# Dynamics 365 connection with ROGER365.io





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# **High-level overview of the steps**

- 1) Make an application registration in the tenant in which Dynamics 365 lives
- 2) Make an application user with the information from step 1
- 3) Give the application user the correct access in Dynamics

#### Needed for the connection with ROGER365.IO

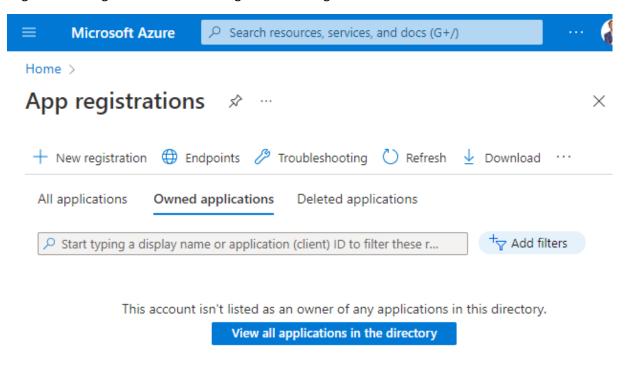
- 1) Azure application App registration ID
- 2) Azure application App registration secret
- 3) URL of Dynamics365 tenant (example <a href="https://example.crm4.dynamics.com/">https://example.crm4.dynamics.com/</a>)
- 4) TentantID where Dynamics365 lives

At the time of writing, there is no need to buy a license for an application user in Dynamics365.

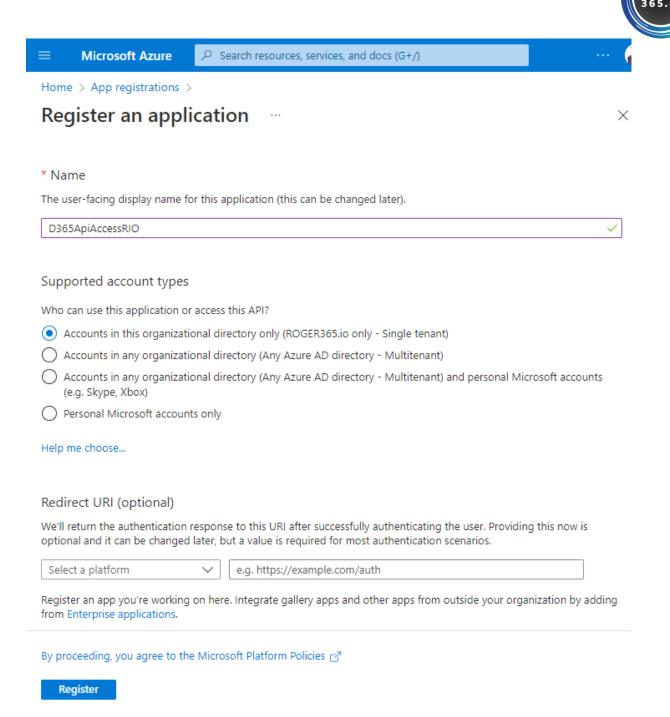


## **Entra ID application registration**

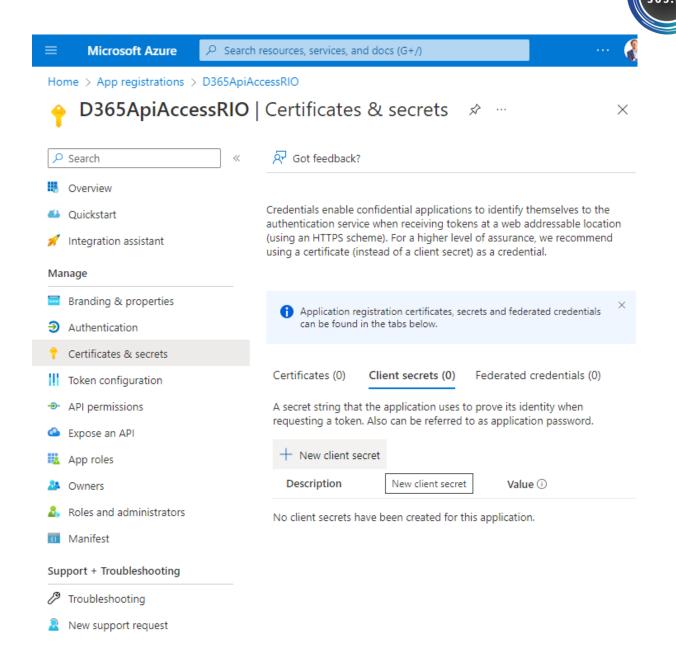
Login into the right Azure tenant with global admin rights



