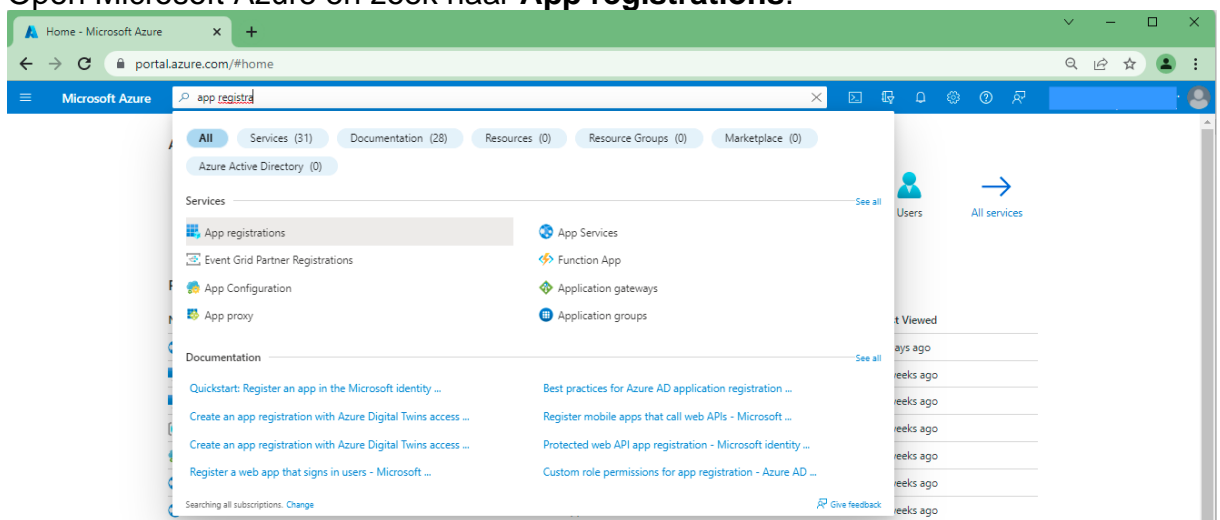


Handleiding configureren Business Central Oauth

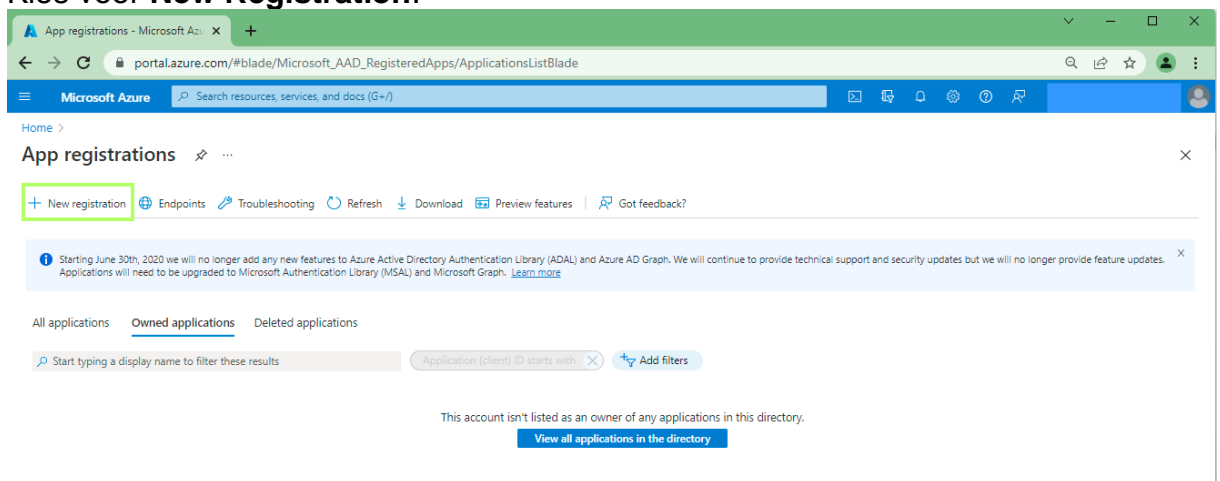
Vanaf Business Central 20 release wave 1, welke vanaf 1 april 2022 beschikbaar is, is het alleen nog maar mogelijk om via Oauth een verbinding op te zetten tussen Blue10 en jouw Business Central administratie.

Je IT partner of IT college kan dit eenvoudig gereed maken doormiddel van een app registratie in de Microsoft Azure Tenant. De onderstaande stappen kunnen uitgevoerd worden door een gebruiker met Administrator rechten in de Azure AD tenant.

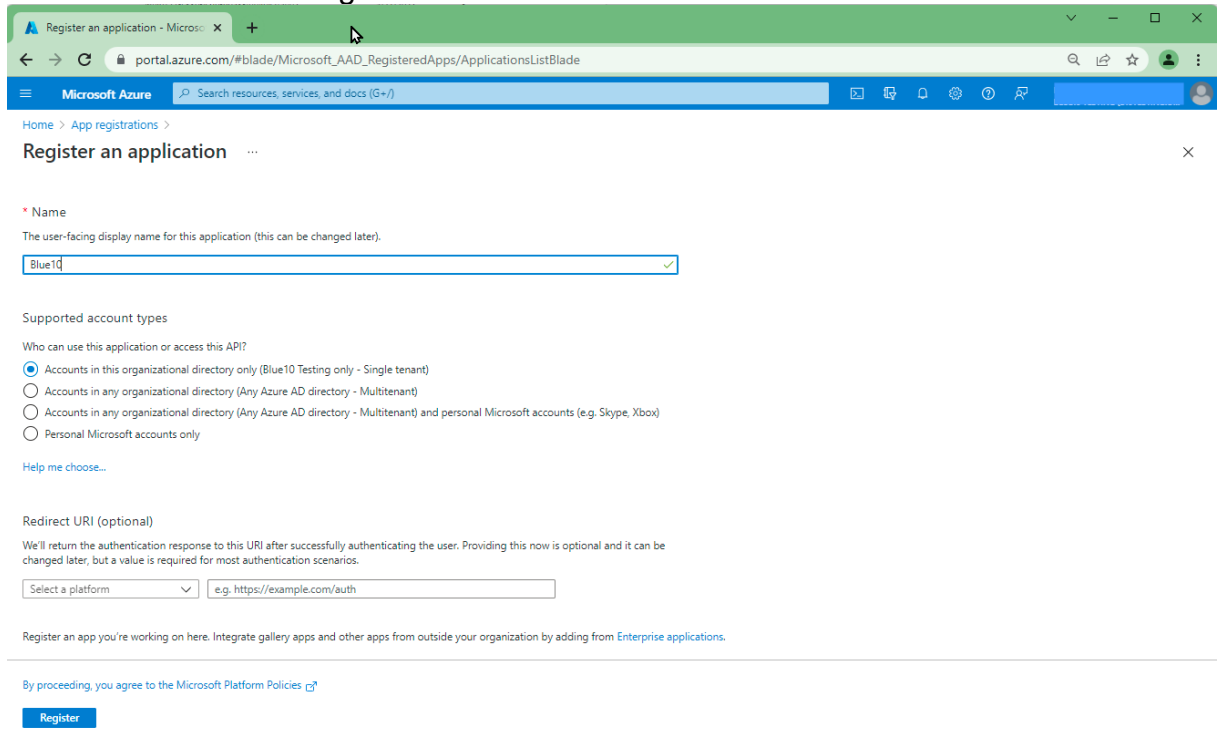
1. Open Microsoft Azure en zoek naar **App registrations**.



2. Kies voor **New Registration**.



3. Vul een naam in welke gewenst is. In onze voorbeeld kiezen we voor **Blue10**.



Register an application - Microsoft Azure

portal.azure.com/#blade/Microsoft_AAD_RegisteredApps/ApplicationsListBlade

Home > App registrations >

Register an application

* Name

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

Blue10

Supported account types

Who can use this application or access this API?

☒ Accounts in this organizational directory only (Blue10 Testing only - Single tenant)

☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant)

☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)

☐ Personal Microsoft accounts only

[Help me choose...](#)

Redirect URI (optional)

We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

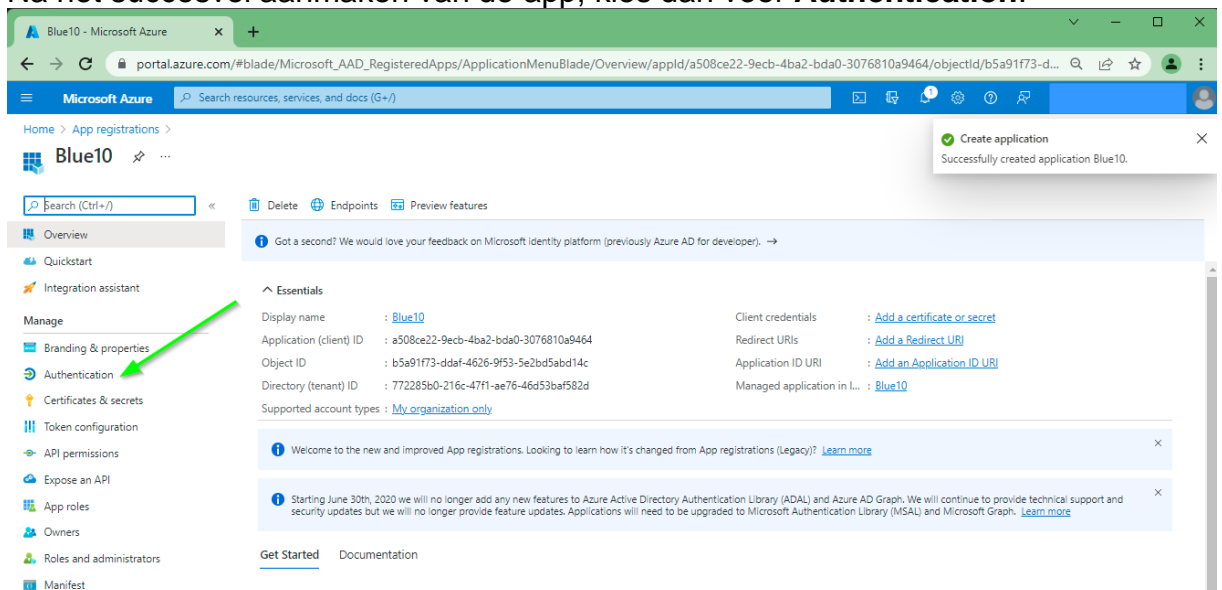
Select a platform e.g. https://example.com/auth

Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from [Enterprise applications](#).

