Azure App Registration for Active Directory Authentication

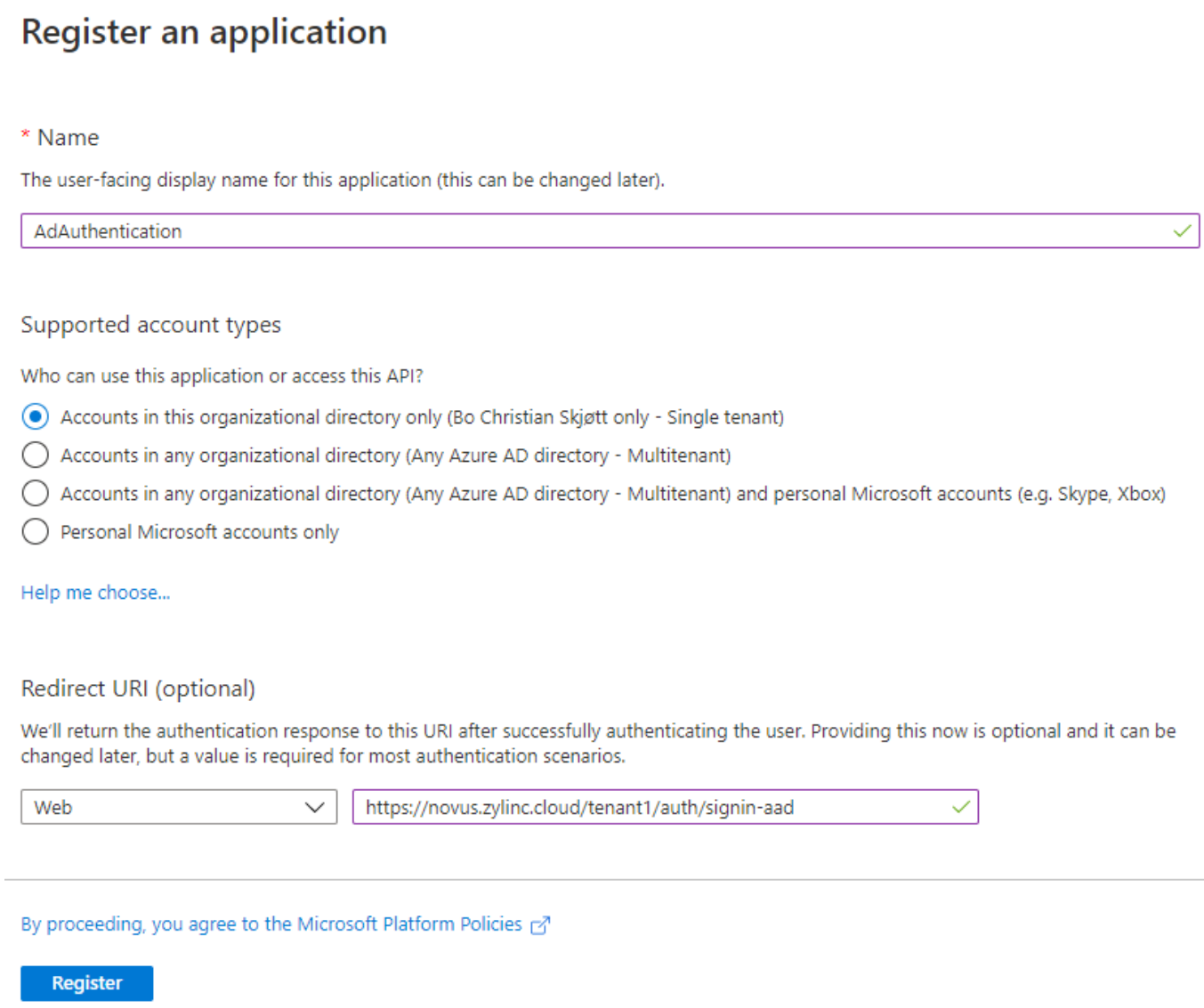
In order to be able to authenticate Novus users against an Azure Active Directory an Application must be created in Azure.

App creation in Azure portal

Go to your Active Directory in the Azure portal and follow the steps below.

Step 1. Register an App

Click App registrations, New registration.



Call it for example **AdAuthentication** and enter this Redirect URI:
https://novus.zylinc.cloud/tenant1/auth/signin-aad
where you replace *novus.zylinc.cloud* with the hostname of your installation.

Replace **tenant1** with the tenant number that this App registration is for.