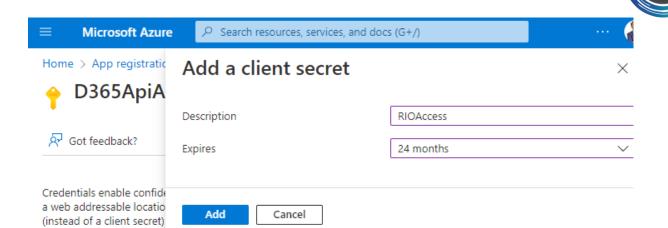
Search for App Registrations and choose New registration.



Create a new registration with the name D365ApiAccessRIO with the settings above. Confirm with the Register button.



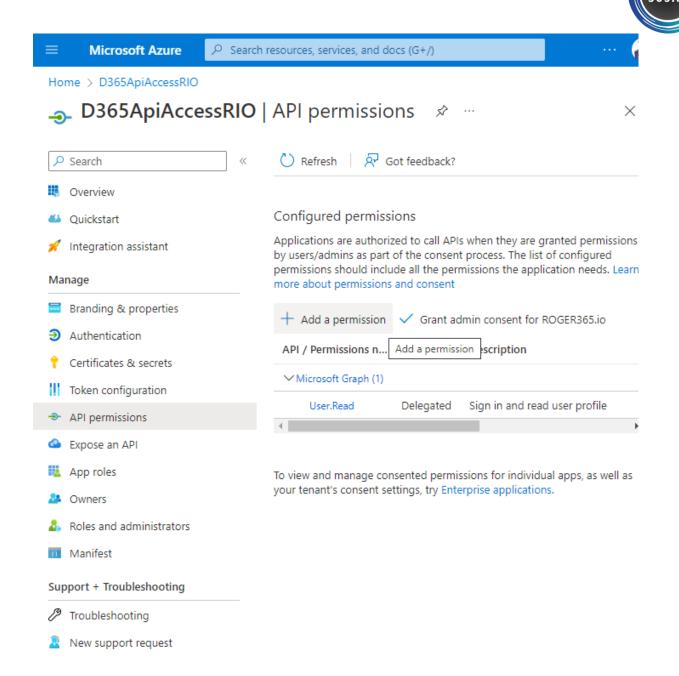
Then select the option Certificates & secrets and select New client secret



Create a new secret and select expiration date (make sure you schedule this, to avoid issues in the future when the secret expires). Click Add

The created secret that will be displayed, must be copied and stored safely, because the secret is only visible one time. If the secret is lost, a new secret can be made with this procedure.

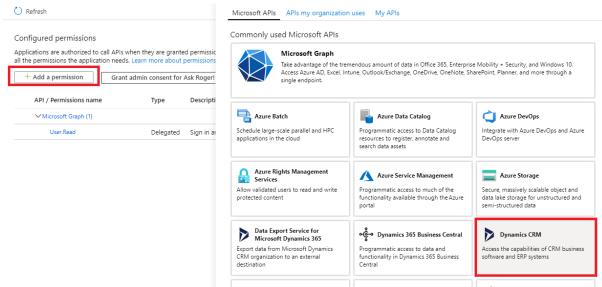
.



After the creation of the client secret, rights must be given to the app registration so it can access the Dynamics 365 tenant. This is done via the option Authentication of the app registration

Choose Add a permission and choose Dynamics CRM.





Choose delegated permissions and select user impersonation. Confirm this with the add permission button.



## Request API permissions

#### All APIs



Dynamics CRM

https://admin.services.crm.dynamics.com/ Docs

What type of permissions does your application require?

#### Delegated permissions

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

Application per Your application signed-in user.