By proceeding, you agree to the [Microsoft Platform Policies](#)

Register

4. Na het succesvol aanmaken van de app, kies dan voor **Authentication**.



Blue10 - Microsoft Azure

portal.azure.com/#blade/Microsoft_AAD_RegisteredApps/ApplicationMenuBlade/Overview/appld/a508ce22-9ecb-4ba2-bda0-3076810a9464/objectid/b5a91f73-d...

Home > App registrations >

Blue10

Search (Ctrl+F)

Delete Endpoints Preview features

Overview

Quickstart

Integration assistant

Manage

Branding & properties

Authentication

Certificates & secrets

Token configuration

API permissions

Expose an API

App roles

Owners

Roles and administrators

Manifest

Essentials

Display name : Blue10

Application (client) ID : a508ce22-9ecb-4ba2-bda0-3076810a9464

Object ID : b5a91f73-ddaf-4626-9f53-5e2bd5abd14c

Directory (tenant) ID : 772285b0-216c-47f1-ae76-46d53ba5f82d

Supported account types : [My organization only](#)

Client credentials : [Add a certificate or secret](#)

Redirect URIs : [Add a Redirect URI](#)

Application ID URI : [Add an Application ID URI](#)

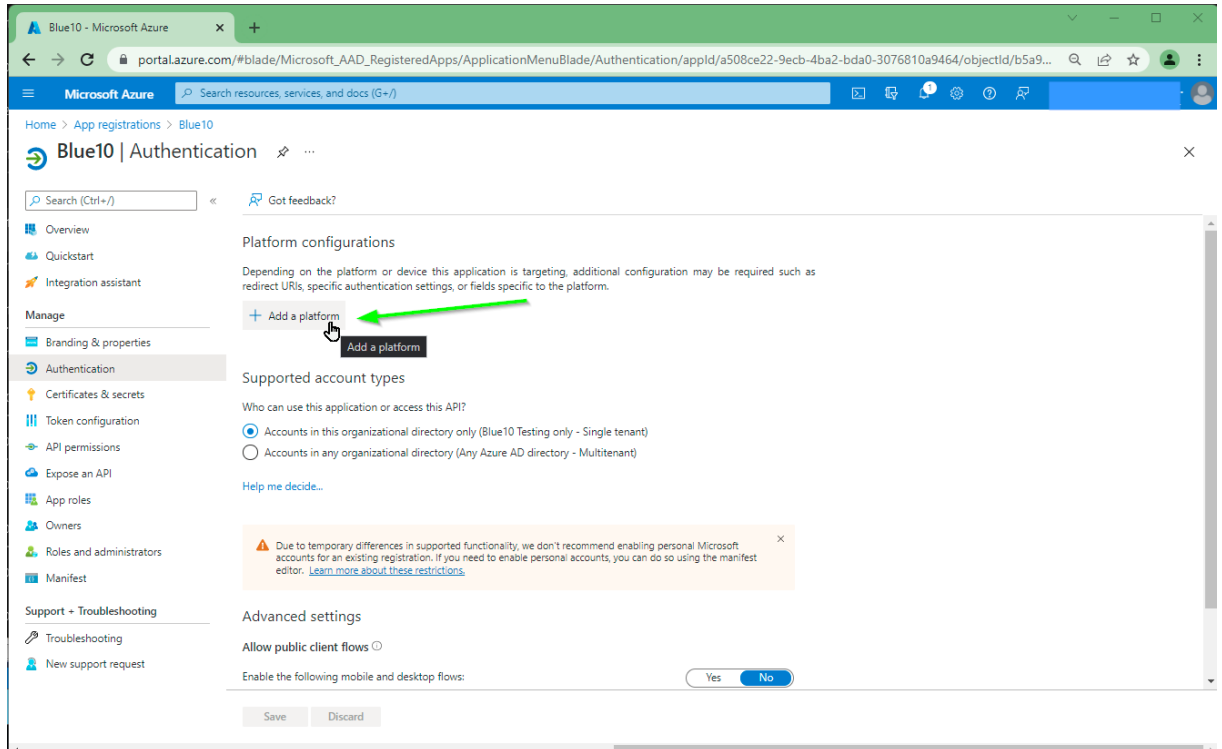
Managed application in L... : [Blue10](#)

Welcome to the new and improved App registrations. Looking to learn how it's changed from App registrations (Legacy)? [Learn more](#)

Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure AD Graph. We will continue to provide technical support and security updates but we will no longer provide feature updates. Applications will need to be upgraded to Microsoft Authentication Library (MSAL) and Microsoft Graph. [Learn more](#)

