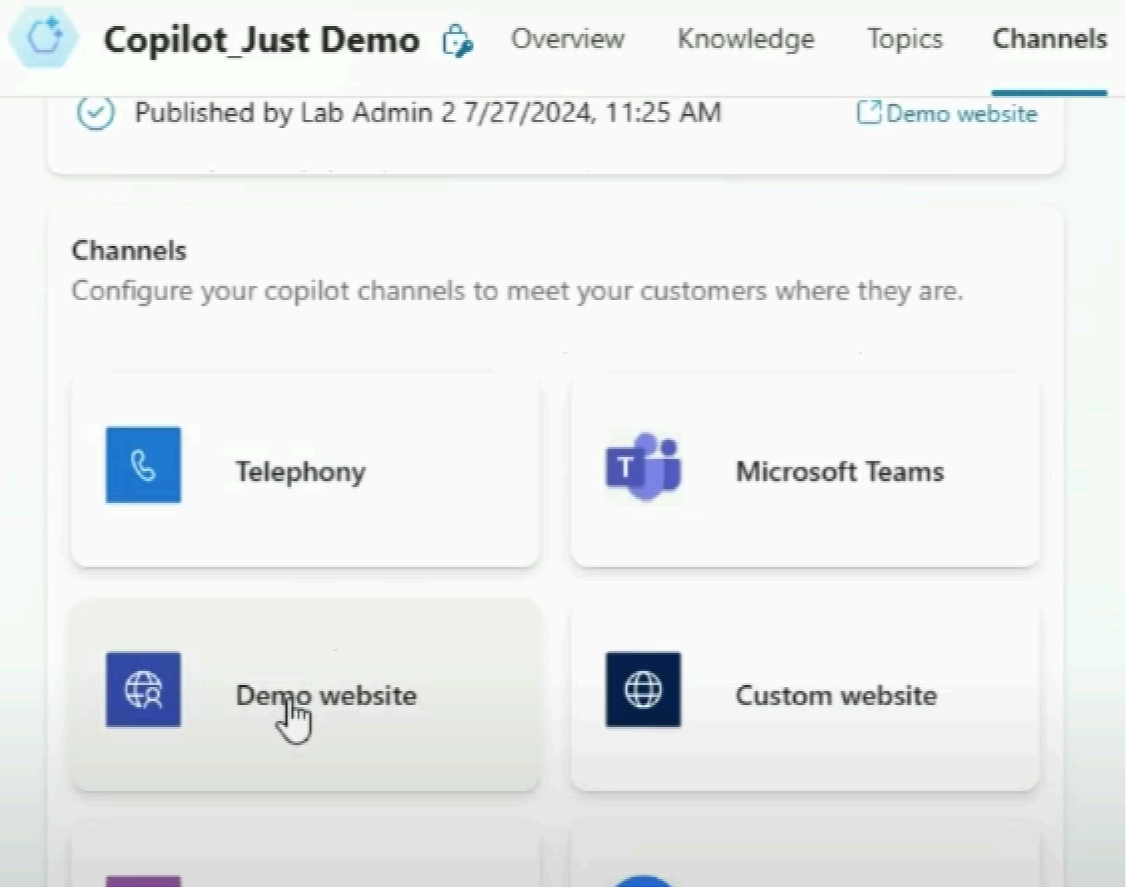
Details

Name
Copilot_Just Demo

Description

Hello, I'm Copilot_Just Demo, a vir
assistant. Just so you are aware, I
sometimes use AI to answer your
questions. If you provided a websi
during creation, try asking me abo
Next try giving me some more kn
by setting up generative AI.

