App Registration and Integration Setup for Microsoft Azure

Table of Contents

Updated: August 2023

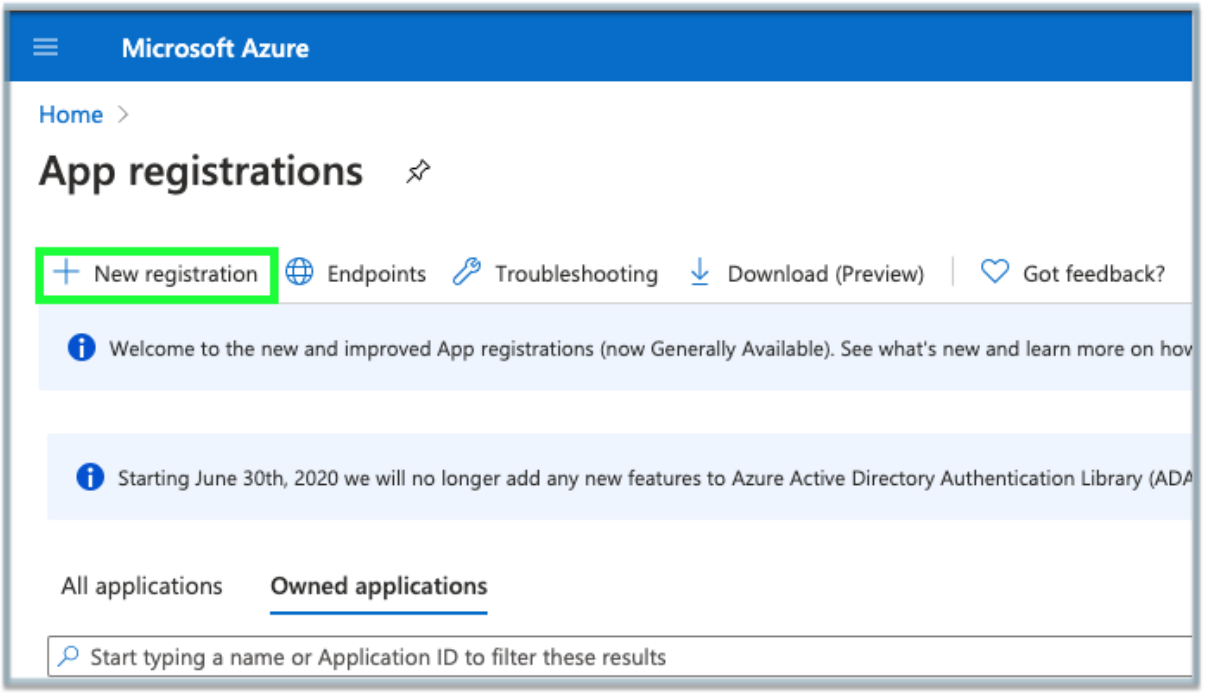
Password Reset for Azure

Espressive Barista has the ability to reset the password for Microsoft Azure users who have forgotten their password or do not have access to start with. In order to have this working for Azure Active Directory, some additional steps are needed.