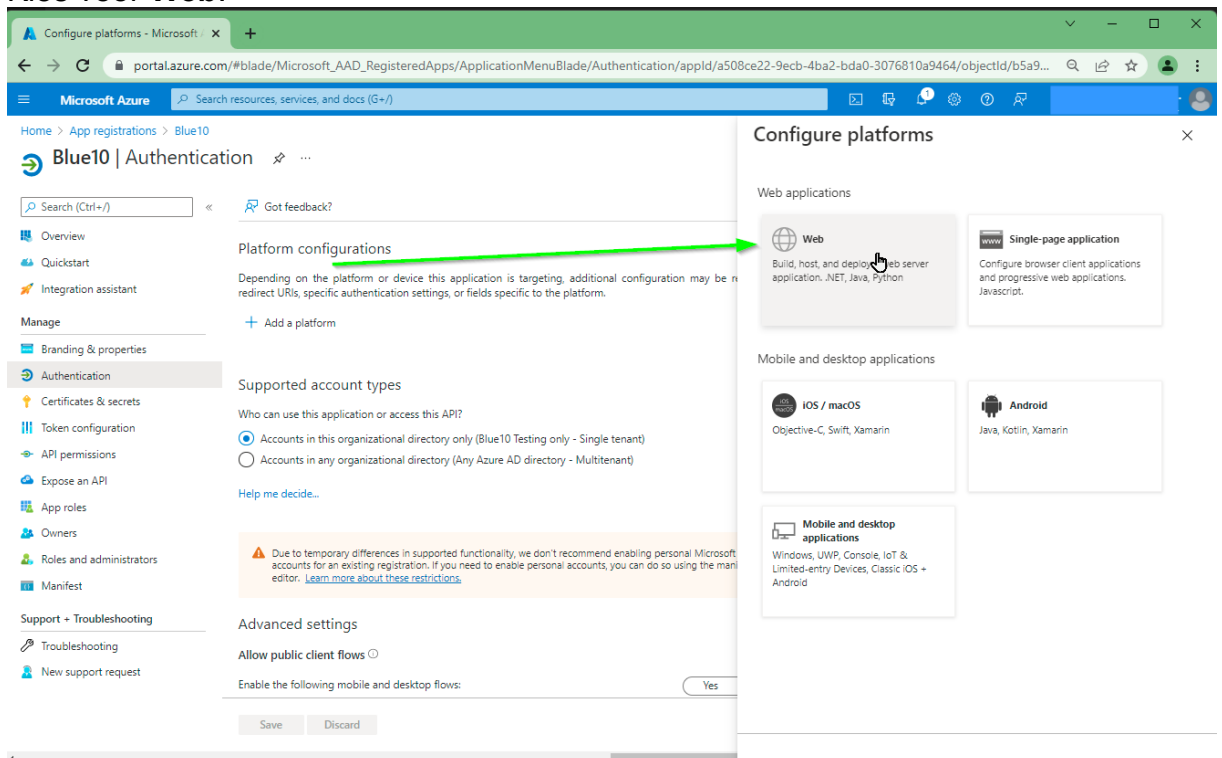
Get Started Documentation

5. Kies nu voor **Add Platform**.



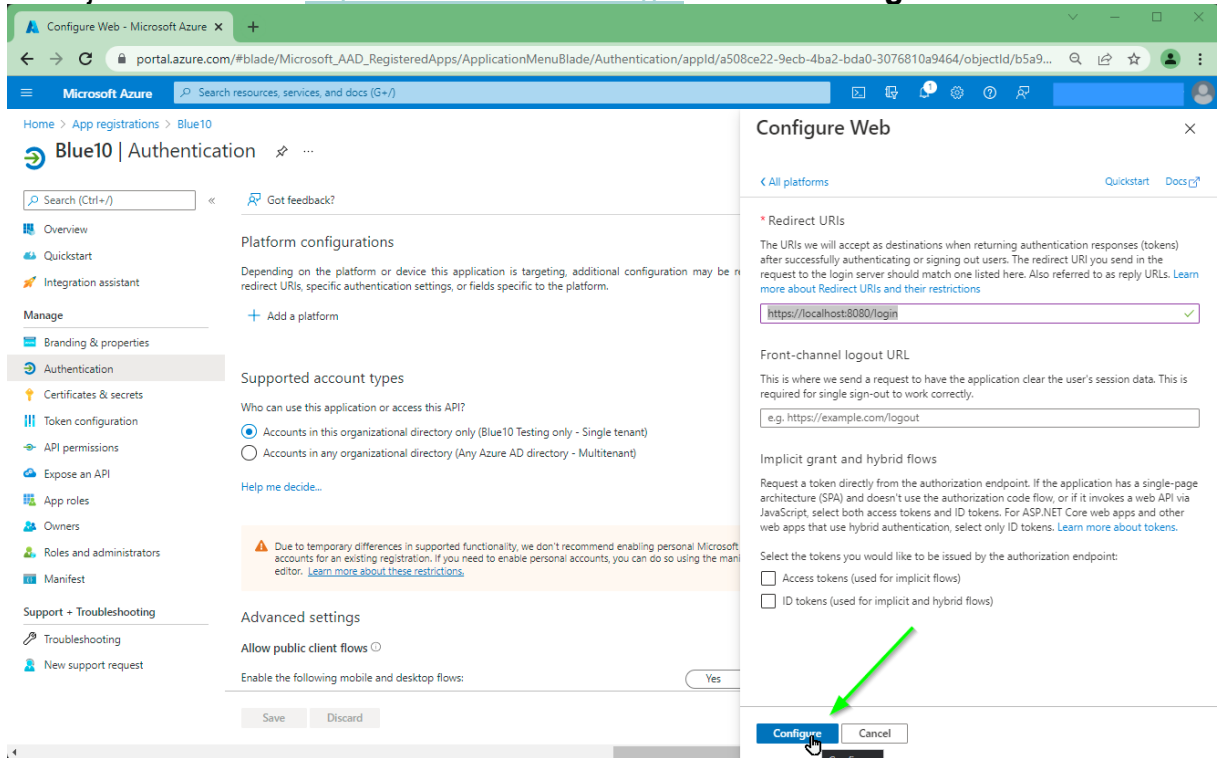
The screenshot shows the 'Blue10 | Authentication' page in the Microsoft Azure portal. The left sidebar contains navigation links for Overview, Quickstart, Integration assistant, Manage, Branding & properties, Authentication, Certificates & secrets, Token configuration, API permissions, Expose an API, App roles, Owners, Roles and administrators, Manifest, Support + Troubleshooting, Troubleshooting, and New support request. The main content area is titled 'Platform configurations' and includes a section for 'Supported account types' with two radio button options: 'Accounts in this organizational directory only (Blue10 Testing only - Single tenant)' (selected) and 'Accounts in any organizational directory (Any Azure AD directory - Multitenant)'. A warning message states: 'Due to temporary differences in supported functionality, we don't recommend enabling personal Microsoft accounts for an existing registration. If you need to enable personal accounts, you can do so using the manifest editor. [Learn more about these restrictions.](#)' The 'Advanced settings' section has a toggle for 'Allow public client flows' set to 'No'. A green arrow points to the '+ Add a platform' button.

6. Kies voor **Web**.



The screenshot shows the 'Configure platforms' dialog box in the Microsoft Azure portal. The dialog has a title bar 'Configure platforms' and a close button. It is divided into two main sections: 'Web applications' and 'Mobile and desktop applications'. Under 'Web applications', there are two options: 'Web' (selected with a green arrow) and 'Single-page application'. The 'Web' option description is 'Build, host, and deploy web server application. .NET, Java, Python'. Under 'Mobile and desktop applications', there are three options: 'iOS / macOS' (Objective-C, Swift, Xamarin), 'Android' (Java, Kotlin, Xamarin), and 'Mobile and desktop applications' (Windows, UWP, Console, IoT & Limited-entry Devices, Classic iOS + Android). The background shows the same 'Blue10 | Authentication' page as in the previous screenshot.

7. Vul bij Redirect URL <https://localhost:8080/login> en kies **Configure**.



Configure Web - Microsoft Azure

portal.azure.com/#blade/Microsoft_AAD_RegisteredApps/ApplicationMenuBlade/Authentication/appld/a508ce22-9ecb-4ba2-bda0-3076810a9464/objectId/b5a9...

Microsoft Azure Search resources, services, and docs (G+)

Home > App registrations > Blue10

Blue10 | Authentication

Search (Ctrl+/) Got feedback?

Overview

Quickstart

Integration assistant

Manage

Branding & properties

Authentication

Certificates & secrets

Token configuration

API permissions

Expose an API

App roles

Owners

Roles and administrators

Manifest

Support + Troubleshooting

Troubleshooting

New support request

Platform configurations

Depending on the platform or device this application is targeting, additional configuration may be required, such as redirect URLs, specific authentication settings, or fields specific to the platform.

+ Add a platform

Supported account types

Who can use this application or access this API?

☒ Accounts in this organizational directory only (Blue10 Testing only - Single tenant)

☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant)

[Help me decide...](#)

Due to temporary differences in supported functionality, we don't recommend enabling personal Microsoft accounts for an existing registration. If you need to enable personal accounts, you can do so using the manifest editor. [Learn more about these restrictions.](#)

Advanced settings

Allow public client flows

Enable the following mobile and desktop flows: Yes

Save Discard

Configure Web

< All platforms Quickstart Docs

* Redirect URLs

The URLs we will accept as destinations when returning authentication responses (tokens) after successfully authenticating or signing out users. The redirect URI you send in the request to the login server should match one listed here. Also referred to as reply URLs. [Learn more about Redirect URLs and their restrictions](#)

<https://localhost:8080/login>

Front-channel logout URL

This is where we send a request to have the application clear the user's session data. This is required for single sign-out to work correctly.

e.g. <https://example.com/logout>

Implicit grant and hybrid flows

Request a token directly from the authorization endpoint. If the application has a single-page architecture (SPA) and doesn't use the authorization code flow, or if it invokes a web API via JavaScript, select both access tokens and ID tokens. For ASP.NET Core web apps and other web apps that use hybrid authentication, select only ID tokens. [Learn more about tokens.](#)

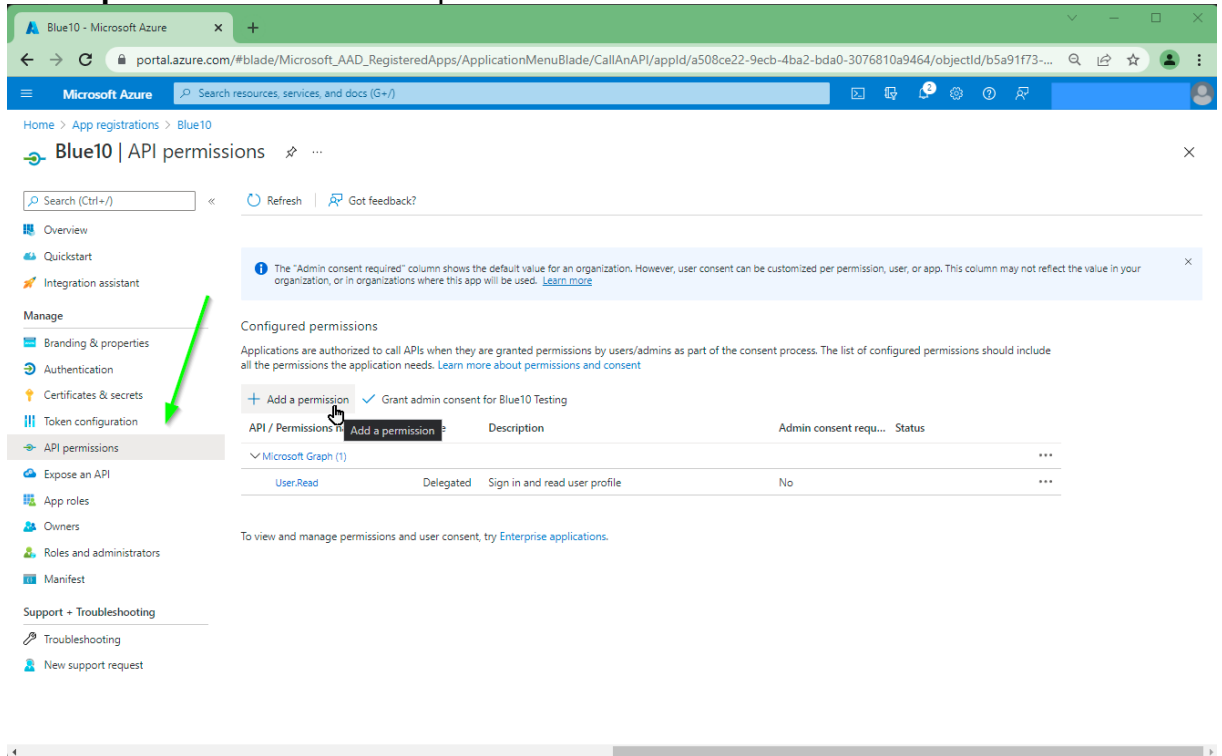
Select the tokens you would like to be issued by the authorization endpoint:

☐ Access tokens (used for implicit flows)

☒ ID tokens (used for implicit and hybrid flows)

Configure Cancel

8. Kies **Api Permission** en klik op **Add a Permission**.



Blue10 - Microsoft Azure

portal.azure.com/#blade/Microsoft_AAD_RegisteredApps/ApplicationMenuBlade/CallAnAPI/appld/a508ce22-9ecb-4ba2-bda0-3076810a9464/objectId/b5a91f73-...

Microsoft Azure Search resources, services, and docs (G+)

Home > App registrations > Blue10

Blue10 | API permissions

Search (Ctrl+/) Refresh Got feedback?