- Now select “Channels” tab and “demo website” to copy the website URL

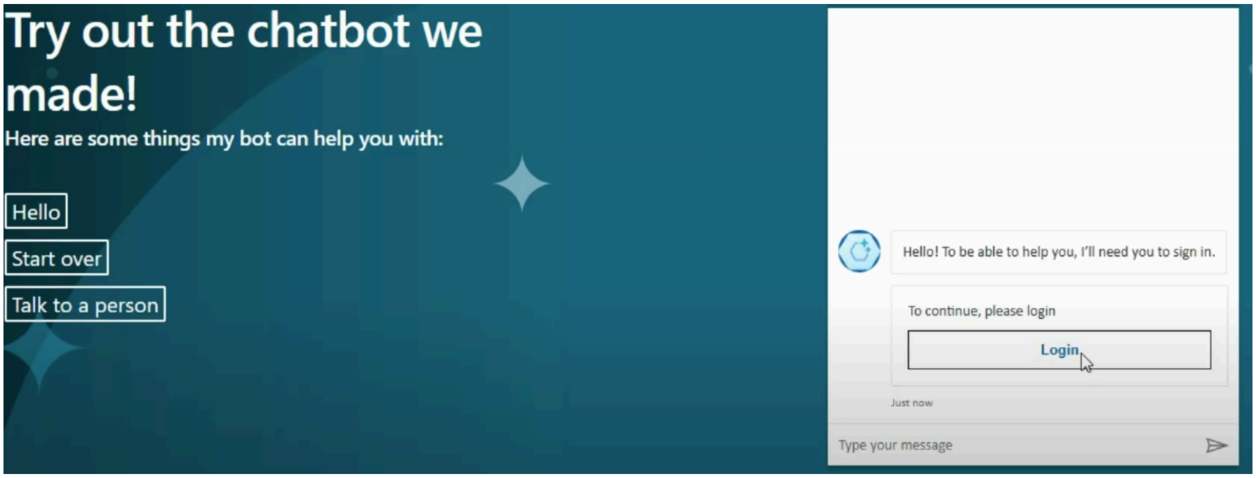


Published by Lab Admin 2 7/27/2024, 11:25 AM

Channels

Configure your copilot channels to meet your customers where they are.

- Paste the URL in a different tab



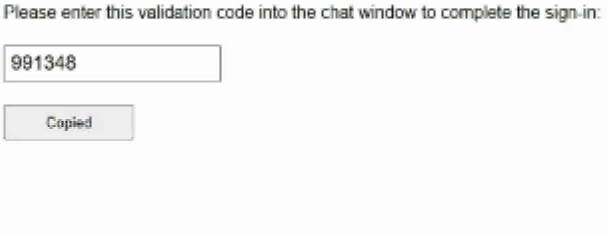
Try out the chatbot we made!

Here are some things my bot can help you with:

Hello! To be able to help you, I'll need you to sign in.

To continue, please login

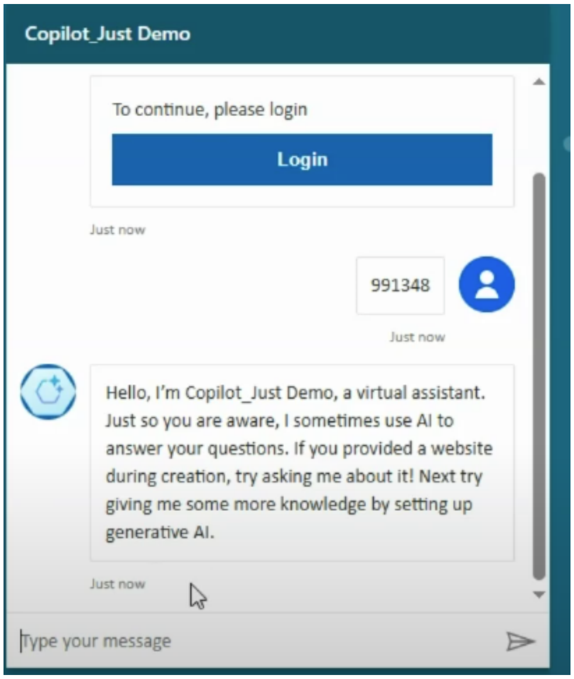
- This will take you to the validation code page that needs to be copied



