

# Terraform with Azure

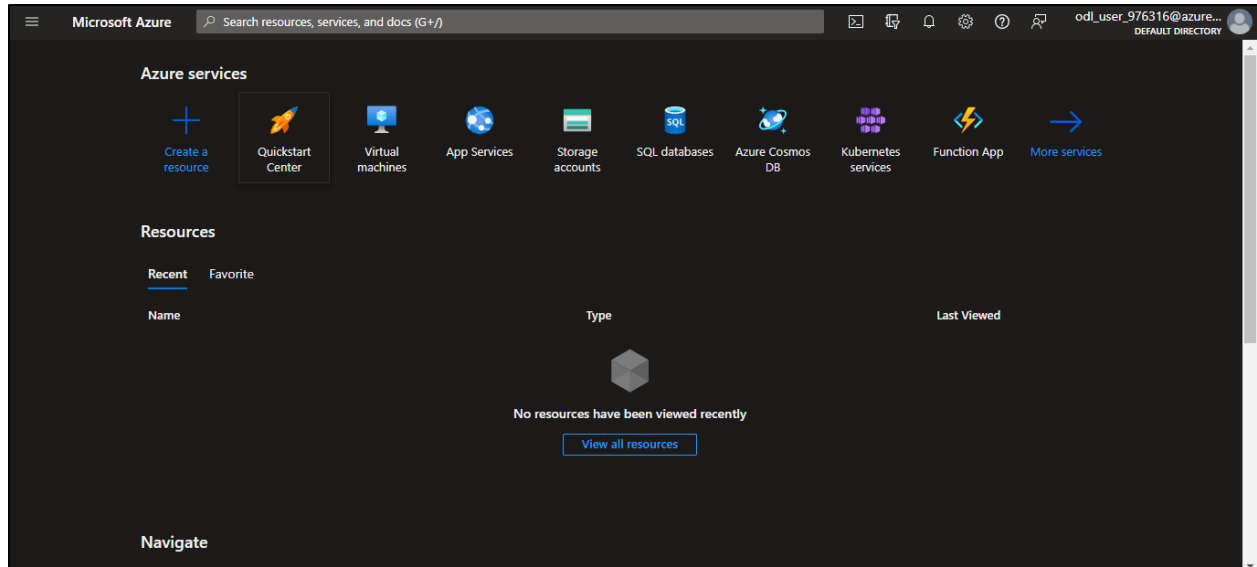
## Setup Programmatic Access for Terraform with Azure Access Key ID and Secret Access Key:

To use **Access Key ID** (Object ID of App Registration) and **Secret Access Key** (Client Secret present in that App Registration), first we need to create an **App Registration (Service Principal)** in Azure.

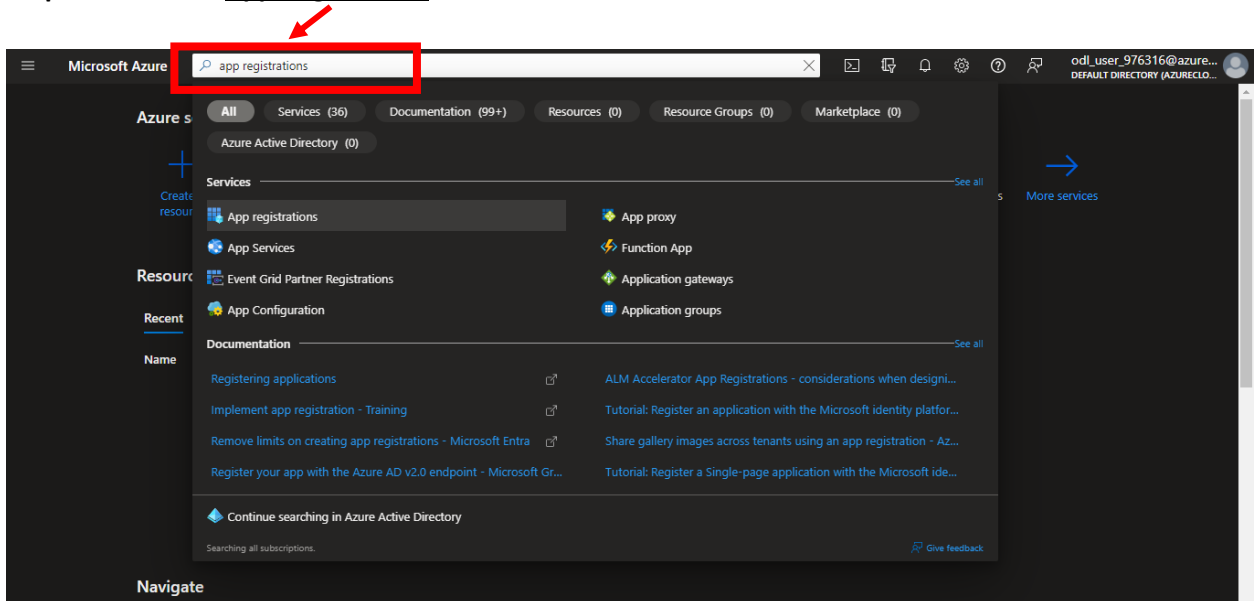
Please follow steps given on URL: <https://jiasli.github.io/azure-notes/aad/Service-Principal-portal.html>