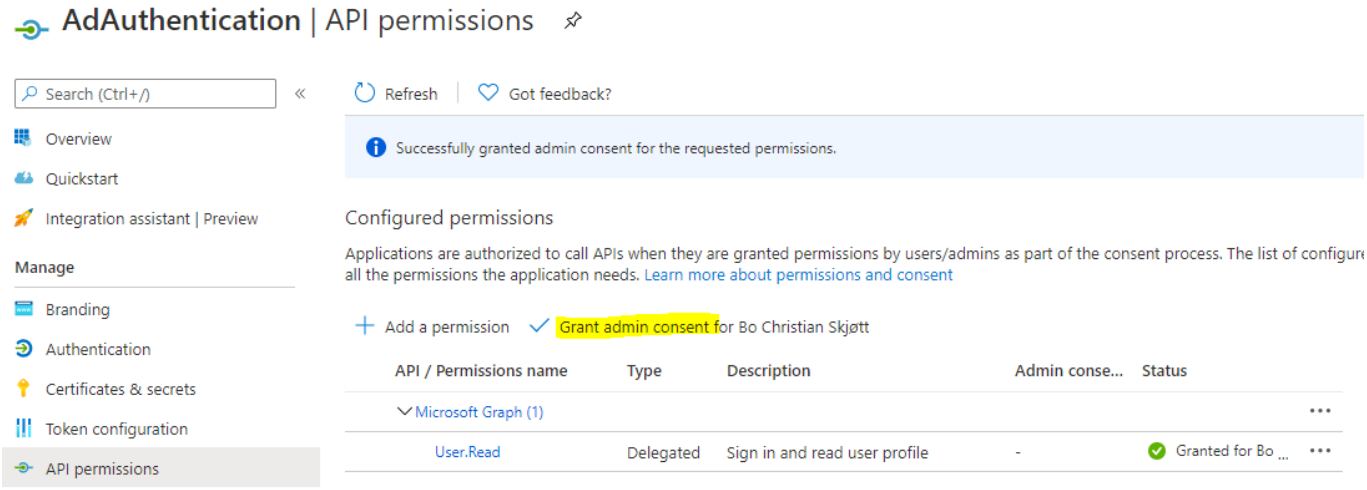
Click the Register button.

Step 2. Grant API permissions

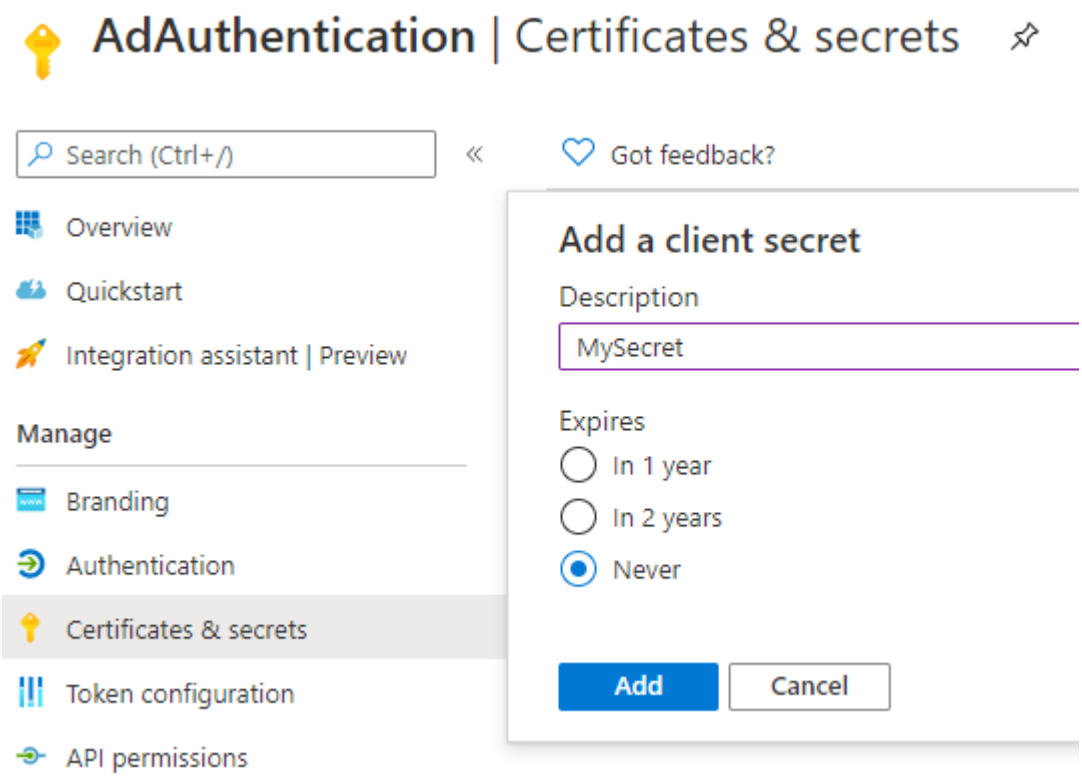
When you have created the application it already has the required API permission, which is *User.Read*.