Please enter this validation code into the chat window to complete the sign-in:

991348

- Paste the code in the chat and hit "enter"



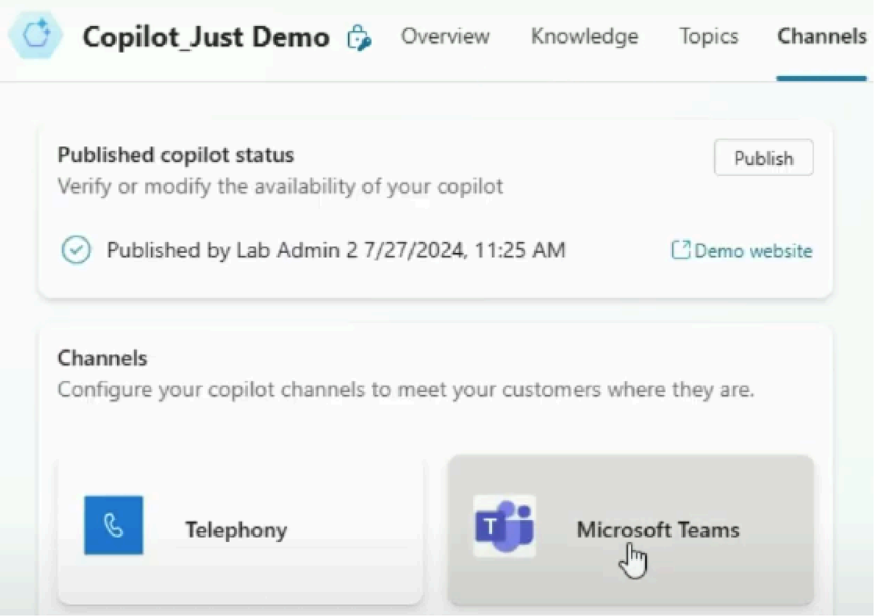
Copilot_Just Demo

To continue, please login

991348

Hello, I'm Copilot_Just Demo, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

-
- Now go back to copilotstudio and select "Channels" and "Microsoft Teams" select to "Turn on teams"



Published copilot status

Verify or modify the availability of your copilot

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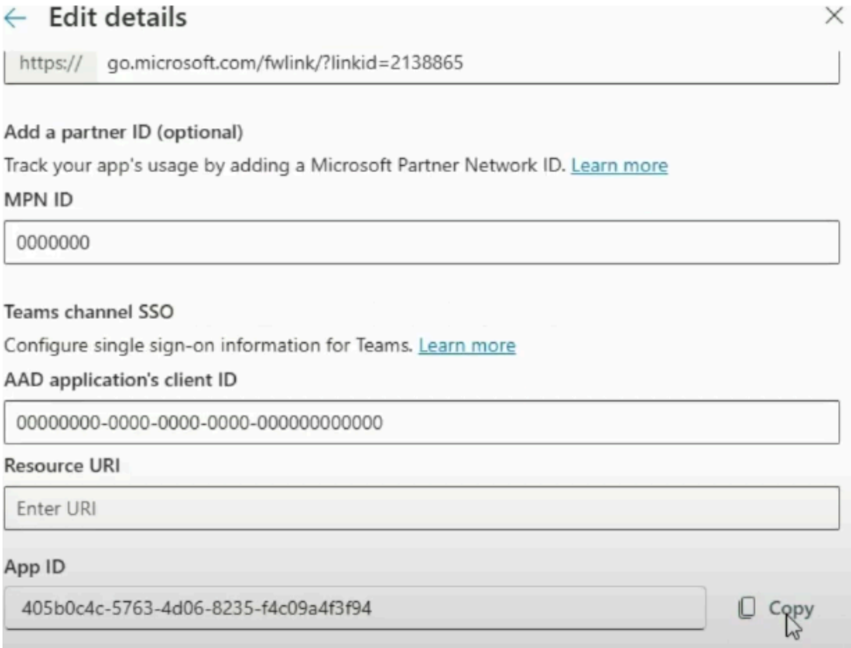
Channels

Configure your copilot channels to meet your customers where they are.