Overview

Quickstart

Integration assistant

Manage

Branding & properties

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Support + Troubleshooting

Troubleshooting

New support request

The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This column may not reflect the value in your organization, or in organizations where this app will be used. [Learn more](#)

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. [Learn more about permissions and consent](#)

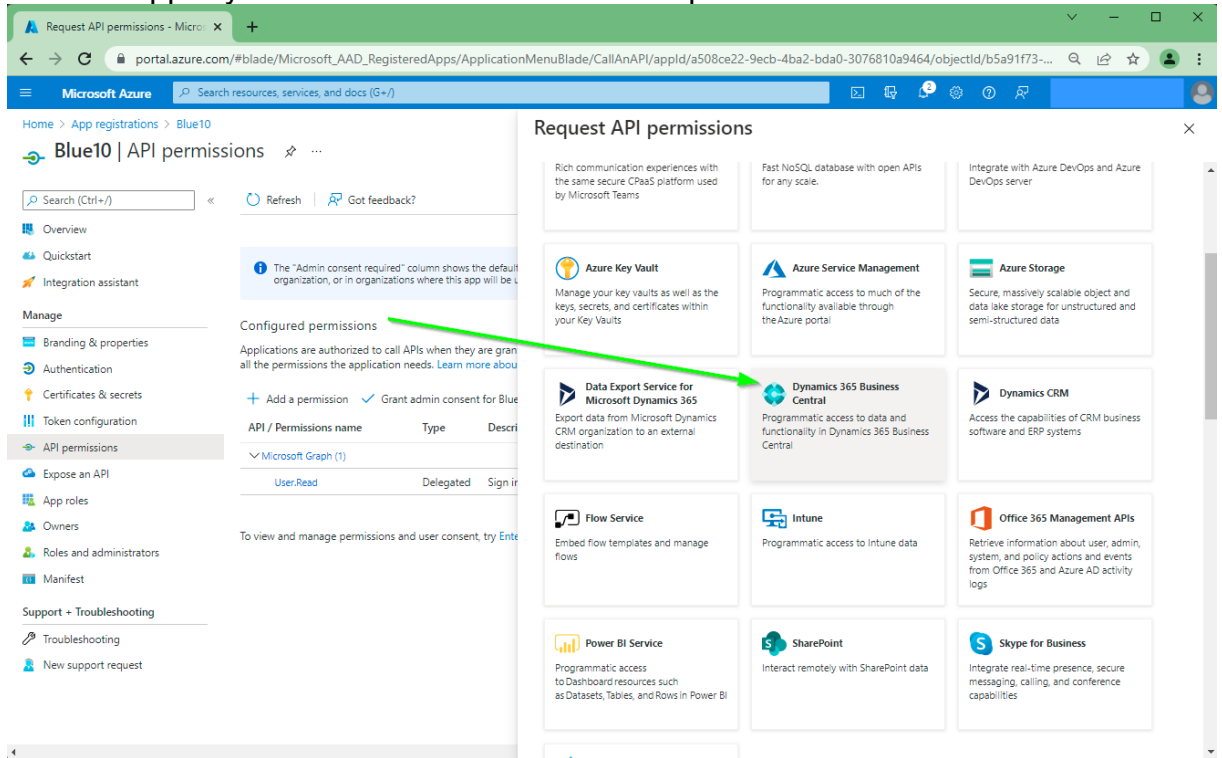
+ Add a permission Grant admin consent for Blue10 Testing

API / Permissions Add a permission

API / Permissions	Description	Admin consent required	Status
Microsoft Graph (1)			
User-Read	Sign in and read user profile	No	...

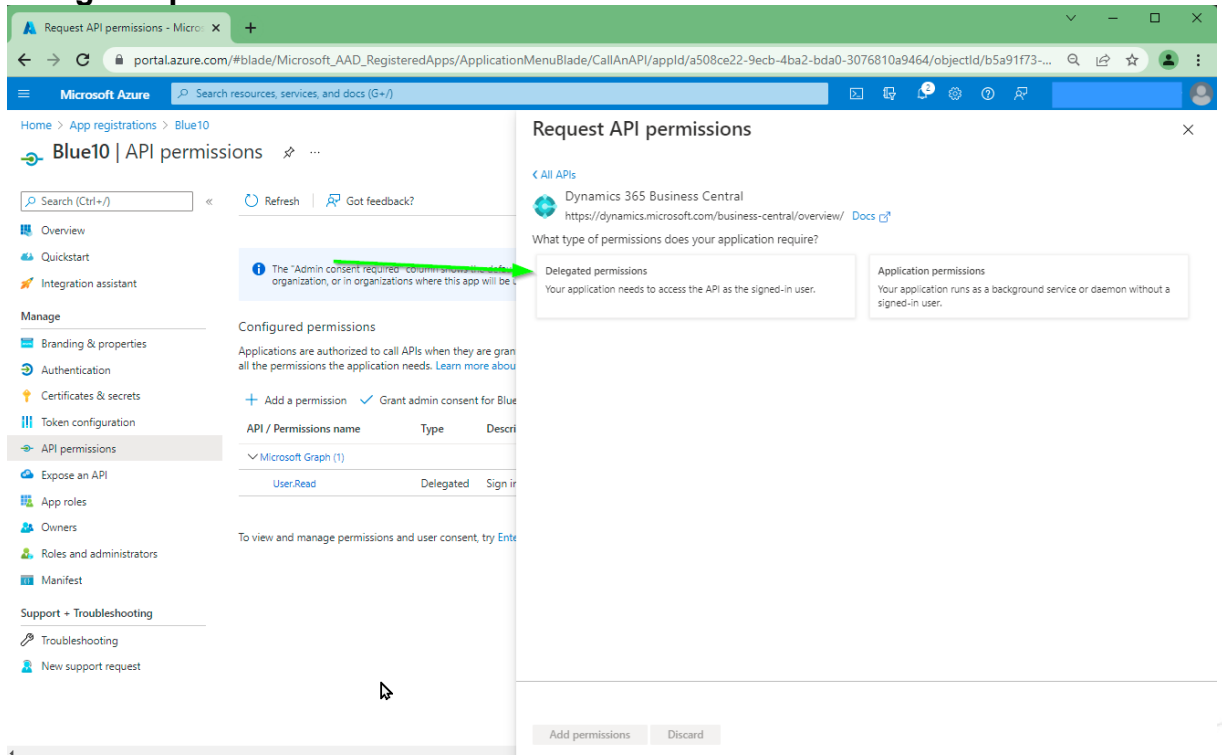
To view and manage permissions and user consent, try [Enterprise applications](#).

9. Zoek de app 'Dynamics 365 Business Central' op en klik deze aan.



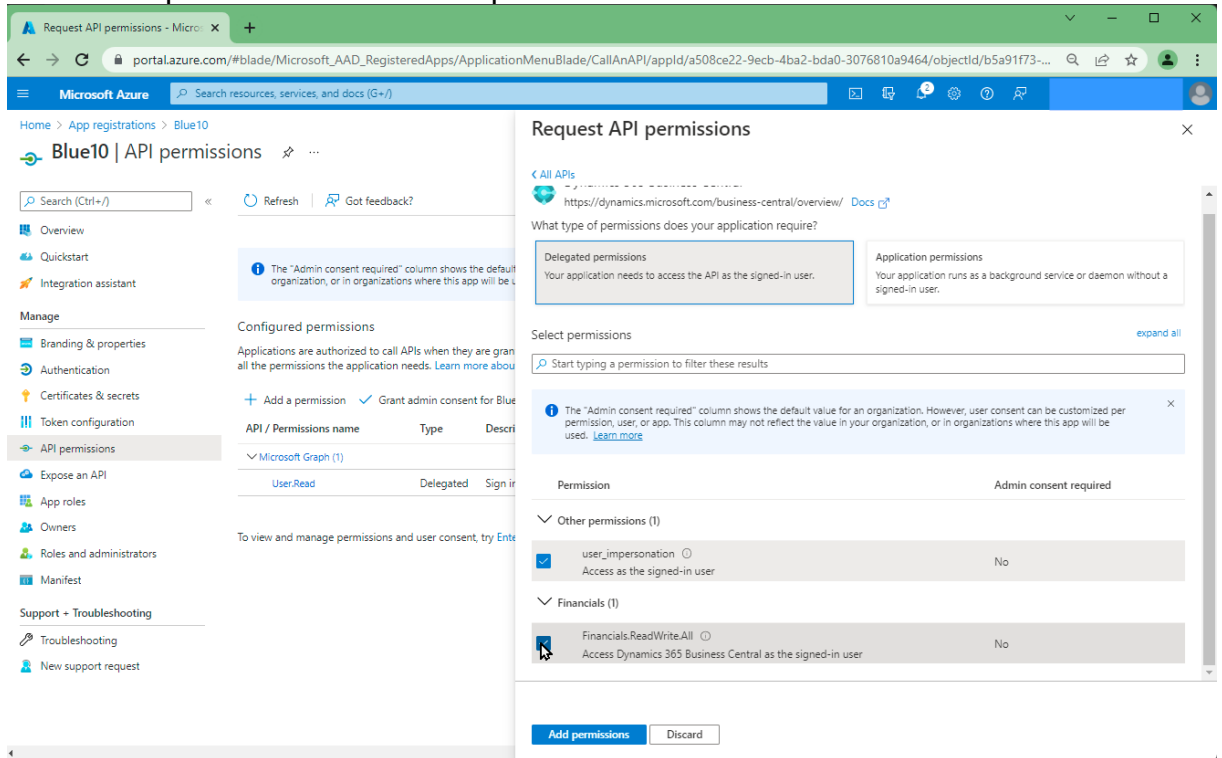
The screenshot shows the Microsoft Azure portal interface. On the left, the 'API permissions' section is expanded. The main area displays the 'Request API permissions' dialog for the 'Blue10' app. A green arrow points to the 'Dynamics 365 Business Central' API tile, which is highlighted. The dialog also shows other APIs like Azure Key Vault, Azure Service Management, Azure Storage, Dynamics CRM, Office 365 Management APIs, and Skype for Business.