Once you have your app registration ready then follow below steps.

### Step 1: Login to Azure account

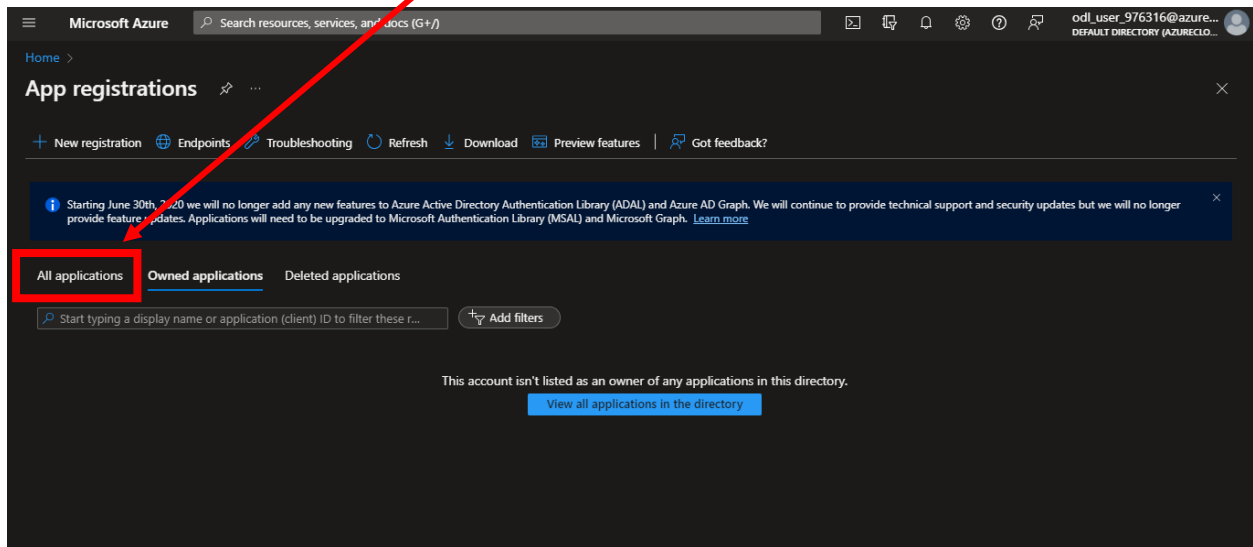


### Step 2: Search for **App Registration** service and click on it.

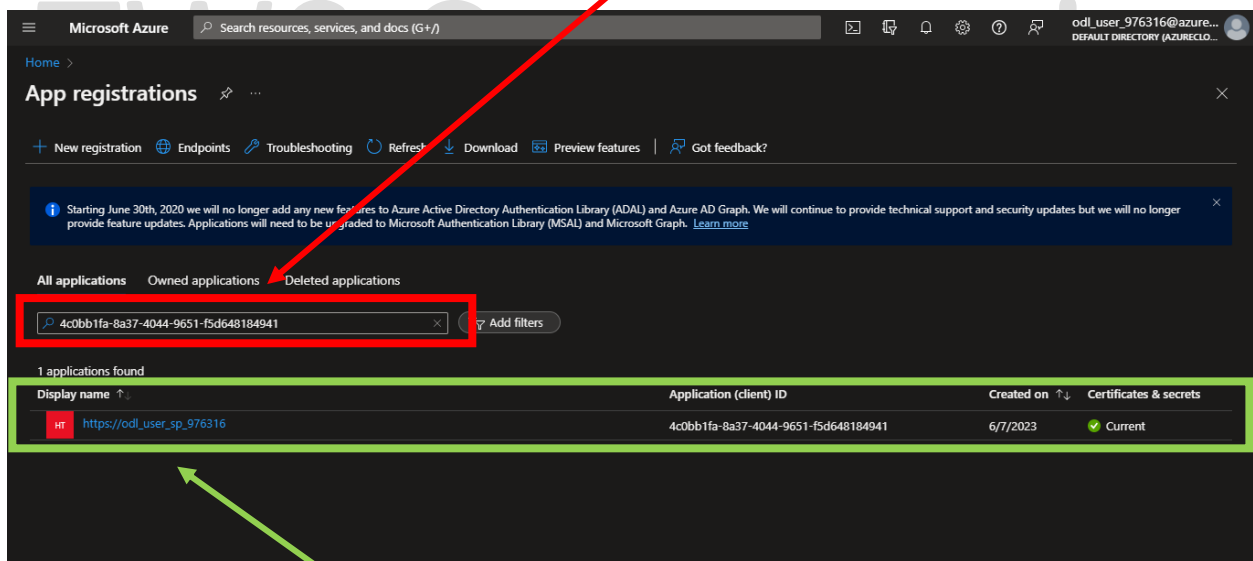


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**Step 