- Now scroll down and copy the "app ID"



https:// go.microsoft.com/fwlink/?linkid=2138865

Add a partner ID (optional)

Track your app's usage by adding a Microsoft Partner Network ID.

MPN ID: 0000000

Teams channel SSO

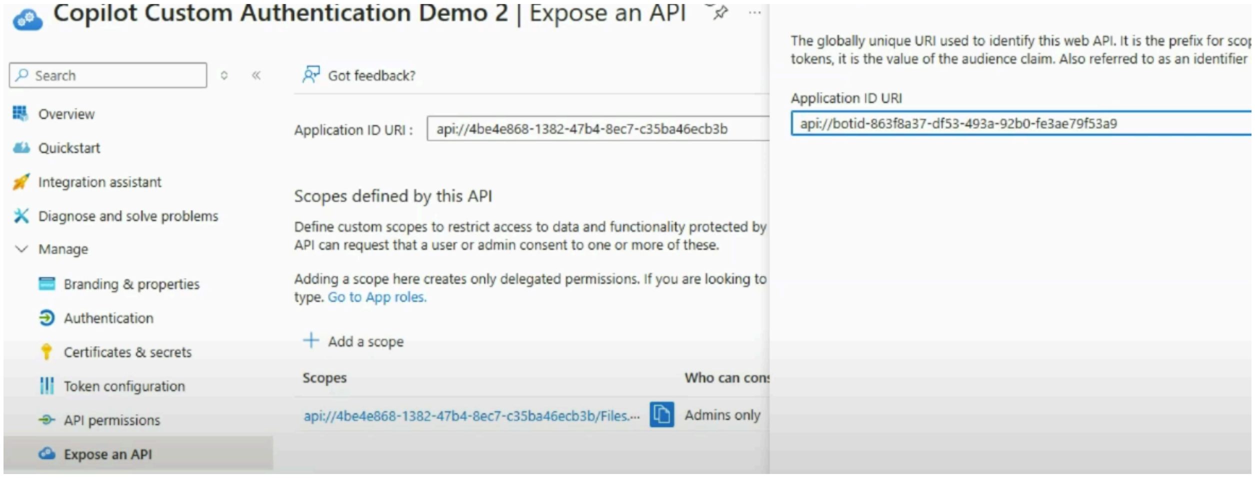
Configure single sign-on information for Teams.

AAD application's client ID: 00000000-0000-0000-0000-000000000000

Resource URI: Enter URI

App ID: 405b0c4c-5763-4d06-8235-f4c09a4f3f94

- In the portal.azure tab, select "Expose an API" and "edit application UL ID" to what was copied



Copilot Custom Authentication Demo 2 | Expose an API

Application ID URI : api://4be4e868-1382-47b4-8ec7-c35ba46ecb3b

Scopes defined by this API

Define custom scopes to restrict access to data and functionality protected by API can request that a user or admin consent to one or more of these.

Adding a scope here creates only delegated permissions. If you are looking to type. Go to App roles.