10. Er wordt nu gevraagd welke permissie de app mag krijgen. Kies hier voor **Delegated permission**.



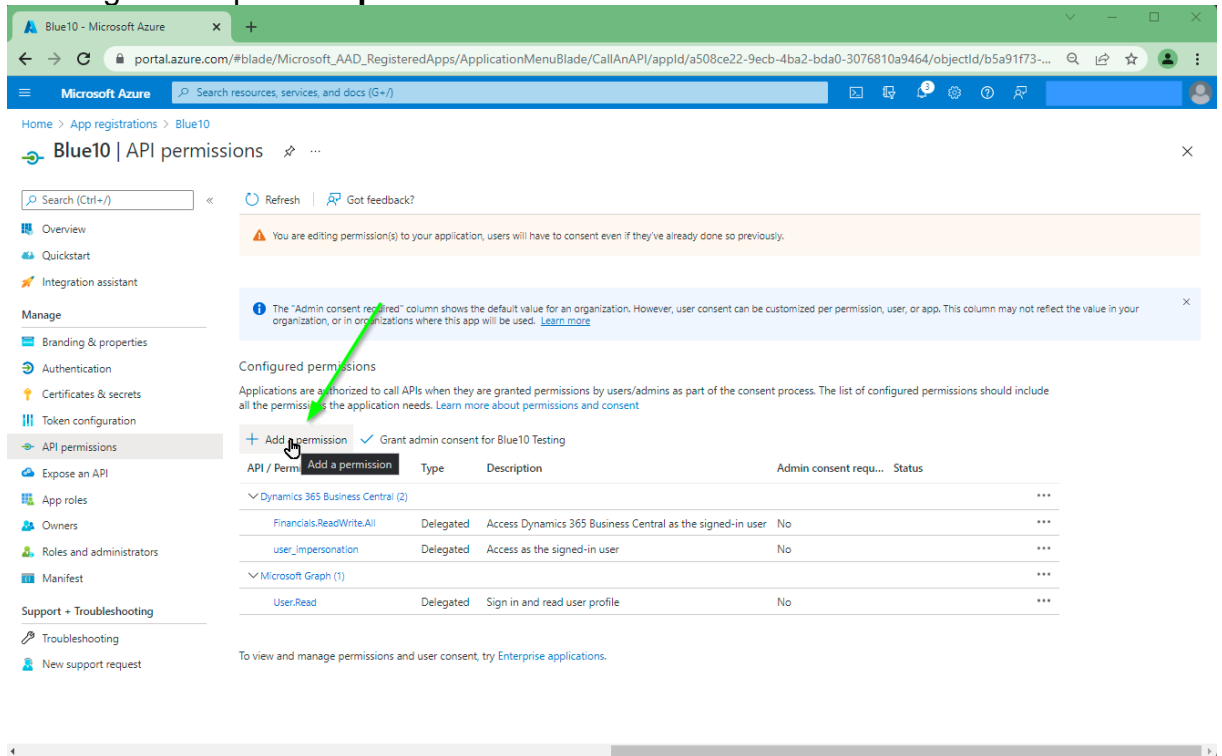
The screenshot shows the Microsoft Azure portal interface. On the left, the 'API permissions' section is expanded. The main area displays the 'Request API permissions' dialog for the 'Blue10' app. A green arrow points to the 'Delegated permissions' option, which is selected. The dialog also shows the 'Application permissions' option. The 'Delegated permissions' option is described as 'Your application needs to access the API as the signed-in user.'

11. Vink beide permissie aan en klik op **Add Permissions**.



The screenshot shows the Azure portal interface for managing API permissions for an application named 'Blue10'. The 'Request API permissions' dialog is open, displaying the 'Delegated permissions' tab. The 'user_impersonation' and 'Financials.ReadWrite.All' permissions are selected. The 'Add permissions' button is highlighted.

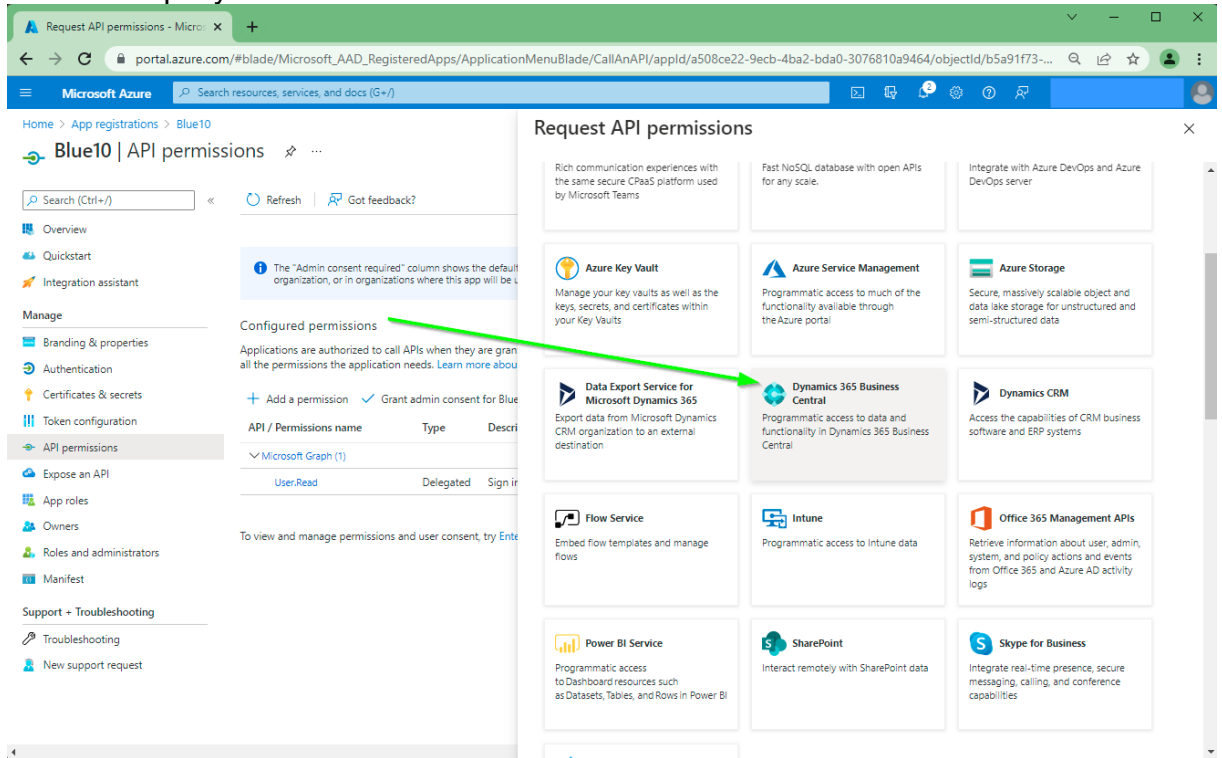
12. Klik nogmaals op **Add a permission**.



The screenshot shows the Azure portal interface for managing API permissions for the 'Blue10' application. The 'API permissions' page is displayed, showing a list of configured permissions. A green arrow points to the 'Add a permission' button. The list of permissions includes 'Financials.ReadWrite.All', 'user_impersonation', and 'User.Read'.

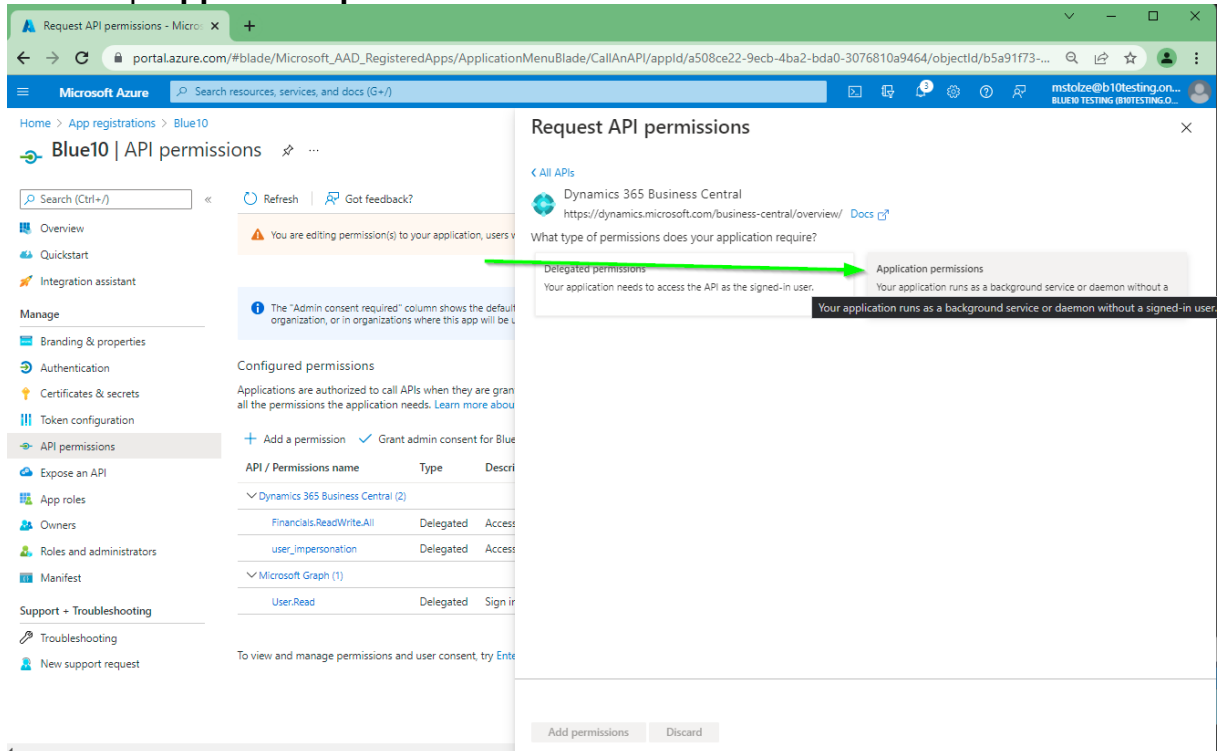
API / Permission	Type	Description	Admin consent required	Status
Dynamics 365 Business Central (2)				
Financials.ReadWrite.All	Delegated	Access Dynamics 365 Business Central as the signed-in user	No	...
user_impersonation	Delegated	Access as the signed-in user	No	...
Microsoft Graph (1)				
User.Read	Delegated	Sign in and read user profile	No	...

