

Terraform with Azure

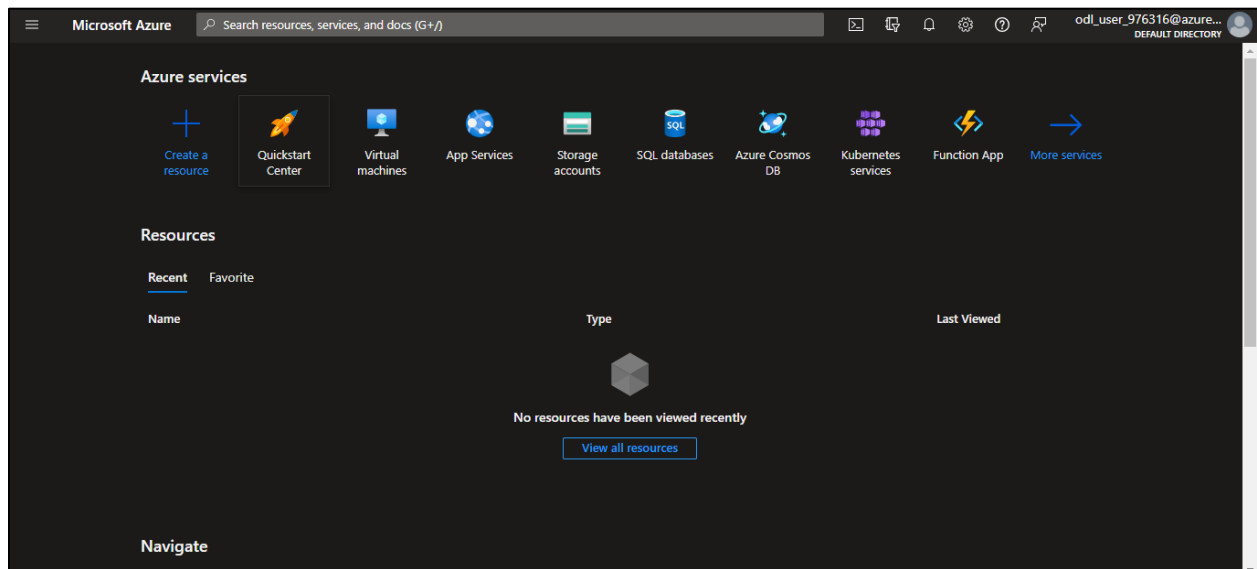
Setup Programmatic Access for Terraform with Azure Client ID and Client Secret:

To use **ARM_CLIENT_ID** (Application/Client ID of App Registration), **ARM_CLIENT_SECRET** (Client Secret present in that App Registration), **ARM_TENANT_ID** and **ARM_SUBSCRIPTION_ID**, first we need to create an **App Registration (Service Principal)** in Azure.

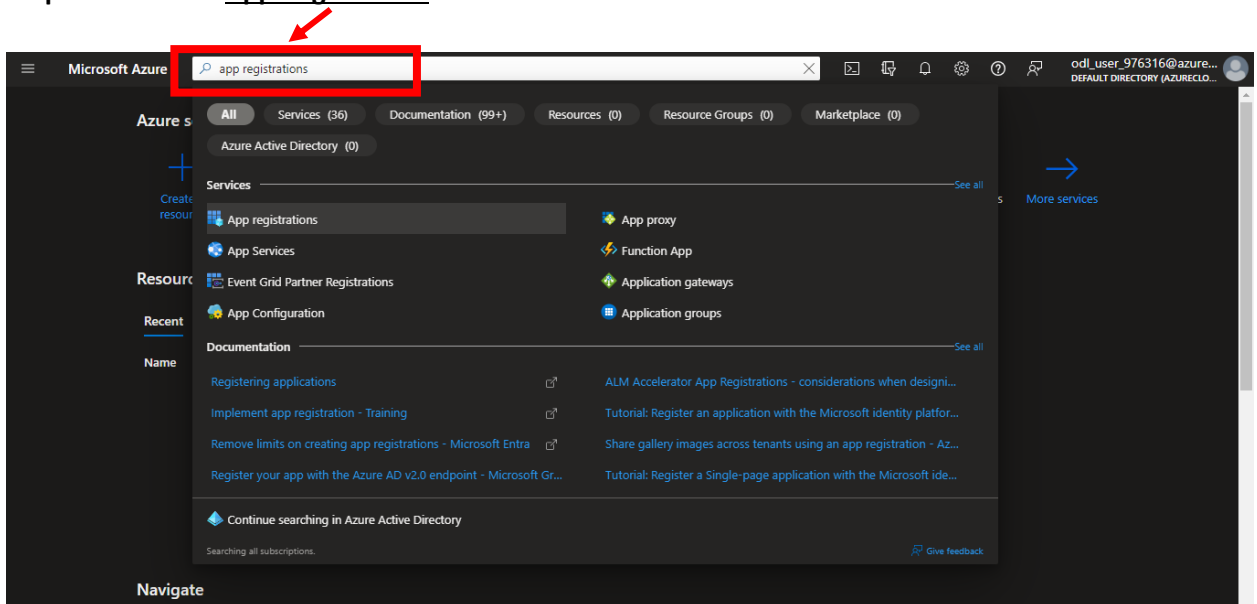
Please follow steps given on URL: <https://jiasli.github.io/azure-notes/aad/Service-Principal-portal.html>

