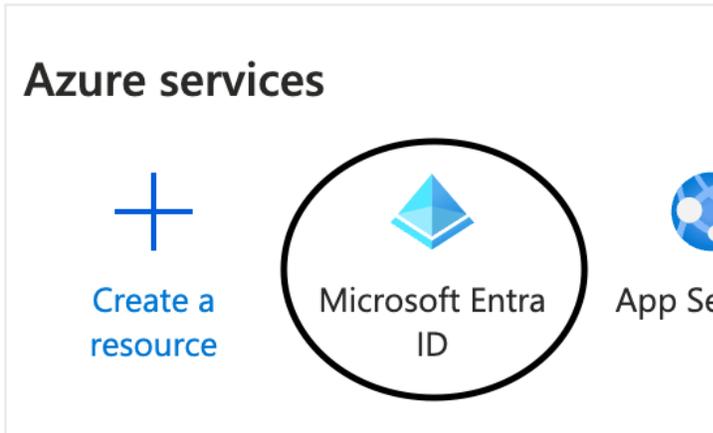


Setting up Azure AD with a LymeTemplate Scaffolded App

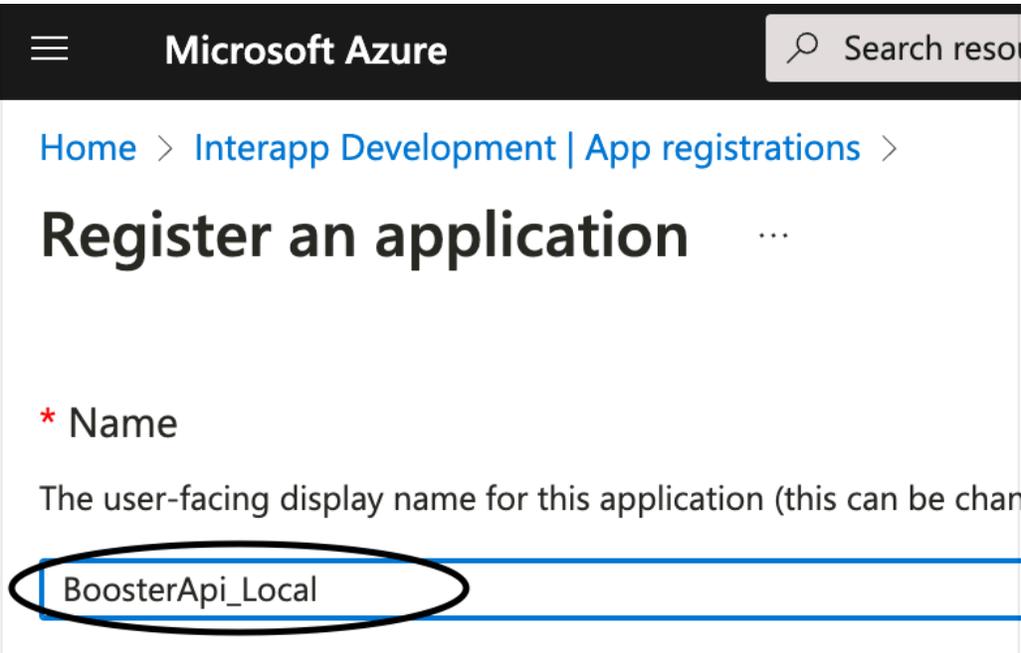
1. Navigate to the Azure Portal: <https://portal.azure.com>
2. Go to the Microsoft Entra ID (formerly AzureAD) section of the Azure Portal