13. Klik weer op Dynamics 365 Business Central.



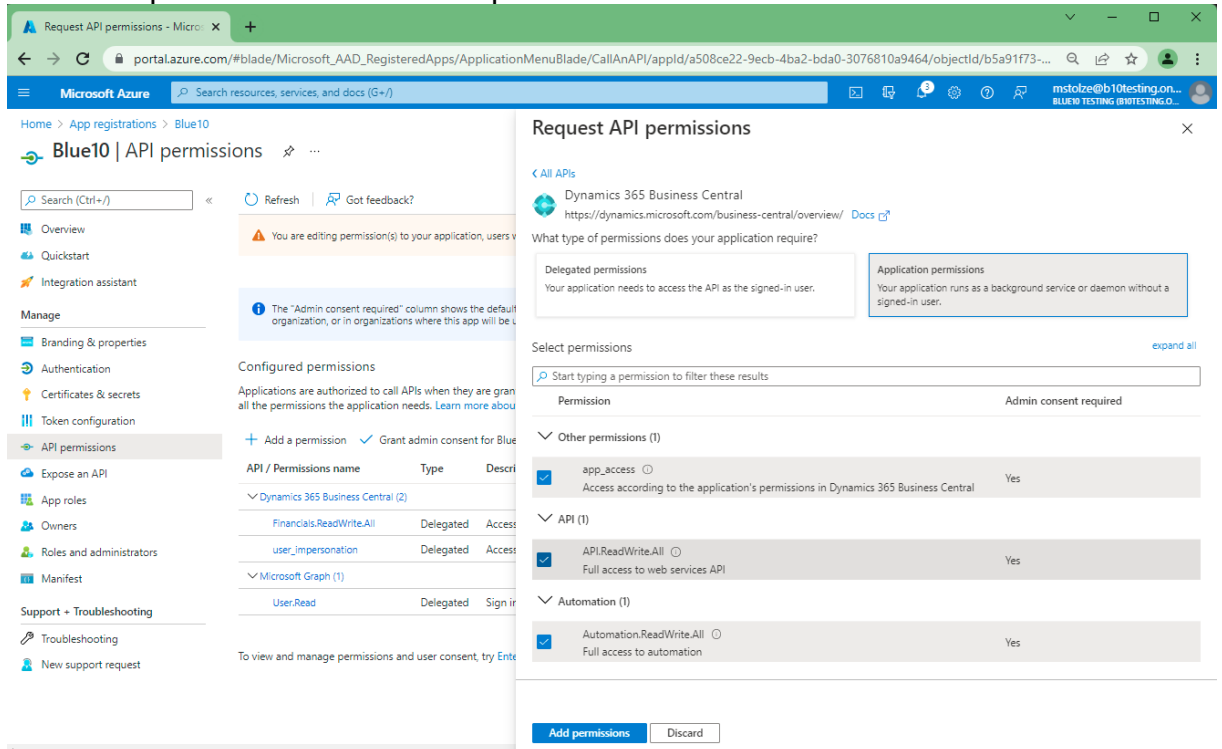
The screenshot shows the 'Request API permissions' dialog in the Azure portal. The left sidebar lists various management options, with 'API permissions' selected. The main area displays a grid of API tiles. A green arrow points from the 'Dynamics 365 Business Central' tile to the 'Add a permission' button in the 'Configured permissions' section.

14. Klik nu op Application permissions.



The screenshot shows the 'Request API permissions' dialog with the 'Application permissions' tab selected. A green arrow points from the 'Application permissions' tab to the 'Add permissions' button. The dialog shows a list of permissions for 'Dynamics 365 Business Central'.

15. Vink de 3 permissies aan en klik op **Add Permission**.



Request API permissions

What type of permissions does your application require?

Delegated permissions
Your application needs to access the API as the signed-in user.

Application permissions
Your application runs as a background service or daemon without a signed-in user.

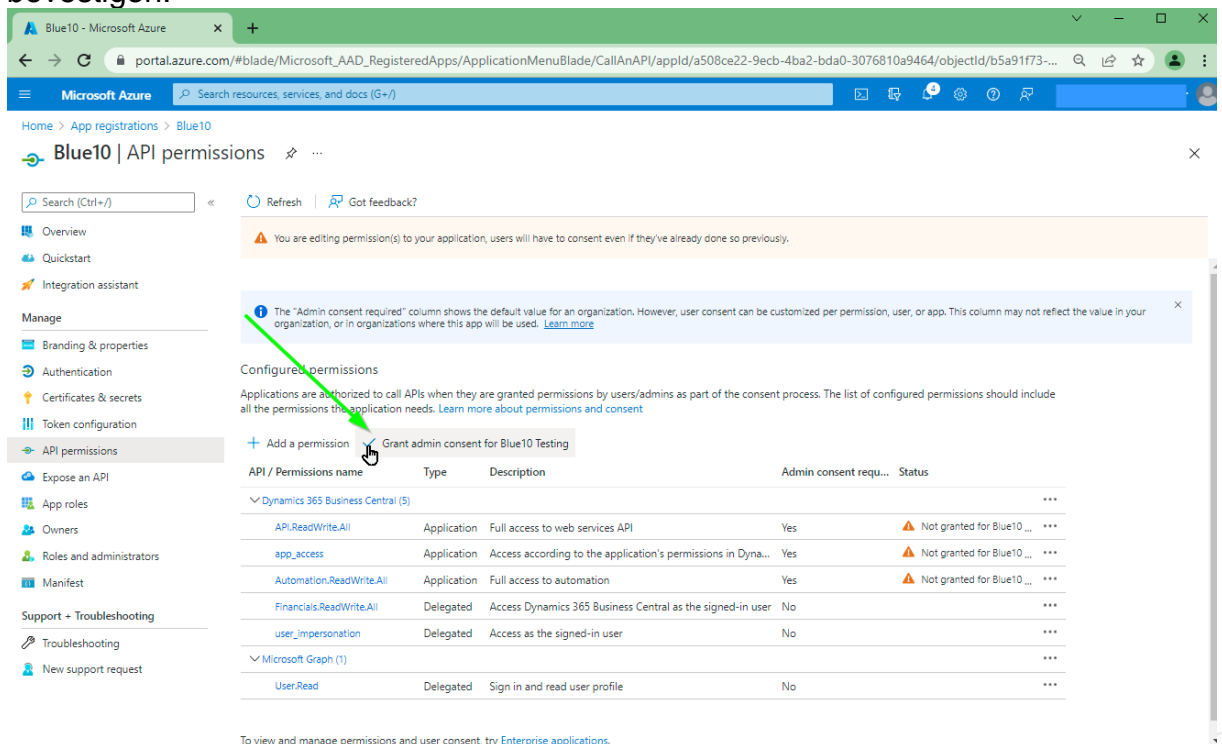
Select permissions

Start typing a permission to filter these results

Permission	Admin consent required
<input checked="" type="checkbox"/> app_access	Yes
Access according to the application's permissions in Dynamics 365 Business Central	
<input checked="" type="checkbox"/> API.ReadWrite.All	Yes
Full access to web services API	
<input checked="" type="checkbox"/> Automation.ReadWrite.All	Yes
Full access to automation	

Add permissions Discard

16. Klik op **Grant admin consent for 'tenant naam'** en klik op **Yes** om dit te bevestigen.



API permissions

The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This column may not reflect the value in your organization, or in organizations where this app will be used. [Learn more](#)

Configured permissions

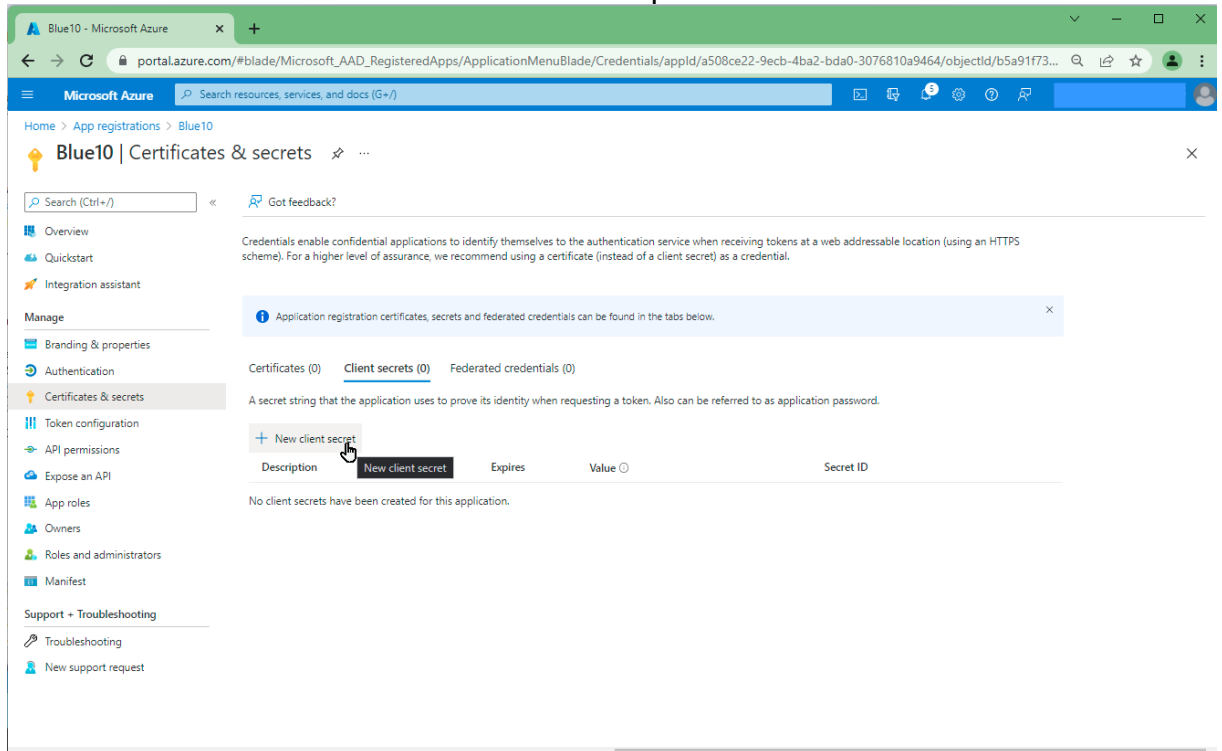
Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. [Learn more about permissions and consent](#)