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

Step 1: Login to Azure account

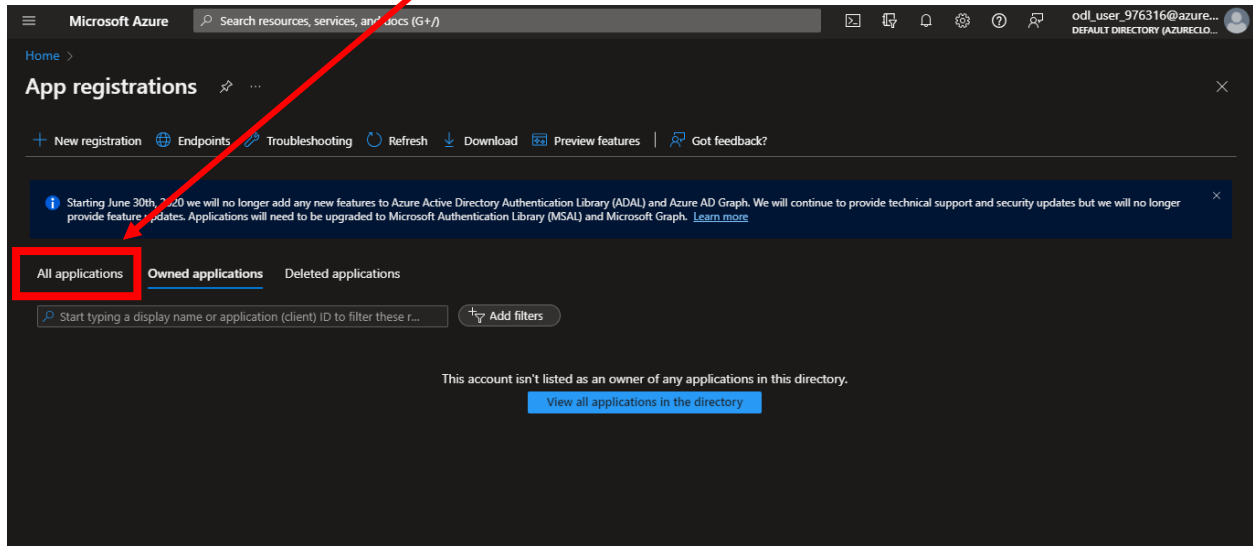


Step 2: Search for **App Registration** service and click on it.