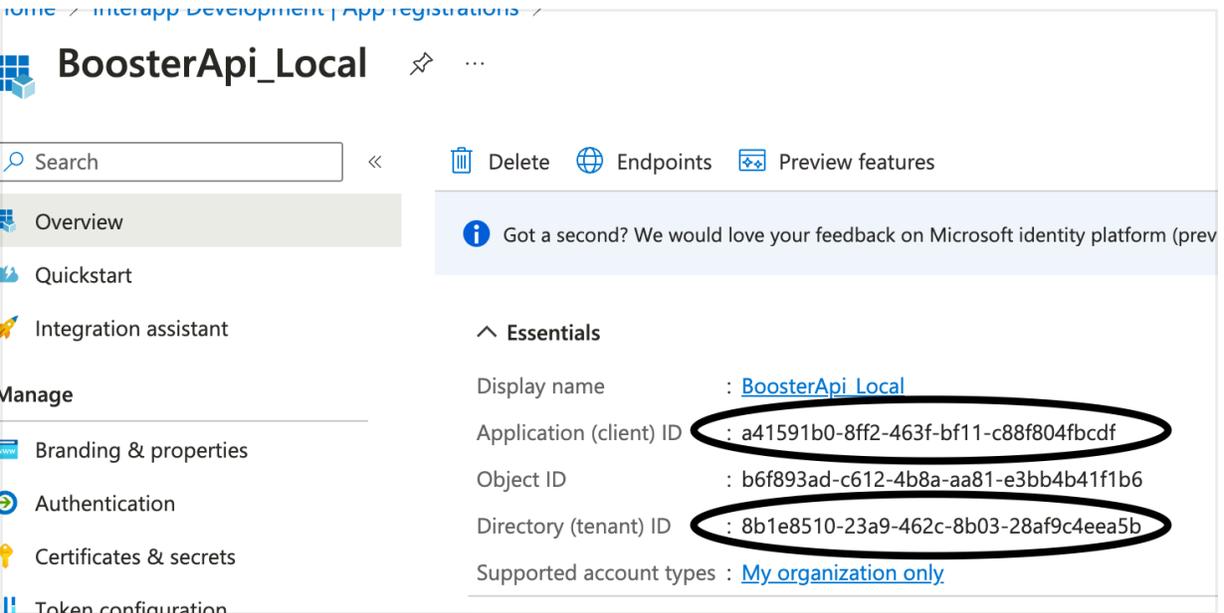
3. Go to the App Registrations option from the left menu:
4. Register your API: Click "New App Registration"



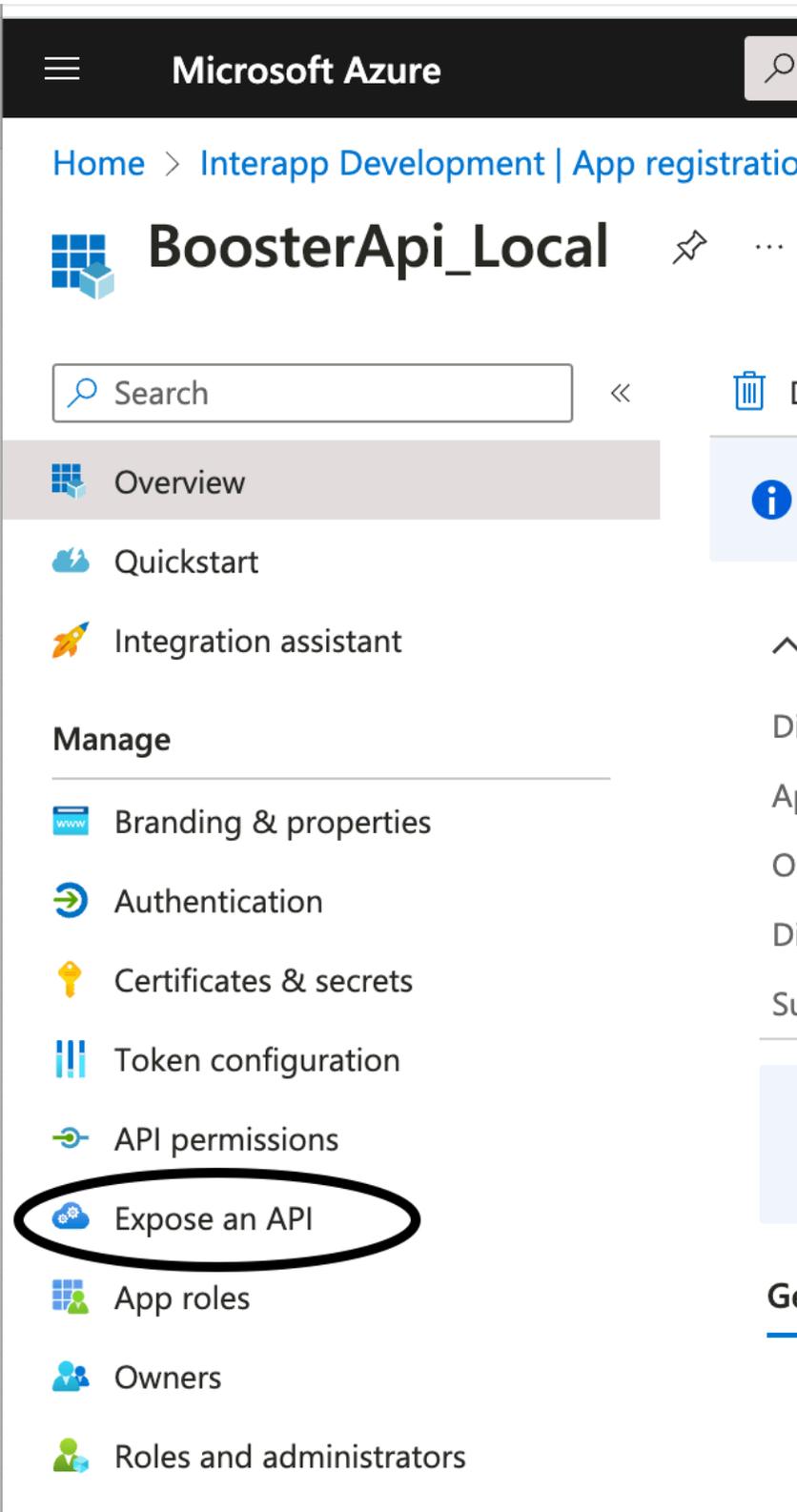
1. Enter in the name of the new API Registration. In this example, the name being typed is `BoosterApi_Local`. This is just a convention to help keep these app registrations separate among app instances and environments. If you are scaffolding an application, replace 'Booster' with your new app name and if you are configuring to another environment, such as Production, replace 'Local' with the environment name. (e.g. `BoosterApi_Production`). All you need to do is enter the application name and press the Register button on the page.