Grant admin consent for Blue10 Testing

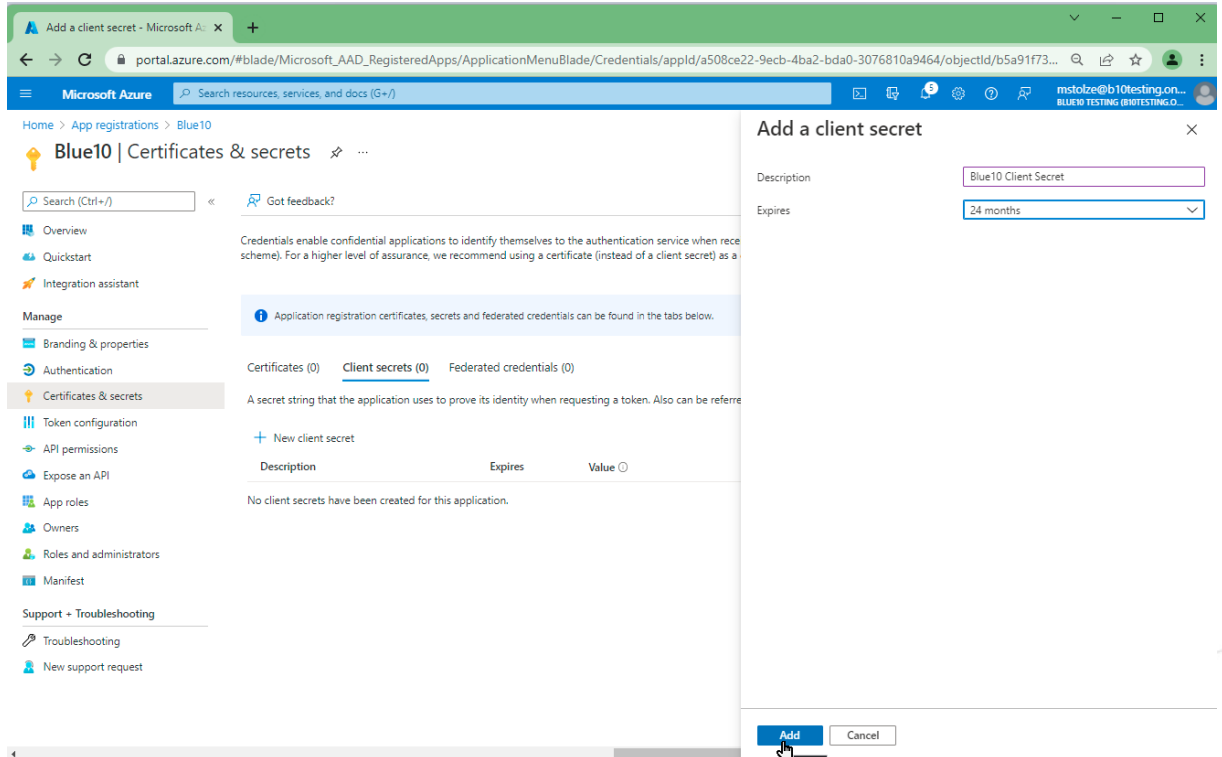
API / Permissions name	Type	Description	Admin consent required	Status
Dynamics 365 Business Central (5)				
API.ReadWrite.All	Application	Full access to web services API	Yes	Not granted for Blue10 ...
app_access	Application	Access according to the application's permissions in Dyna...	Yes	Not granted for Blue10 ...
Automation.ReadWrite.All	Application	Full access to automation	Yes	Not granted for Blue10 ...
Financials.ReadWrite.All	Delegated	Access Dynamics 365 Business Central as the signed-in user	No	...
user_impersonation	Delegated	Access as the signed-in user	No	...
Microsoft Graph (1)				
User.Read	Delegated	Sign in and read user profile	No	...

To view and manage permissions and user consent, try [Enterprise applications](#).

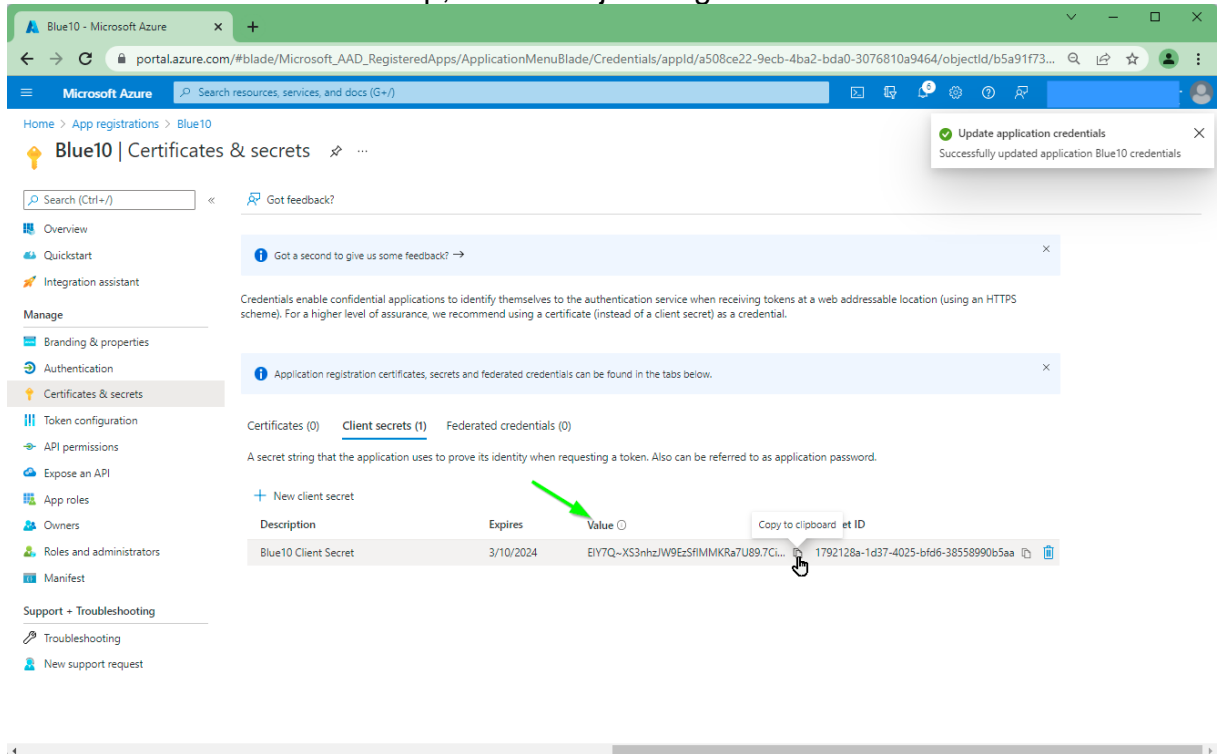
17. Kies nu voor **Certificates & Secrets** en klik op **New Client Secret**.



18. Vul een omschrijving in en geef een geldigheidsduur in. In ons voorbeeld kiezen we voor 24 maanden. Dat betekent dat de verbinding tussen Blue10 en de Business Central administratie 24 maanden lang een geldige verbinding heeft.

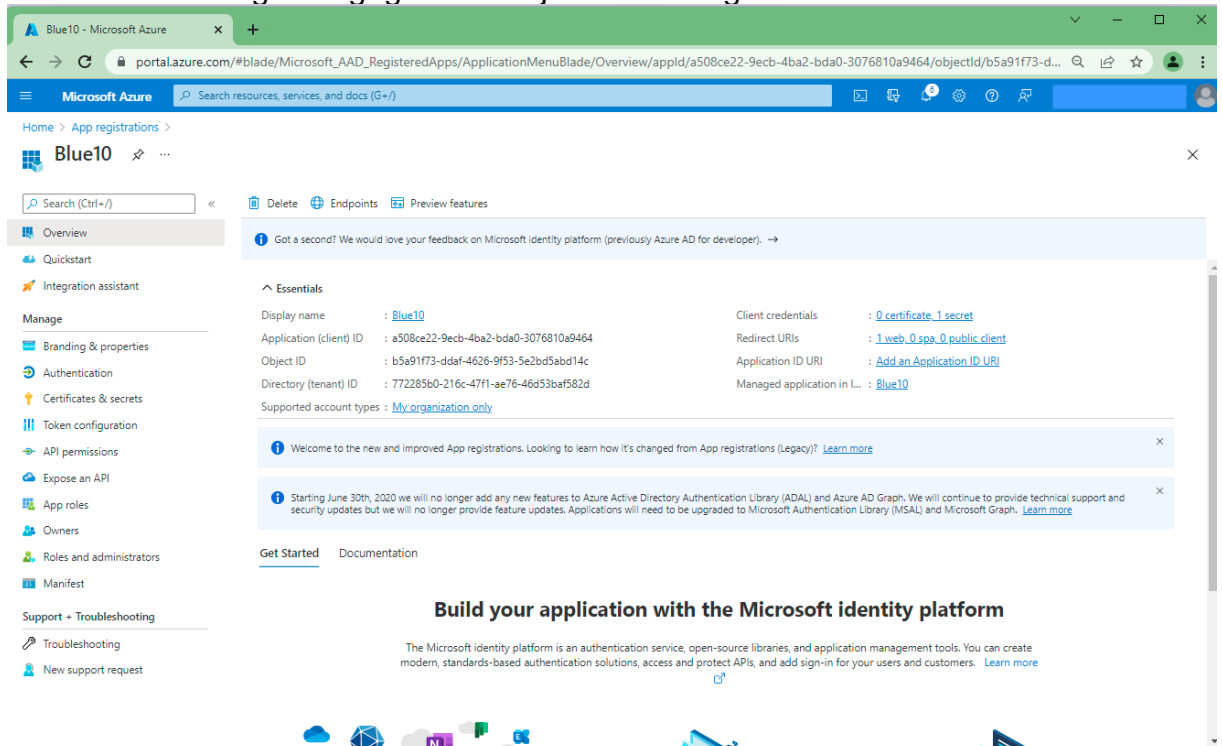


19. Sla de waarde onder **Value** op, deze heb je nodig in Blue10 als **Client Secret**.



Microsoft Azure portal screenshot showing the 'Certificates & secrets' page for an application. The 'Client secrets' tab is active, showing a table with one entry: 'Blue10 Client Secret'. The 'Value' column contains the secret string: 'EIY7Q~XS3nhzJW9EzSfIMMKRa7U89.7C...'. A green arrow points to the 'Value' column, and a tooltip 'Copy to clipboard' is visible over the value.