## Select permissions

Type to search

#### Permission



user\_impersonation

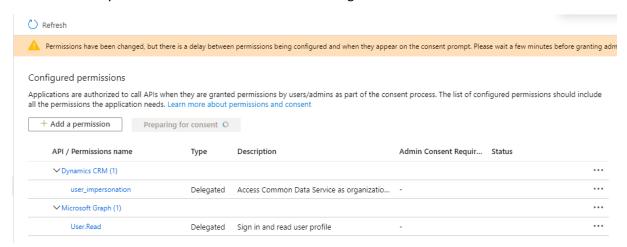
Access Comr on Data Service as organization users (i)

Add permissions

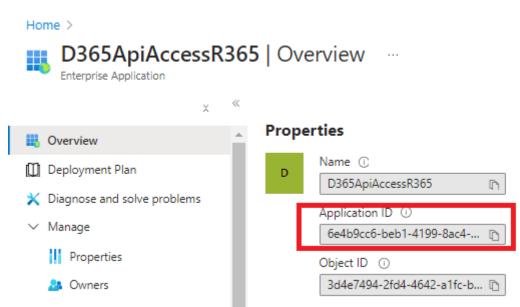
Discard



#### If done correctly the screen should now show the settings as below



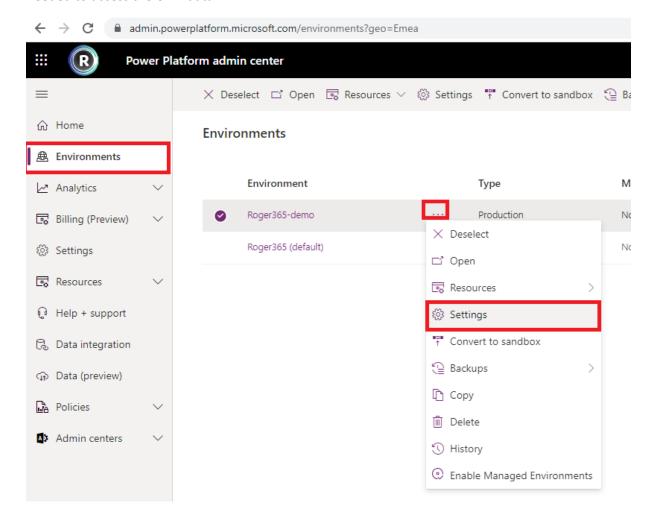
Save the Appid, this is needed for creating the Dynamics 365 application user.



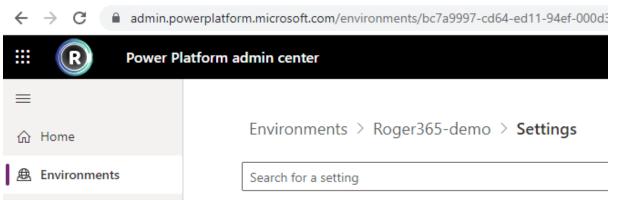


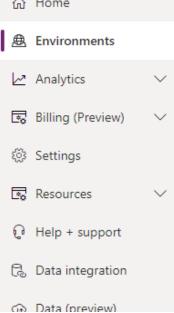
## **Create Dynamics 365 application user**

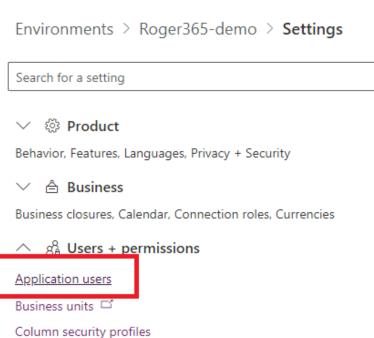
Go to <a href="https://admin.powerplatform.microsoft.com/tenantsetting">https://admin.powerplatform.microsoft.com/tenantsetting</a> for creating the application user, needed to access the CRM data.