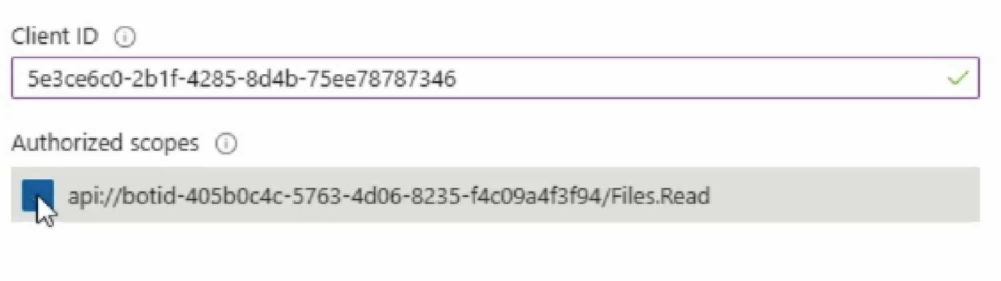
| Scopes | Who can cons |
|---|---|
| api://4be4e868-1382-47b4-8ec7-c35ba46ecb3b/Files.... | Admins only |

The globally unique URI used to identify this web API. It is the prefix for scop tokens, it is the value of the audience claim. Also referred to as an identifier

Application ID URI

api://botid-863f8a37-df53-493a-92b0-fe3ae79f53a9

- Next, still in the “Expose an API” click to “Add client application” and add these two clients



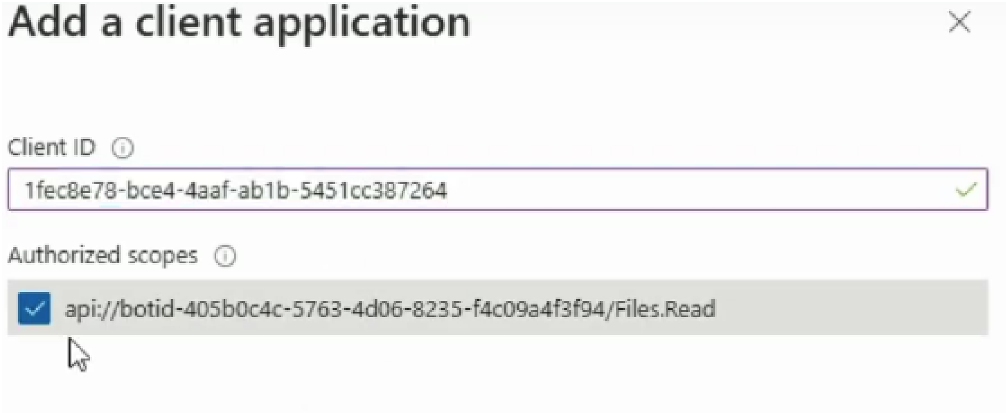
Client ID

5e3ce6c0-2b1f-4285-8d4b-75ee78787346

Authorized scopes

api://botid-405b0c4c-5763-4d06-8235-f4c09a4f3f94/Files.Read

-



Add a client application

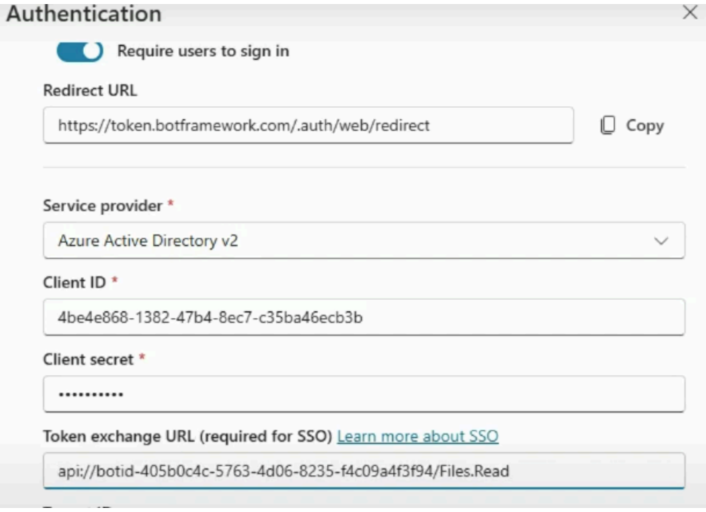
Client ID

1fec8e78-bce4-4aaf-ab1b-5451cc387264

Authorized scopes

☑ api://botid-405b0c4c-5763-4d06-8235-f4c09a4f3f94/Files.Read

- Next, copy the “scope” api and add it to copilotstudio.
- Select “settings”, “security”, “authentication”