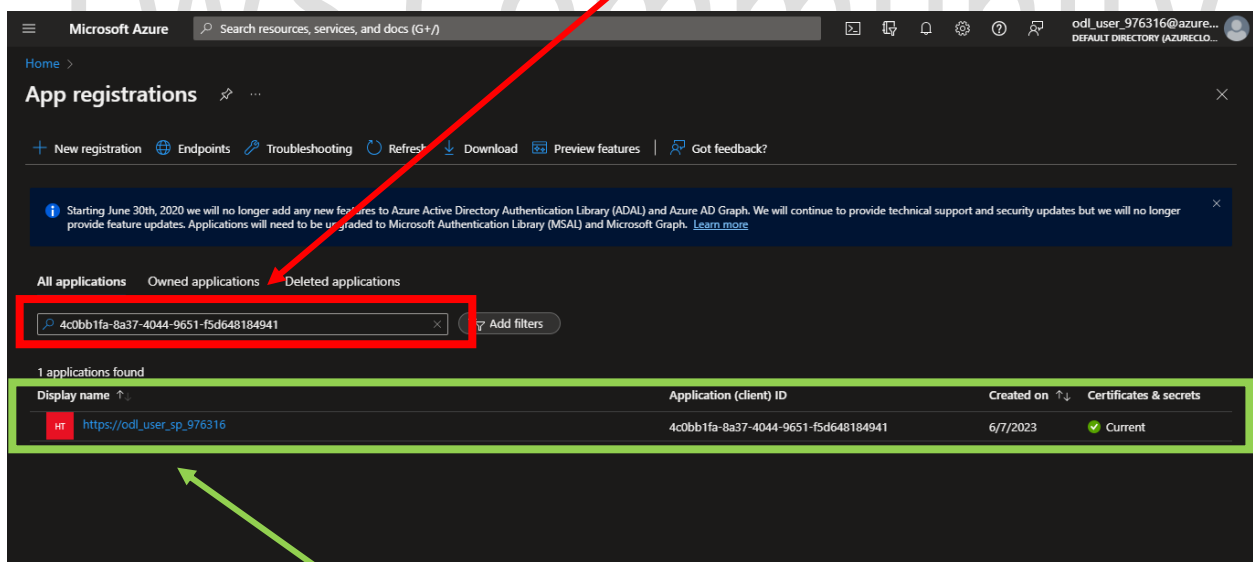


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Step 3: Here you need to click on **All Applications** to view all app registrations present in your AAD (Azure Active Directory).



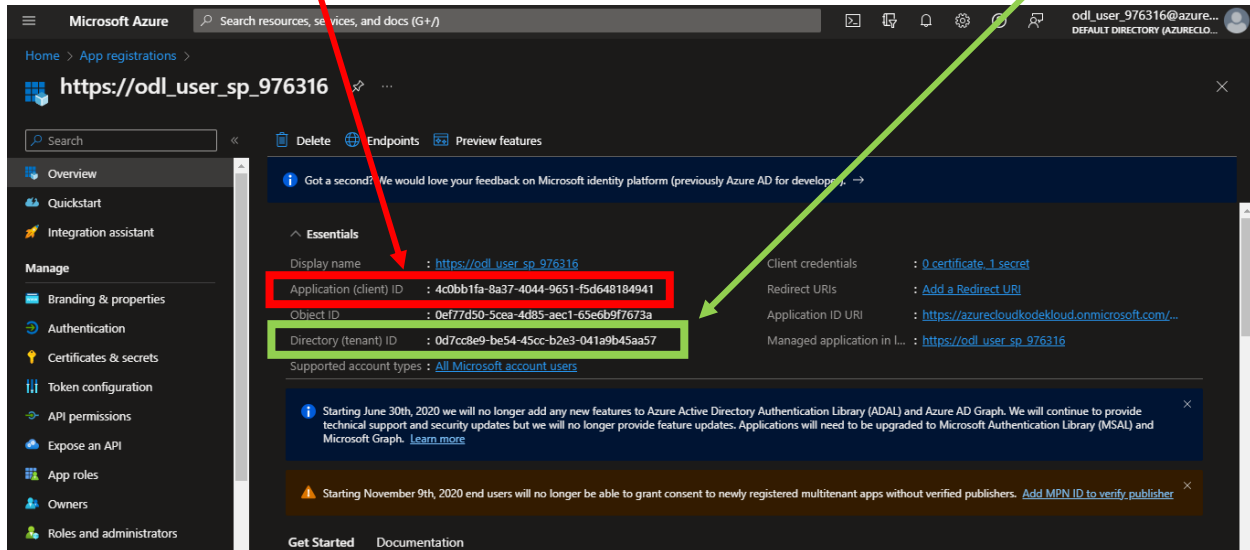
Step 4: Search for App Registration with **App Registration** ID which you created.