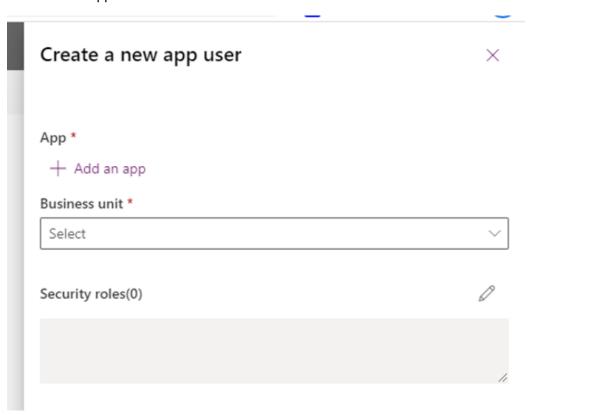






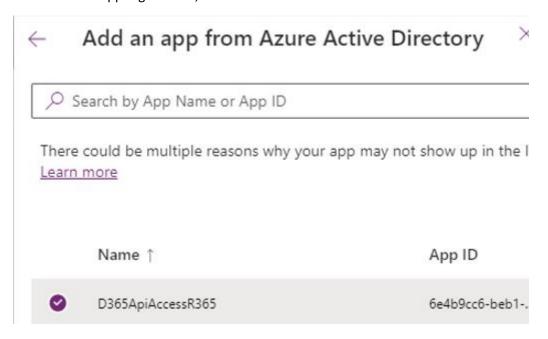


## Create a new app user





Add the azure app registration, created earlier





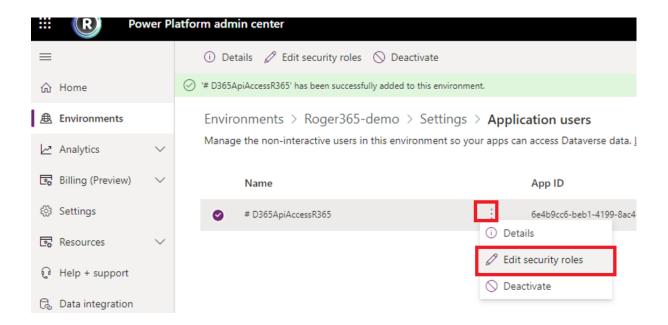
## Connect your organization

Create a new app user	×
App * D365ApiAccessR365	0
Business unit * org1bc73ee6	~
Security roles(0)	0
	,

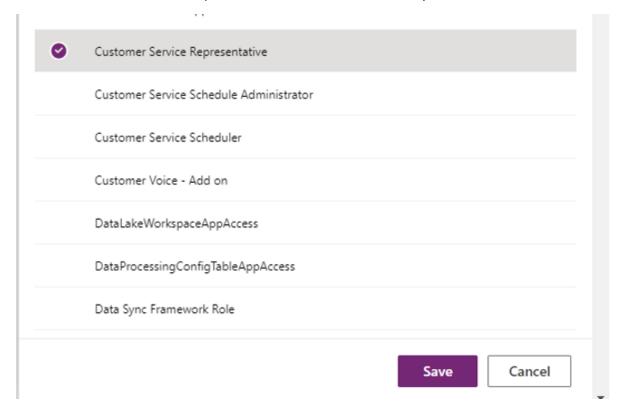


## Give Dynamics 365 right to the application user

The application user must be allowed to retrieve the data, this is also done in the power platform admin center.



Choose the customer service representative out of the list of security roles and save.

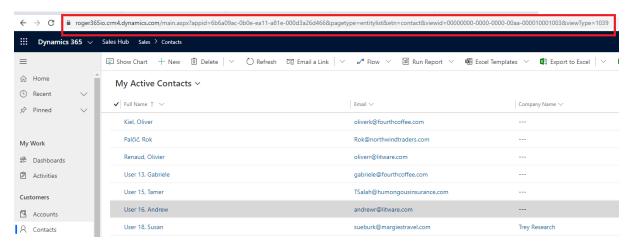




## **Getting the contact URL from Dynamics**

The contact URL is used to open Dynamics from Teams. This URL is used in the adaptive cards which ROGER365.IO creates in teams. In this way the CRM application can be opened quickly to store data.

In Dynamics365 go to accounts and choose this option. You see the URL changing in the browser. This is the deep link to this contact. And this is what we will replicate to ROGER365.IO. The platform will create this link dynamically with the contact found.



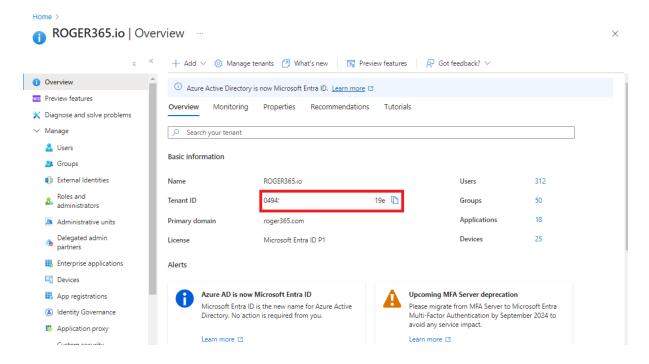
In the example above the URL is as shown below. From this URL we need the red appid. This is needed in creating the replicator in ROGER365.IO.