Authentication

Require users to sign in

Redirect URL: https://token.botframework.com/.auth/web/redirect

Copy

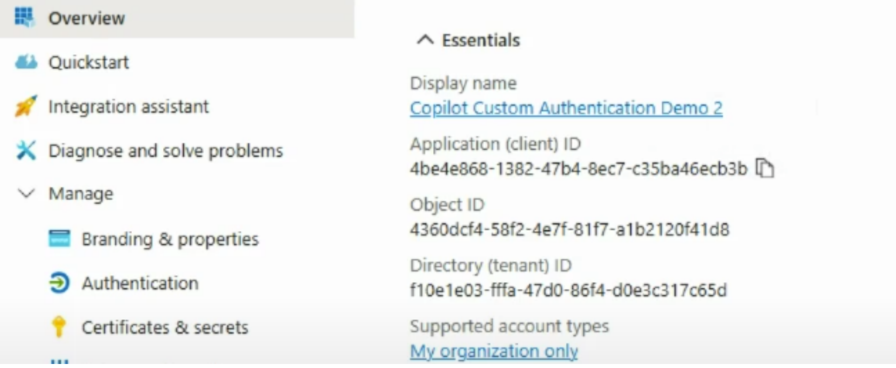
Service provider *: Azure Active Directory v2

Client ID *: 4be4e868-1382-47b4-8ec7-c35ba46ecb3b

Client secret *: ••••••••••

Token exchange URL (required for SSO) Learn more about SSO: api://botid-405b0c4c-5763-4d06-8235-f4c09a4f3f94/Files.Read

-
- Next, in the portal.azure tab, copy the application client ID.



Essentials

Display name: Copilot Custom Authentication Demo 2

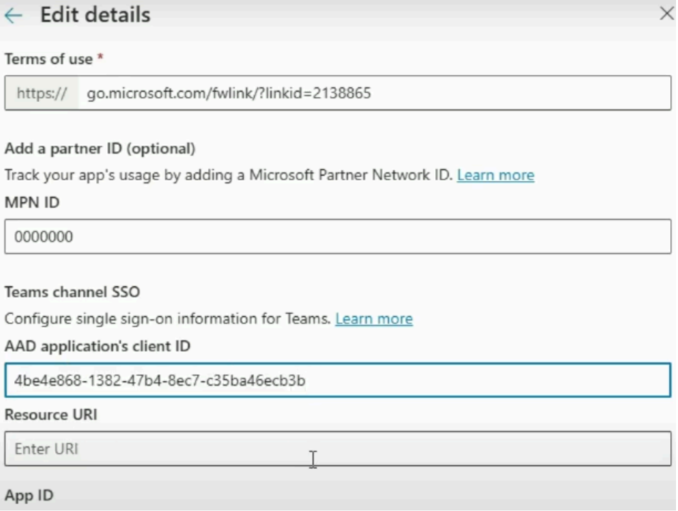
Application (client) ID: 4be4e868-1382-47b4-8ec7-c35ba46ecb3b

Object ID: 4360dcf4-58f2-4e7f-81f7-a1b2120f41d8

Directory (tenant) ID: f10e1e03-fffa-47d0-86f4-d0e3c317c65d

Supported account types: My organization only

-
- Go to the copilotstudio tab, navigate to “channels” and “Microsoft teams”, click “edit details”. Paste the application ID in the field



Edit details

Terms of use *: https:// go.microsoft.com/fwlink/?linkid=2138865

Add a partner ID (optional)