3:** Here you need to click on **All Applications** to view all app registrations present in your AAD (Azure Active Directory).



**Step 4:** Search for App Registration with **App Registration** ID which you created.

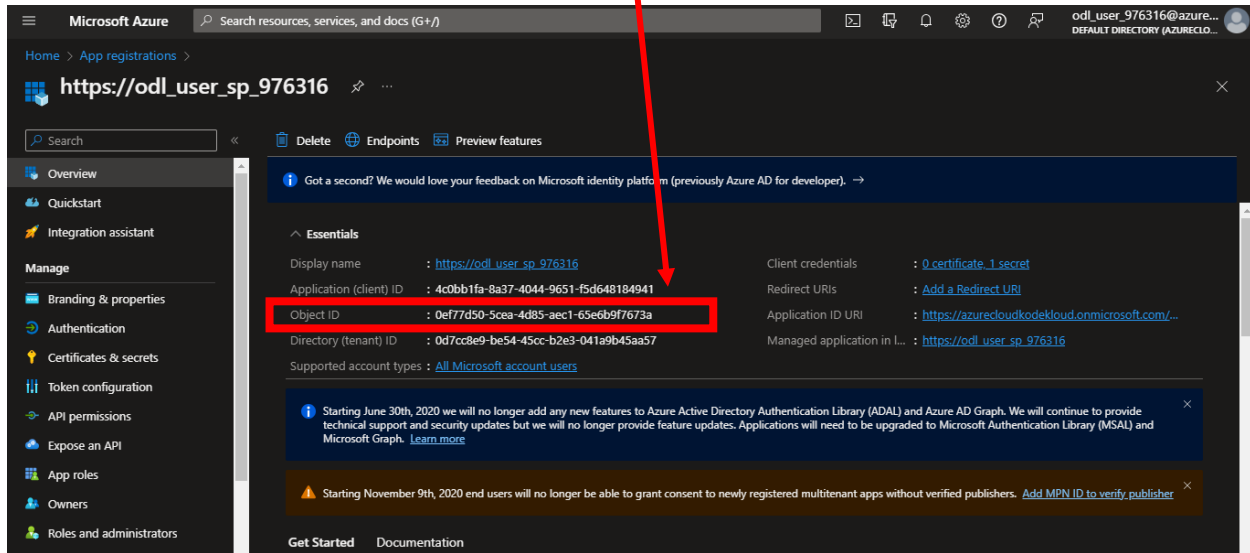


Now you can see your **App Registration**, so just click on it.