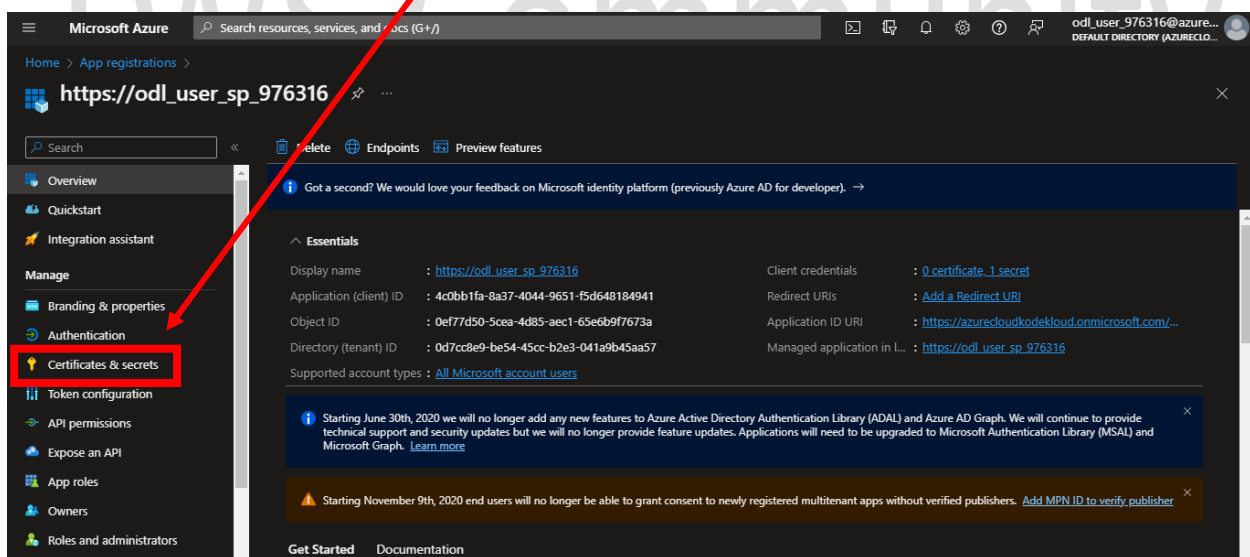
Now you can see your **App Registration**, so just click on it.

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

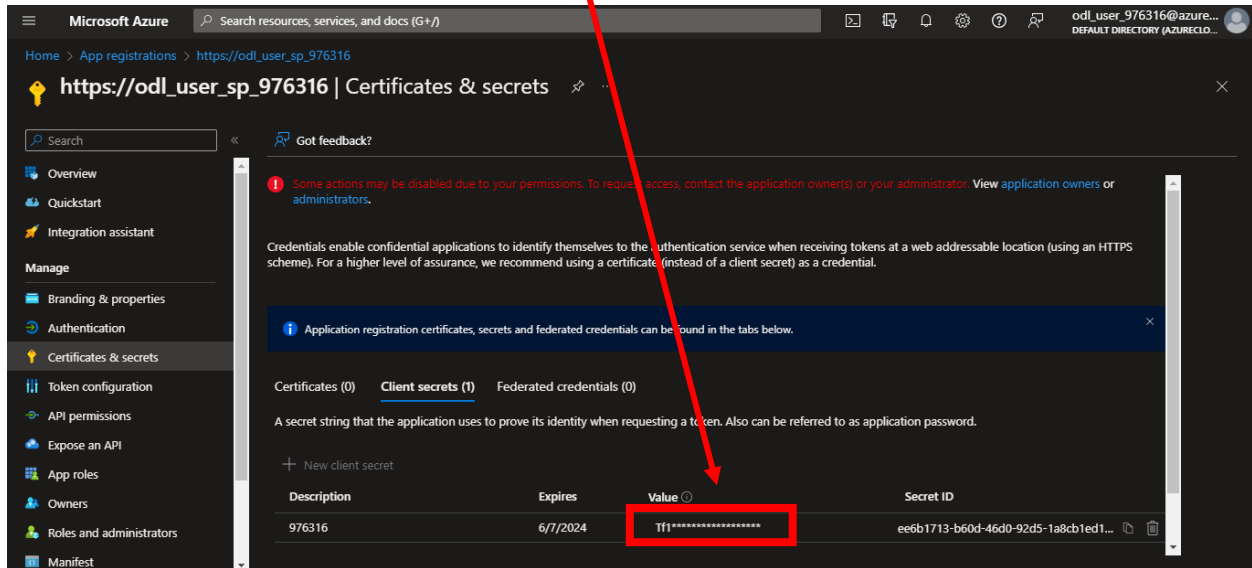


Step 6: Now click on **Certificates and Secrets** option.



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Step 7: Here you will see the **ARM_CLIENT_SECRET** (Secret) 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 ARM_CLIENT_ID=0ef77d50*****
set ARM_CLIENT_SECRET=Tf18Q~vpsbT~6ha~VMBQ*****
set ARM_TENANT_ID=0d7cc8e9*****
set ARM_SUBSCRIPTION_ID=b2aec48f-6dad-4d57-ad25-dad521fe74a4
```

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

```
export ARM_CLIENT_ID=0ef77d50*****
export ARM_CLIENT_SECRET=Tf18Q~vpsbT~6ha~VMBQ*****
export ARM_TENANT_ID=0d7cc8e9*****
export ARM_SUBSCRIPTION_ID=b2aec48f-6dad-4d57-ad25-dad521fe74a4
```