Track your app's usage by adding a Microsoft Partner Network ID. Learn more

MPN ID: 0000000

Teams channel SSO

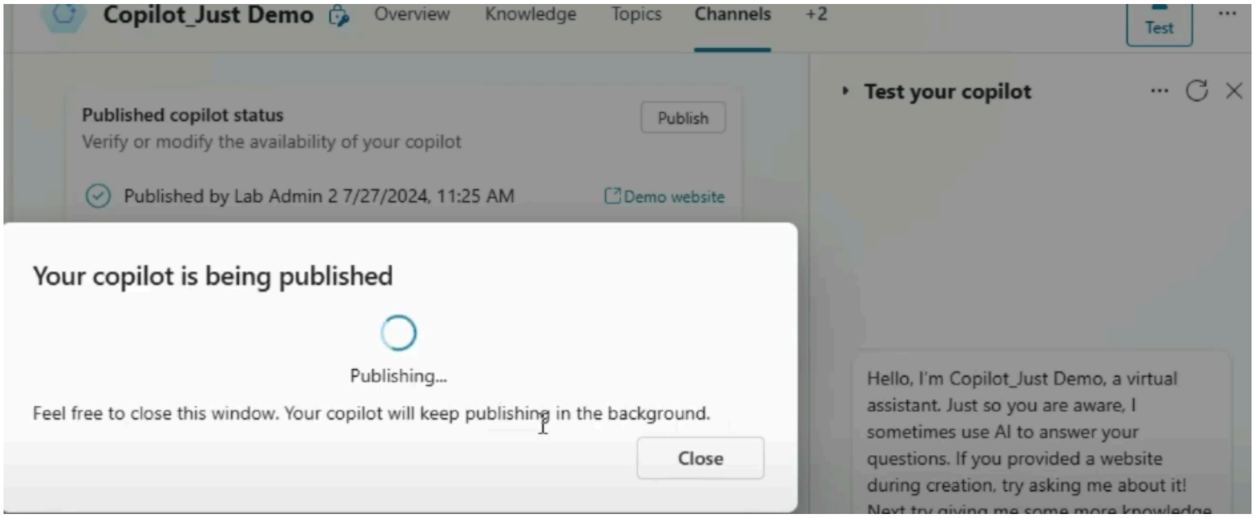
Configure single sign-on information for Teams. Learn more

AAD application's client ID: 4be4e868-1382-47b4-8ec7-c35ba46ecb3b

Resource URI: Enter URI

App ID

- In the portal.azure tab, copy the “application URI ID” and paste in the copilotstudio tab in the “resource URI field”, click Save
- Now, click the 3 dots in the top right and hit “Publish”



Published copilot status

Verify or modify the availability of your copilot

Published by Lab Admin 2 7/27/2024, 11:25 AM

Test your copilot

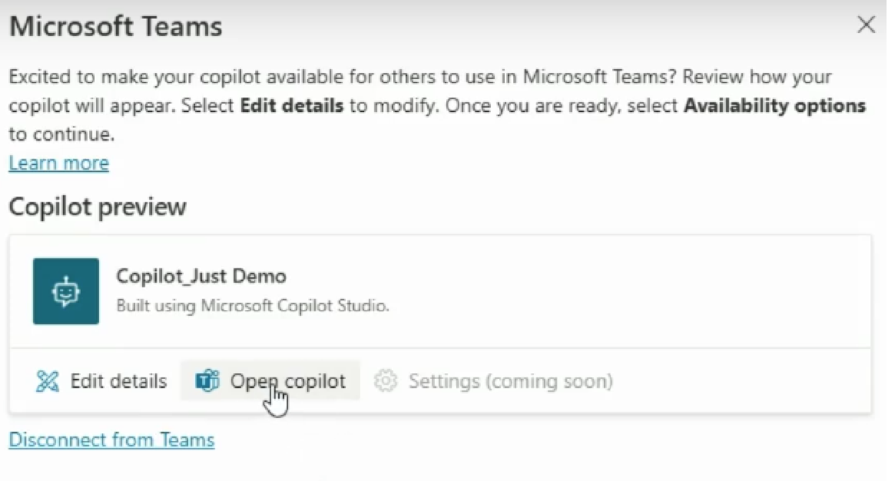
Hello, I'm Copilot_Just Demo, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge

Your copilot is being published

Publishing...