20. Je hebt nu de volgende gegevens tot je beschikking:



Microsoft Azure portal screenshot showing the 'Overview' page for an application. The 'Essentials' section displays key information:

- Display name: Blue10
- Application (client) ID: a508ce22-9ecb-4ba2-bda0-3076810a9464
- Object ID: b5a91f73-ddaf-4626-9f53-5e2bd5abd14c
- Directory (tenant) ID: 772285b0-216c-47f1-ae76-46d53baf582d
- Client credentials: 0 certificate, 1 secret

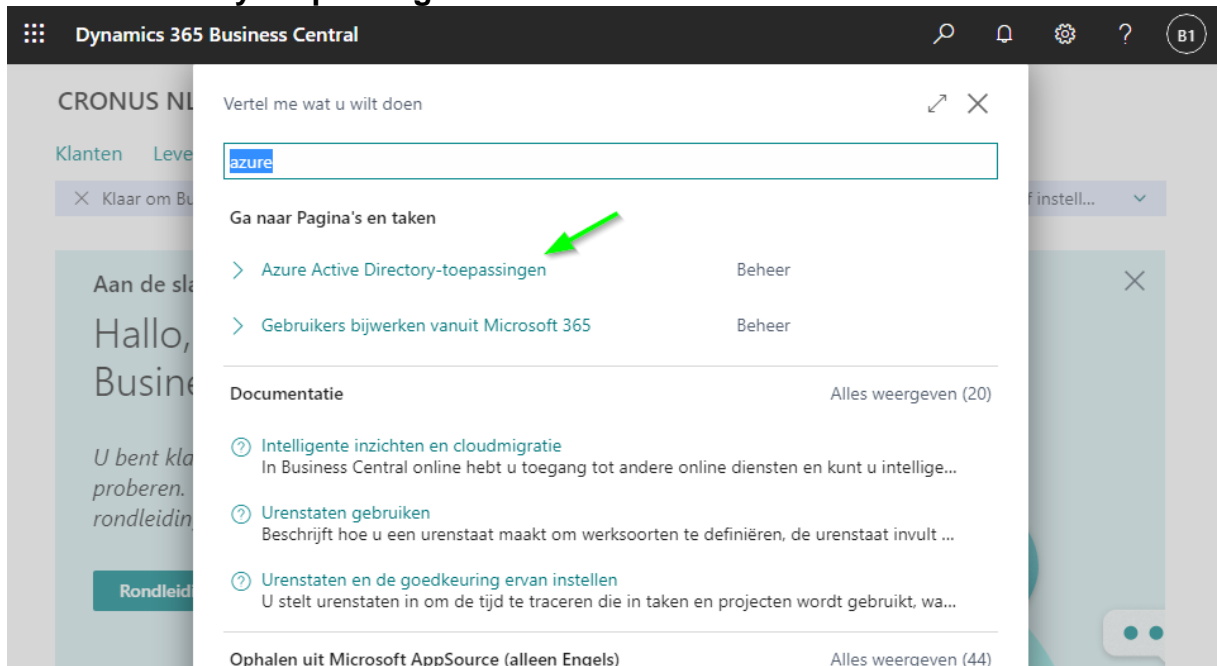
Client ID: a508ce22-9ecb-4ba2-bda0-3076810a9464

Client Secret: EIY7Q~XS3nhzJW9EzSfIMMKRa7U89.7C...7UM

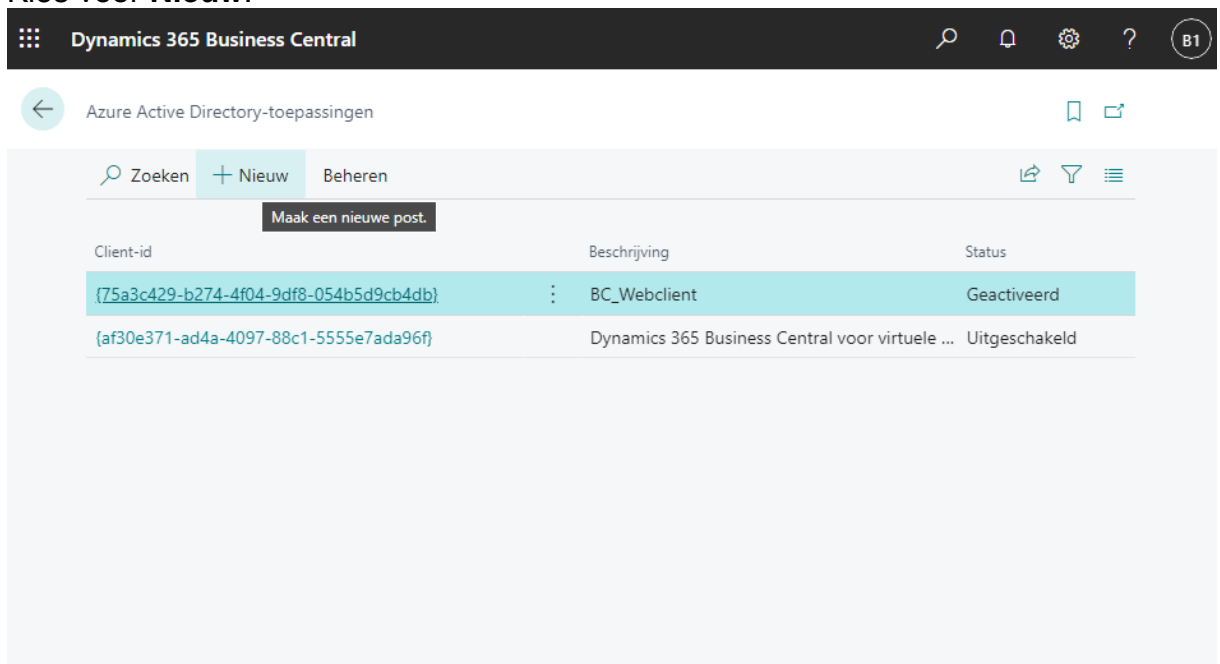
Tenant ID: 772285b0-216c-47f1-ae76-46d53baf582d

Het vervolg is om de Blue10 application registration toevoegen aan Business Central:

1. Open de Business Central omgeving en zoek op **Azure** of **AAD** en kies **Azure Active Directory-toepassing**.



2. Kies voor **Nieuw**.



3. Vul bij **Client-ID** de waarde in welke je bij de app registratie ziet staan. In ons voorbeeld is dit: a508ce22-9ecb-4ba2-bda0-3076810a9464

Dynamics 365 Business Central 🔍 🔔 ⚙️ ? B1

← ↻ + 🗑️ ✓ Opgeslagen

Kaart van Azure Active Directory-toepassing

🌐 Toestemming geven

Algemeen

Client-id {a508ce22-9ecb-4ba2-bda0-3076810a9464} Extension

Beschrijving * Blue10 Applicatie App-id {00000000-0000-0000-0000-0000-0000-0000-0000-0000} ...

Status Geactiveerd App-naam

Contactgegevens

Gebruikersgroepen | Beheren

Code ↑	Naam	Bedrijfsnaam ↑
→		CRONUS NL

4. Vul de gebruikersgroepen in zoals onderstaand voorbeeld:

← Kaart van Azure Active Directory-toepassing ↻ + 🗑️ ✓ Opgeslagen

Blue10 Applicatie

🌐 Toestemming geven

Algemeen

Client-id {a508ce22-9ecb-4ba2-bda0-3076810a9464} Extension

Beschrijving Blue10 Applicatie App-id {00000000-0000-0000-0000-0000-0000-0000-0000} ...

Status Geactiveerd App-naam

Contactgegevens

Gebruikersgroepen | Beheren

Code ↑	Naam	Bedrijfsnaam ↑
→	D365 BUS PREMIUM	D365 Premium Business Access
	D365 FINANCE	Financiële gegevens lezen en schrijven
	D365 FULL ACCESS	Dynamics 365 volledige toegang

5. Klik op **Gebruikersmachtigingen** en scroll naar beneden. Vul in het lege veld 'Blue10' in en druk op tab.

Dynamics 365 Business Central

Kaart van Azure Active Directory-toepassing

Blue10 Applicatie

Toestemming geven

Client-id {a508ce22-9ecb-4ba2-bda0-3077}

Beschrijving Blue10 Applicatie

Status Geactiveerd

Contactgegevens

extension

App-id {00000000-0000-0000-0000-0000 ...}

App-naam

Gebruikersgroepen | Beheren

Code ↑	Naam	Bedrijfsnaam ↑
→ D365 BUS PREMIUM	D365 Premium Business Access	CRONUS NL
D365 FINANCE	Financiële gegevens lezen en schrijven	CRONUS NL
D365 FULL ACCESS	Dynamics 365 volledige toegang	CRONUS NL

Gebruikersmachtigingssets | Beheren

Machtigings... ↑	Omschrijving	Bedrijf ↑	Extensienaam	Machtigingsbereik
D365 INV, SE...	Dyn. 365 voorra...	CRONUS NL	Base Application	System
D365 JOBS, E...	Dynamics 365 pr...	CRONUS NL	Base Application	System
D365 JOURN...	Dynamics 365 d...	CRONUS NL	Base Application	System
D365 JOURN...	Dynamics 365 d...	CRONUS NL	Base Application	System
D365 SETUP	Dyn. 365 bedrijfs...	CRONUS NL	Base Application	System
LOCAL	Land-/regiospeci...	CRONUS NL	Base Application	System
→ BLUE10	BLUE10		Blue10	Tenant

6. Je bent nu klaar met de inrichting. Op [deze blog](#) en doorloop de stappen van deel 2: Koppeling in Blue10 omzetten naar de nieuwe koppelmethodek.