1. After pressing save, take note of the Client ID that gets generated as well as your Tenant ID. In your Note, label it as "API Client ID" and "Tenant ID". You'll be using these later in your code.



1. Click the "Expose an API" option from the left menu:



1. At the top of the current page, view, click the "Add". Button next the the Application ID URI label. This will create a URL for your API to enable access. By default, this matches your API client ID that you already noted earlier. Pressing the "Save" button after clicking the add button will

complete this step.

Home > Interapp Development | App registrations > BoosterApi_Local

BoosterApi_Local | Expose an API

Search << Got feedback?

- Overview
- Quickstart
- Integration assistant

Application ID URI **Add**

Scopes defined by this API

1. On the same screen, click the "Add Scope" button:

Home > Interapp Development | App registrations > BoosterApi_Local

BoosterApi_Local | Expose an API

Search << Got feedback?

Application ID URI : Edit

Scopes defined by this API

Define custom scopes to restrict access to data and functionality protected by the API. An app 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 create application type. [Go to App roles.](#)

+ Add a scope

Scopes	Who can consent	Ad
No scopes have been defined		

1. Fill the form that appears similarly and click the "Add Scope" button:

Add a scope

Scope name * ⓘ
UserAccess
api://a41591b0-8ff2-463f-bf11-c88f804fbcdf/UserAc

Who can consent? ⓘ
 Admins and users Admins only

Admin consent display name * ⓘ
UserAccess

Admin consent description * ⓘ
UserAccess

User consent display name ⓘ
UserAccess

User consent description ⓘ
UserAccess

State ⓘ
 Enabled Disabled

That's it. We should be done with the API. Next we will register and configure the client app.

1. Return to the Main App Registrations area and click "New App Registration". This time, you will need to fill out the Name of the application using the same naming conventions that we used for the Api, but this time replace 'Api' with 'App'. In our running example it would be 'BoosterApp_Local'. Additionally for the app registration, you'll need to specify the application as a "Single Page Application (SPA)" and type in a

Redirect URI, which is a return URL that should be registered as a return destination after the user logs in. Locally, that value is:

<http://localhost:4200/>

Remember the trailing slash in the URL. It's important. Click Register

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

Home > Interapp Development | App registrations >

Register an application

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

BoosterApp_Local

Supported account types
Who can use this application or access this API?

- Accounts in this organizational directory only (Interapp Development 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. 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, but a value is required for most authentication scenarios.