 $https://roger365io.crm4.dynamics.com/main.aspx?appid= {\bf 6b6a09ac-0b0e-ea11-a81e-000d3a26d466}\&pagetype=entitylist\&etn=contact\&viewid=00000000-0000-0000-000a-000010001003\&viewType=1039$ 



## **Retrieve Azure Tenant ID**

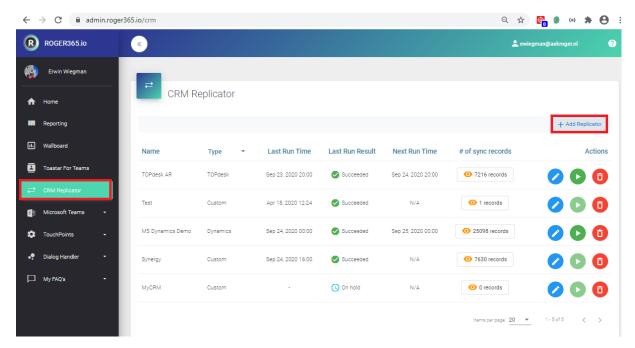
Go to portal.azure.com and choose Microsoft Entra ID. Get the tenant Id from the overview. This should be done in the tenant where Dynamics365 is located.





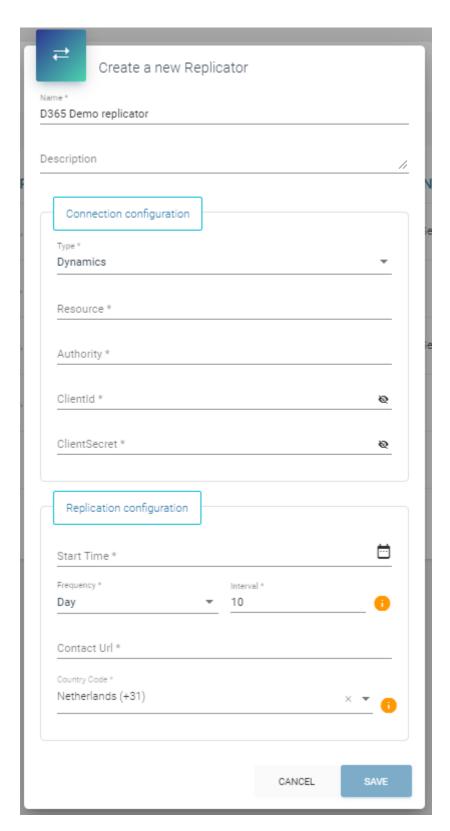
# **Creating the ROGER365 Dynamic replicator**

In the ROGER365.IO portal choose the CRM replicator option and choose the + add replicator



Give the replicator a Name and choose the type Dynamics from the pull-down menu. If done correctly the screen changes to the screen below





In this screen all the configuration from the previous steps will be used.

Setting	Value
Resource	URL to the D365 tenant for example: https://roger365io.crm4.dynamics.com
Authority	This is the URL where the login will take place. Syntax = https://login.microsoftonline.com/<< <i>Tenant ID&gt;&gt;</i> /oauth2/token
ClientID	Client Id of the Azure AD app registration made earlier



Client Secret	Client secret of the Azure AD app registration made earlier
Contact URL	https://roger365io.crm4.dynamics.com/main.aspx?appid=< <app d365="" found="" from="" id="" in="" the="" url="">&gt; &amp;pagetype=entityrecord&amp;etn=contact&amp;id={contactid}  For example:</app>
	https://roger365io.crm4.dynamics.com/main.aspx?appid=6b6a09ac-0b0e-ea11-a81e-000d3a26d466&pagetype=entityrecord&etn=contact&id={contactid}
Country Code	All phone numbers must be in E164 format. This setting gives the default country if local phone numbers are used. For more information see ask.roger365.io