Feel free to close this window. Your copilot will keep publishing in the background.

- Once published, click to "Open copilot"



Microsoft Teams

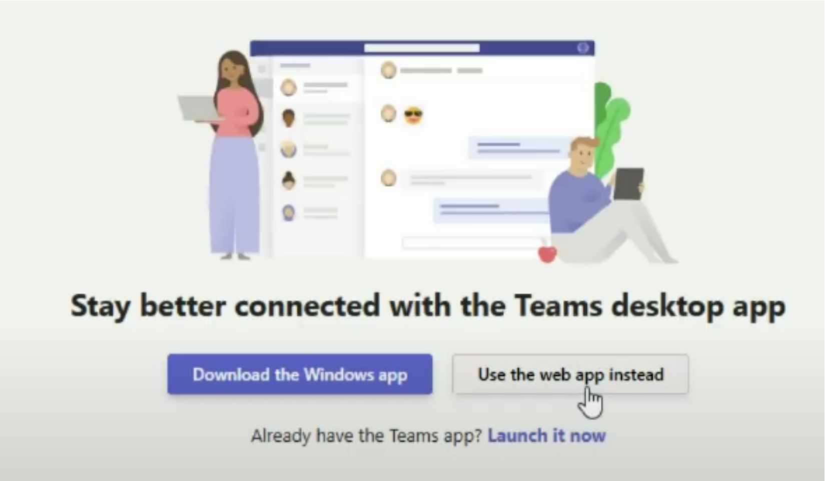
Excited to make your copilot available for others to use in Microsoft Teams? Review how your copilot will appear. Select **Edit details** to modify. Once you are ready, select **Availability options** to continue.

Copilot preview

Copilot_Just Demo

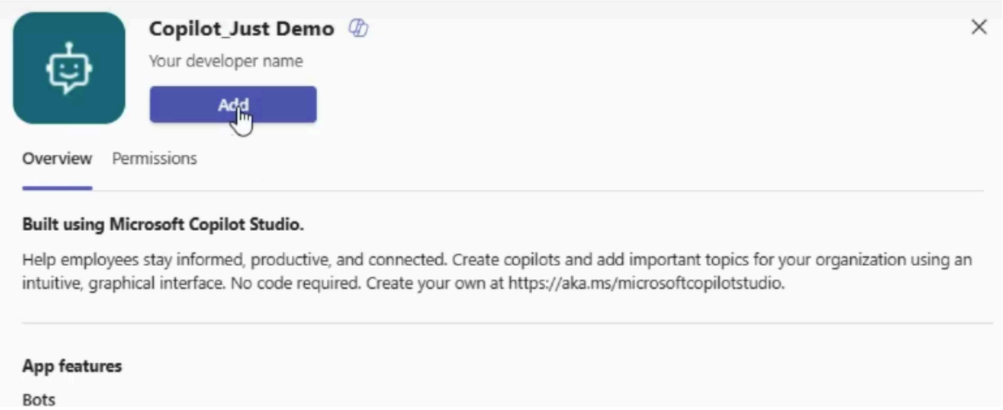
Built using Microsoft Copilot Studio.

- Next, select to use web app and add the app

- 

Stay better connected with the Teams desktop app

Already have the Teams app? **Launch it now**



**Copilot_Just Demo**

Your developer name

**Built using Microsoft Copilot Studio.**

Help employees stay informed, productive, and connected. Create copilots and add important topics for your organization using an intuitive, graphical interface. No code required. Create your own at https://aka.ms/microsoftcopilotstudio.

**App features**

Bots

- You have successfully deployed copilot with SSO using Microsoft Teams!!!