Single-page application (SPA)

Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding them to your app.

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

Register

1. Take note of the newly generated client ID. Keep this in your note and label it "App Client ID". We will use this later in our code.

Home > Interapp Development | App registrations >

BoosterApp_Local

Search << Delete Endpoints Preview features

Overview
Quickstart
Integration assistant

Manage

- Branding & properties
- Authentication
- Certificates & secrets
- Token configuration

Got a second? We would love your feedback on Microsoft identity platform (previo

Essentials

Display name	: BoosterApp_Local
Application (client) ID	: 3794d0a3-b608-4ce2-b3c7-ebc0e0d0fad6
Object ID	: c9b2a87f-e3bb-4928-9055-170e0eae1394
Directory (tenant) ID	: 8b1e8510-23a9-462c-8b03-28af9c4eea5b
Supported account types	: My organization only

1. Click the 'API Permissions' menu option from the left menu:

BoosterApp_Local ...

<<

 Delete  Endpoints  Preview for

 Overview

 Quickstart

 Integration assistant

Manage

 Branding & properties

 Authentication

 Certificates & secrets

 Token configuration

 **API permissions**

 Expose an API

 App roles

 Owners

 Roles and administrators

 Got a second? We would love your feedback

^ Essentials

Display name : [BoosterApp_Local](#)

Application (client) ID : 3794d0a3-b6

Object ID : c9b2a87f-e3b

Directory (tenant) ID : 8b1e8510-23

Supported account types : [My organization](#)

 Starting June 30th, 2020 we will no longer provide updates but we will no longer provide

[Get Started](#)

[Documentation](#)

1. Click the 'Add a Permission' button.

Home > Interapp Development | App registrations > BoosterApp_Local

BoosterApp_Local | API permissions

Search << Refresh | Got feedback?

- Overview
- Quickstart
- Integration assistant

Manage

- Branding & properties
- Authentication
- Certificates & secrets
- Token configuration
- API permissions**
- Expose an API
- App roles

Configured permissions

Applications are authorized to call APIs when they are granted all the permissions the application needs. [Learn more about permissions](#)

+ Add a permission Grant admin consent for Interapp Development

API / Permissions name	Type	Description
Microsoft Graph (1)		
User.Read	Delegated	Sign in with a Microsoft account

Note: The "Admin consent required" column shows the default organizations where this app will be used. [Learn more](#)

1. Next Click 'My APIs' that appears in the form that comes up:

Request API permissions

Select an API

Microsoft APIs APIs my organization uses **My APIs**

Commonly used Microsoft APIs

Microsoft Graph

1. You should see your newly registered API in this list. If you do not see it,

you may need to configure the API app registration in the "Ownership" area to assign yourself ownership of the API (that's what it made me do the first time I tried this)

Request API permissions

Select an API

Microsoft APIs APIs my organization uses **My APIs**

Applications that expose permissions are shown below

Name	Application (client) ID
MjcApi_UAT	a7ce6b65-8199-4d49-a64b-a064af68e812
AzureDemoApi	2f534d45-4df0-4a8f-a32b-9d8cab06decc
BoosterApi_Local	a41591b0-8ff2-463f-bf11-c88f804fbcdf
MjcApi_Local	8318a3a4-dfc9-495e-895d-a0e65dd13e9b

2. The following form will appear. Check off the "UserAccess" permission which points back the the API permission we setup on the Isat step of the API setup. Click the "Add Permissions" button to save this step.

Request API permissions

[← All APIs](#)



BoosterApi_Local

api://a41591b0-8ff2-463f-bf11-c88f804fbcdf

What type of permissions does your application require

Delegated permissions

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

Select permissions



The "Admin consent required" column shows the default permission, user, or app. This column may not reflect the [more](#)

Permission

∨ Permissions (1)



UserAccess ⓘ

UserAccess

3. After saving the permission assignment, click the "Grant admin sent for [YourOrganizationName]" button and click 'Yes' to confirm the action.

Configured permissions

Applications are authorized to call APIs when they are granted permissions by using all the permissions the application needs. [Learn more about permissions and consent](#)

[+](#) Add a permission Grant admin consent for Interapp Development

API / Permissions name

Type

Description

[∨](#) [BoosterApi_Local](#) (1)