Click on the **"Grant admin consent for ..."** button to grant admin consent for the API permissions.

The permissions are then as shown below



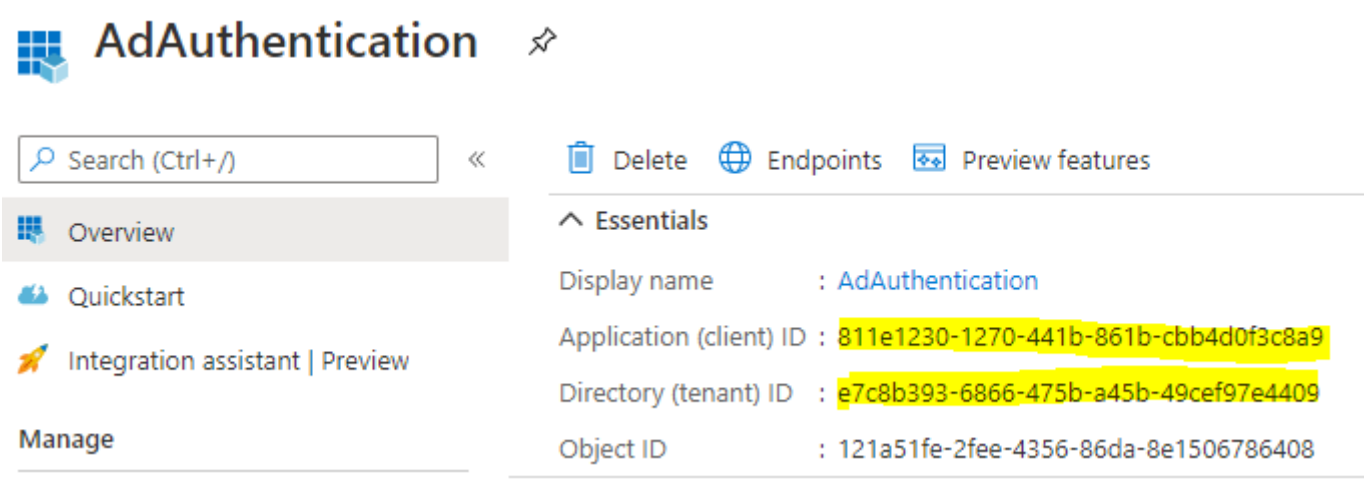
Step 3. Add a Client Secret



Take a copy of the generated secret. It is only shown during creation.

Step 4. Get the Client and Tenant IDs for the application

Go to the Application Overview page and copy the Client ID and Tenant ID. You need to enter these in the Novus Configuration UI along with the Client Secret.

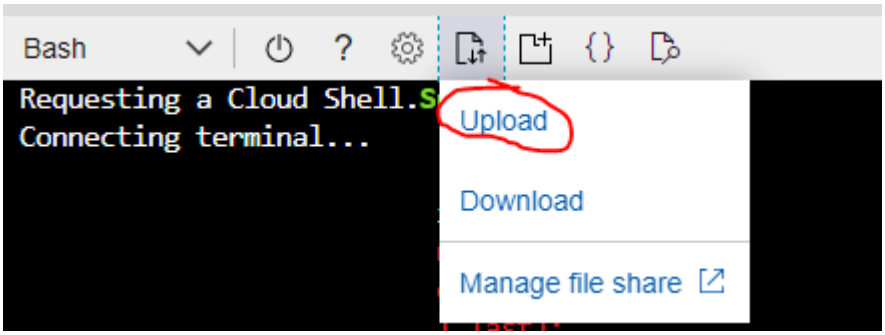


App creation using Azure CLI commands

The application can also be made with the Azure CLI commands below.

Copy the **requiredResourceAccess.json** file to the Azure storage (clouddrive) used by Azure CLI.

If you are using the **Cloud Shell** in the Azure Portal then you can click on the Upload File button in its menubar as shown below




```
az ad app create \
--display-name AdAuthentication \
--password VerySecretWord#1234 \
--end-date 2100-12-31 \
--reply-urls https://novus.zylinc.cloud/tenant1/auth/signin-aad \
--required-resource-accesses requiredResourceAccess.json
```

Replace the password with your choice.
Replace the **reply-urls** to match your installation.

Grant admin consent for the requested API permissions with this command

```
az ad app permission admin-consent --id 00000000-0000-0000-0000-000000000000
```

where 00000000-0000-0000-0000-000000000000 must be replaced with the actual ID of the application created above.

(Note: the az ad app permission admin-consent fails with an exception)