Creating an App Registration

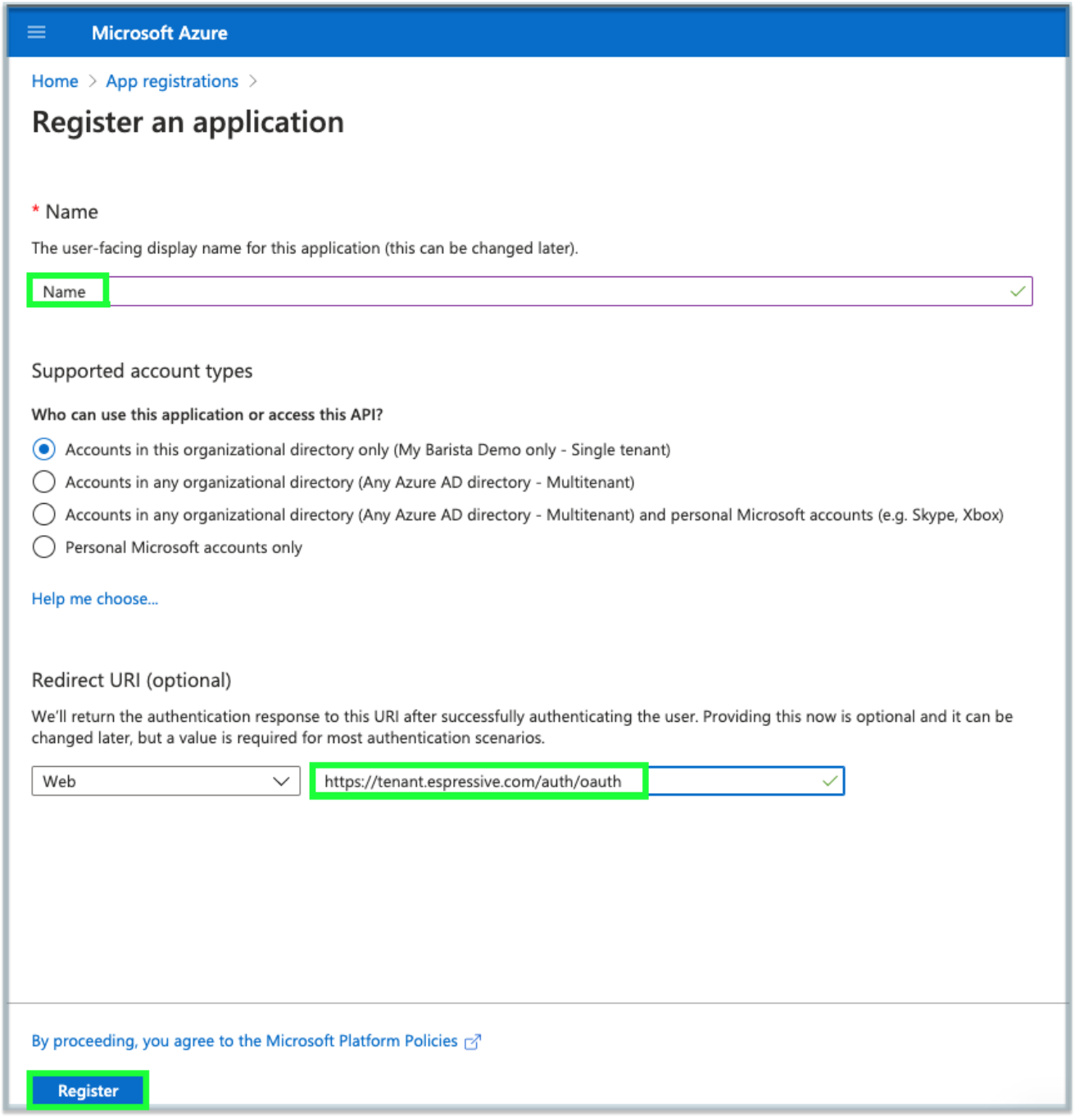
In order to connect your tenant to Active Directory, first create an app registration. If you already have one, you can skip these steps. Otherwise this can be done as follows:

1. Log into Azure as an admin user. Global Admin is always the preferable role.
2. Type **App registrations** into the search box.
3. Click on **App registrations**.
4. Click on **New registration**.



5. Provide a name for the registration, preferably something descriptive and unique.
6. In the Redirect URL section:
    1. Select Web option in the dropdown.
    2. Type `https://{tenant}.espressive.com/auth/oauth` in the text field.