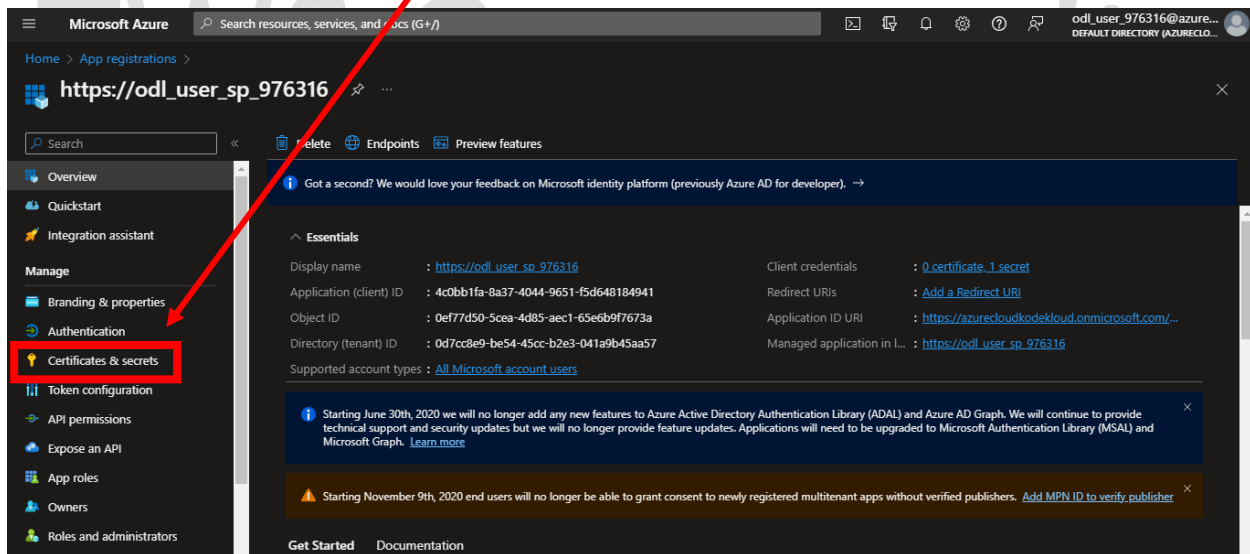
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**Step 5:** Now you will see App Registration created by you and all other information of that app registration like Application ID (Client ID), **Object ID (Access Key ID)** and Tenant ID.

Note – We call **App Registration** as **Service Principal** as well.

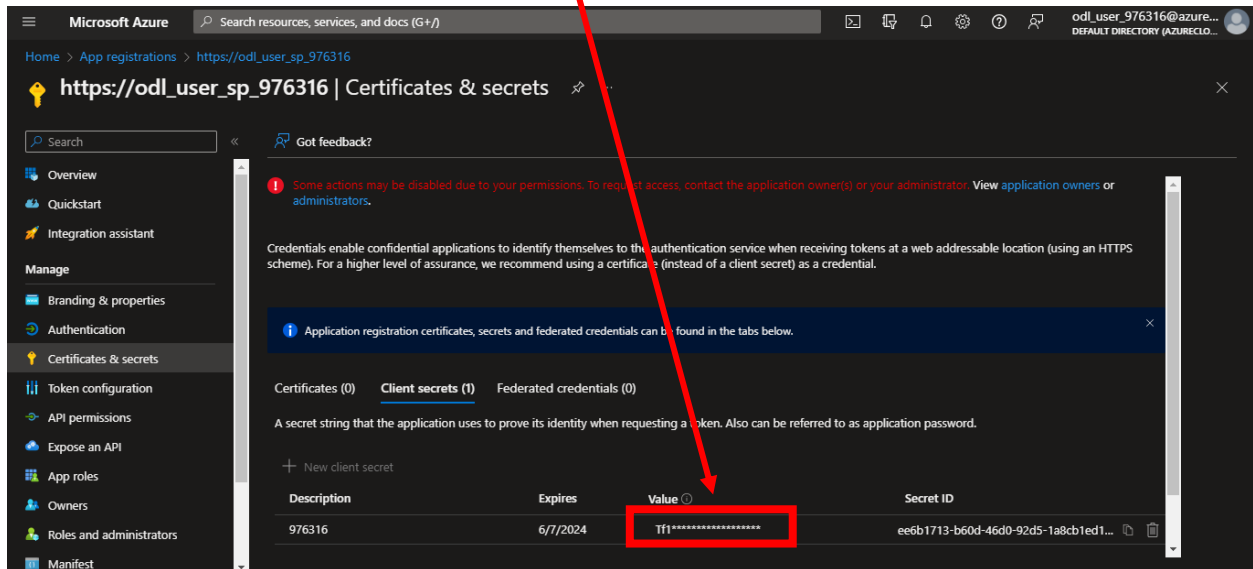


**Step 6:** Now click on **Certificates and Secrets** option.



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**Step 7:** Here you will see the **Secret (Secret Access Key)** and if there's no secret then you can create it. We just need to have this secret, so you should store it somewhere as you won't be able to see it again.



**Step 8:** Now we need to set these variables on our CLI, so we can use those for authentication.

**Windows:** If you are using Windows, then use below commands to set these variables -

```
set AZURE_SECRET_ACCESS_KEY=0ef77d50*****
```

```
set AZURE_ACCESS_KEY=Tf18Q~vpsbT~6ha~VMBQ*****
```

**Linux:** If you are using Linux, then use below commands to set these variables -

```
export AZURE_ACCESS_KEY=0ef77d50*****
```

```
export AZURE_SECRET_ACCESS_KEY=Tf18Q~vpsbT~6ha~VMBQ*****
```