7. Click **Register**.

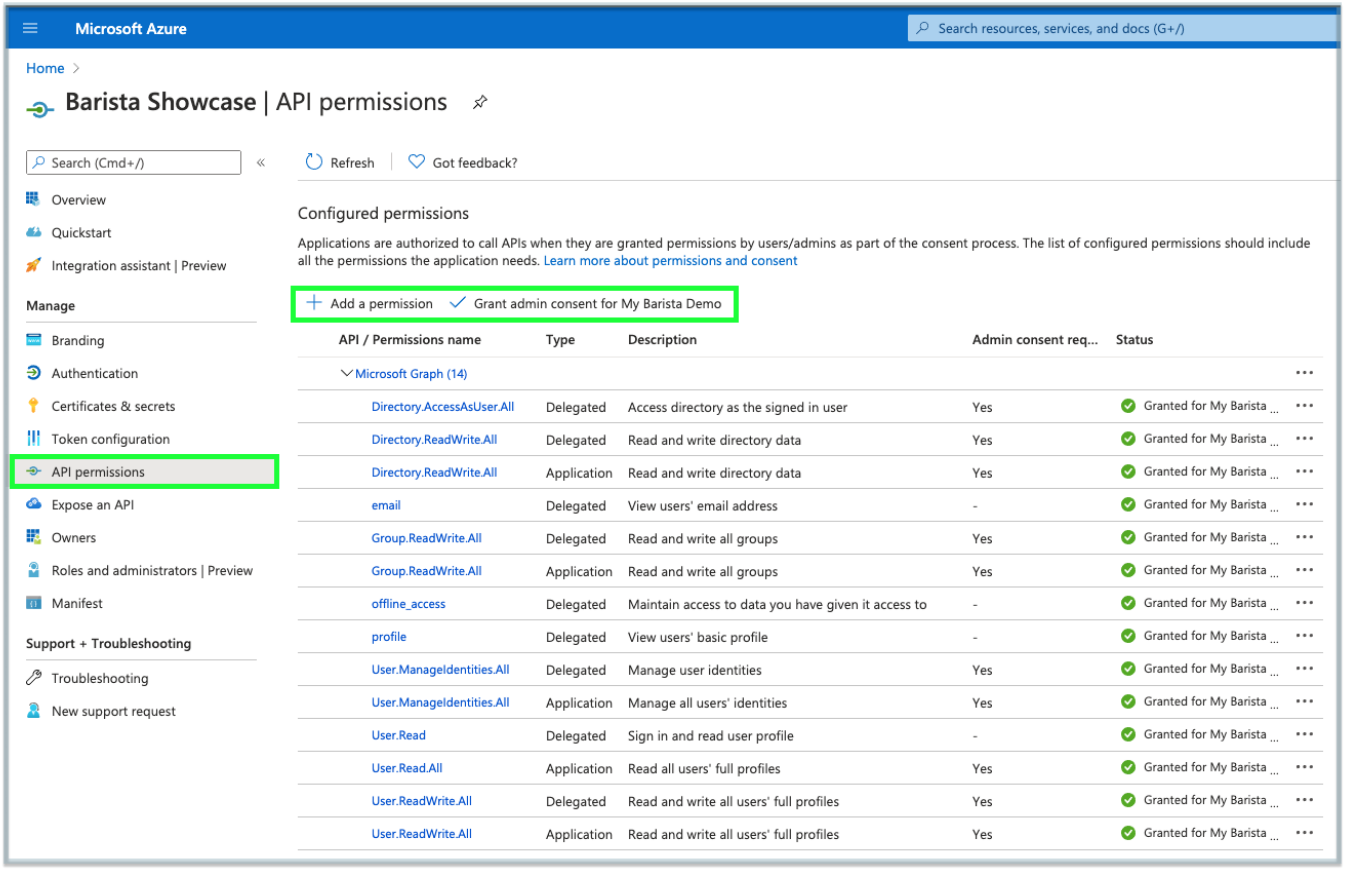


8. On the app registration page, click on **Certificates & secrets**.
9. Scroll down to the **Client Secrets section**.
10. Click on **New client secret**.
11. Provide a descriptive name for it and click **Add**.

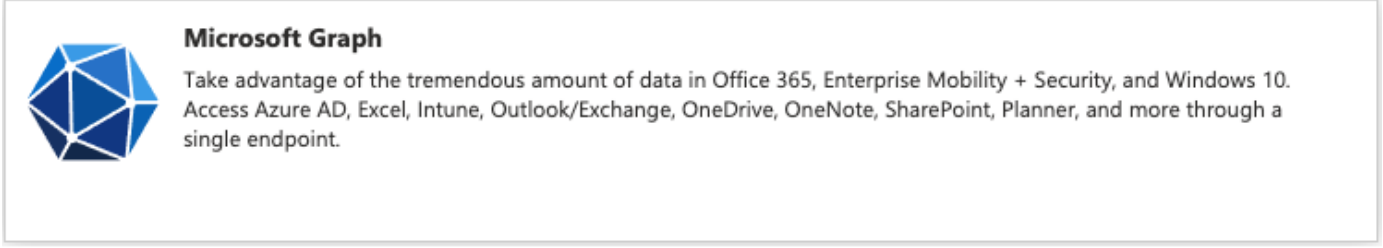
App Registration Permissions

Once an app registration is in place, you need to provide proper permissions in order to reset passwords.

1. Click on **API permissions**.
2. Click on **Add a permission**.



3. Click on **Microsoft Graph**.



4. Select the permission listed in the table below:

Permission	Type	Description
Directory.AccessAsUser.All	Delegated	Access directory as the signed-in user.
Directory.ReadWrite.All	Delegated	Read and write directory data.
Directory.ReadWrite.All	Application	Read and write directory data.
Email	Delegated	View a users' email address.
Group.ReadWrite.All	Delegated	Read and write all groups.
Group.ReadWrite.All	Application	Read and write all groups.
offline_access	Delegated	Maintain access to data you have given it access to.
Profile	Delegated	View a users' basic profile.
User.ManageIdentities.All	Delegated	Manage user identities.
User.ManageIdentities.All	Application	Manage all users' identities.
User.Read	Delegated	Sign in and read user profile.
User.Read.All	Application	Read all users' full profiles.
User.ReadWrite.All	Delegated	Read and write all users' full profiles.
User.ReadWrite.All	Application	Read and write all users' full profiles.

In this section, you can find the list of permissions for READ-ONLY. This is used when not doing password reset or Active Directory group management.

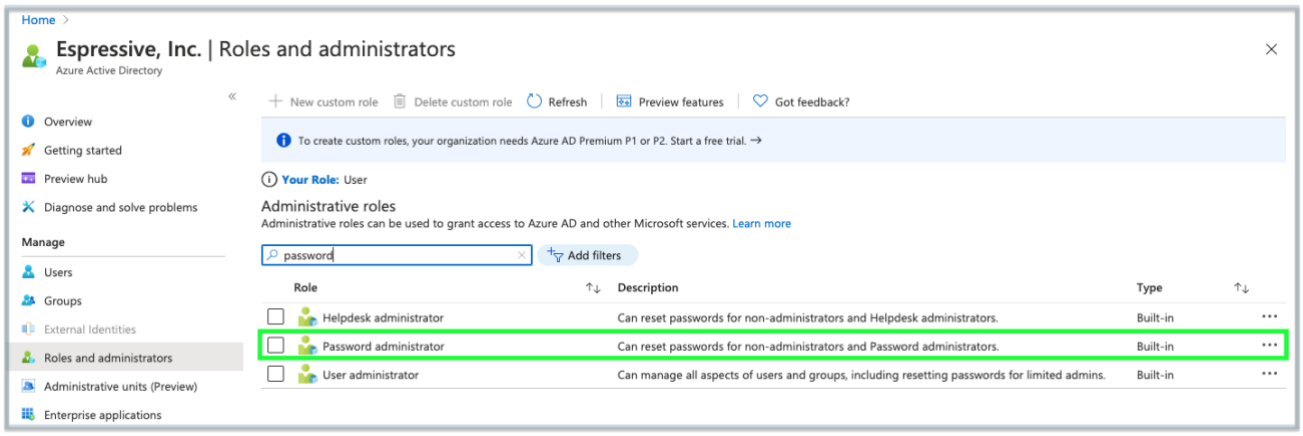
Permission	Type	Description
Email	Delegated	View user email address.
offline_access	Delegated	Maintain access to data you have access to.
Profile	Delegated	View user basic profile.
User.Read	Delegated	Sign in and read user profile.
User.Read.All	Application	Read all users full profiles.
Group.Read.All	Delegated	Read all groups information.
Group.Read.All	Application	Read all groups information.
Directory.AccessAsUser.All	Delegated	Access directory as the signed-in user.
Directory.Read.All	Delegated	Read all directory information.
Directory.Read.All	Application	Read all directory information.

5. Click on **Grant admin consent for {tenant}**.

Assign Role

You will need to assign the Password Administrator role to the User Principal associated with your app registration.

1. Click Go to the Azure Active Directory.
2. Click on **Roles and administrators** from the menu on the left.
3. Inside this section, search for "Password and administrator."
4. Click on the **Password administrator** option.



5. Click on **Add assignments**.
6. On the left side menu, search for your app registration name.
7. Select the app registration listed.
8. Click on **Add**.