

Microsoft Azure

Cloud Account Information

User Guide



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1. Purpose

The purpose of this document is to guide the user to retrieve the information required by SurPaaS for integrating Azure Cloud account.

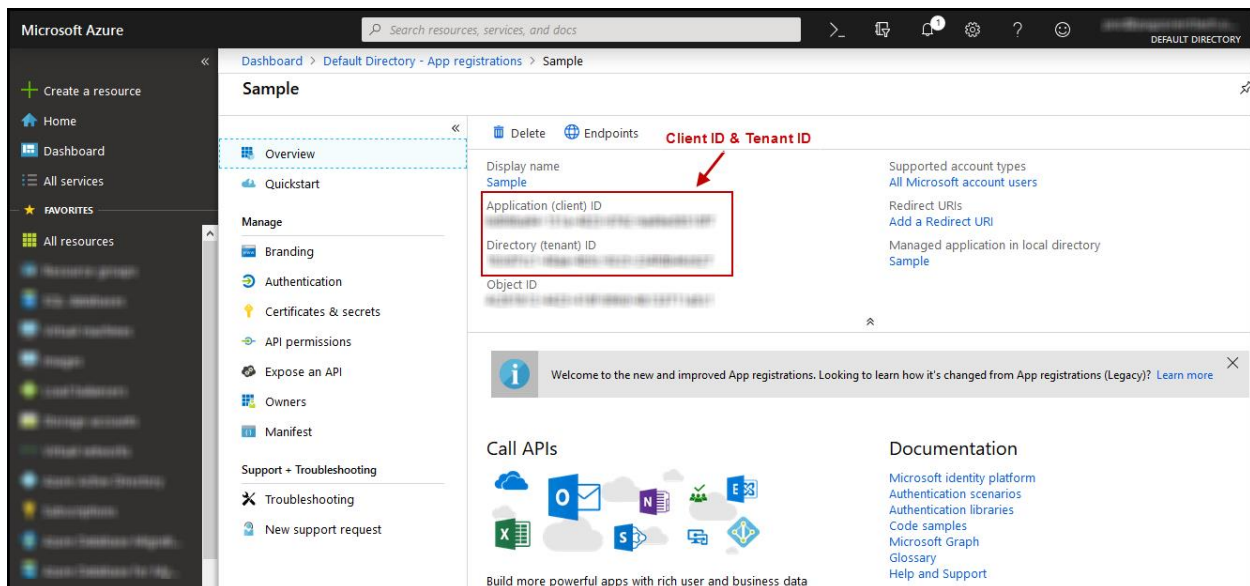
2. Prerequisites for SurPaaS Marketizer

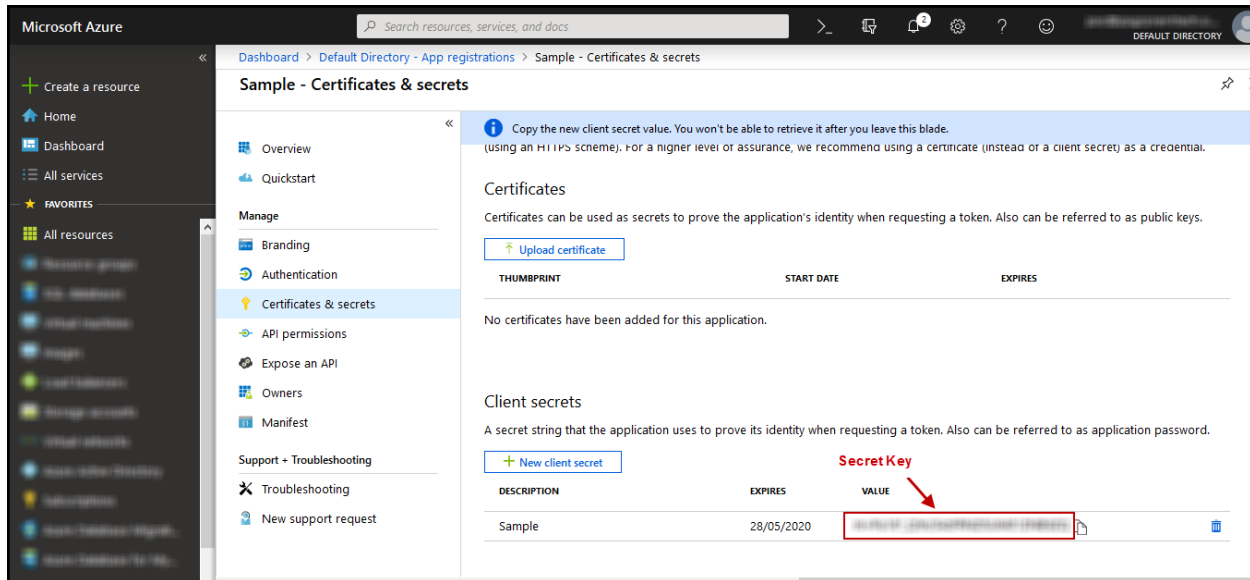
The following Cloud account details are required to make an application publish-ready via SurPaaS Marketizer:

- Client ID
- Tenant ID
- Secret Key
- Subscription ID

The provided Client ID must have permission to:

- Access application VM(s) and associated resources
- Take snapshot
- Create new deployments





Microsoft Azure

Search resources, services, and docs

Dashboard > Default Directory > App registrations > Sample - Certificates & secrets

Sample - Certificates & secrets

Copy the new client secret value. You won't be able to retrieve it after you leave this blade. (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.

Certificates

Certificates can be used as secrets to prove the application's identity when requesting a token. Also can be referred to as public keys.

[Upload certificate](#)

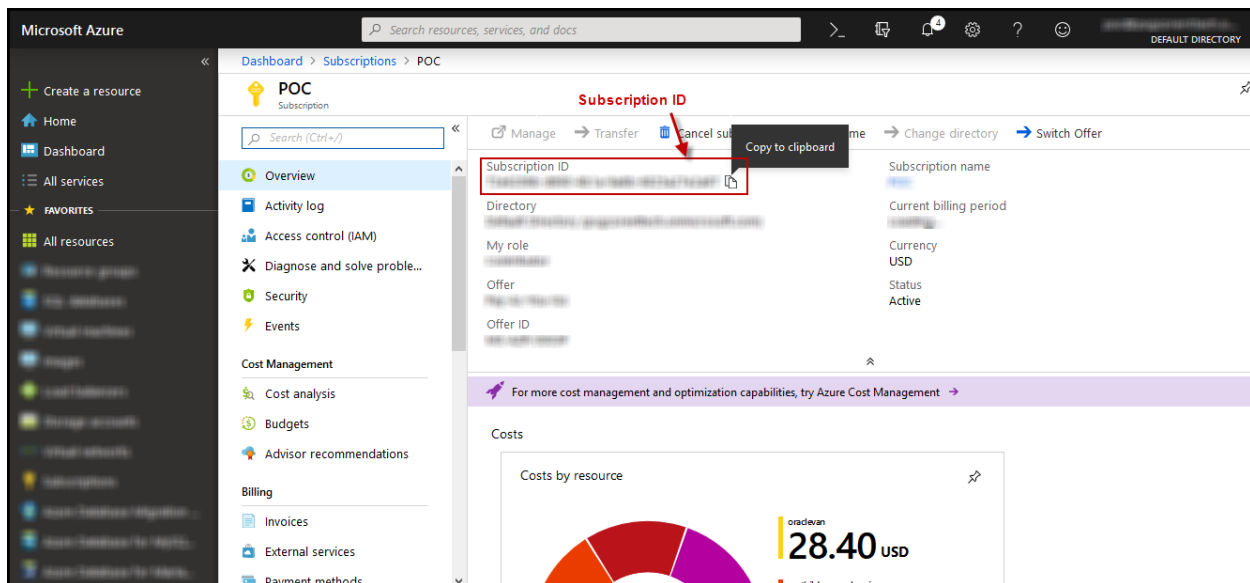
THUMBPRINT	START DATE	EXPIRES
No certificates have been added for this application.		

Client secrets

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

[New client secret](#)

DESCRIPTION	EXPIRES	VALUE
Sample	28/05/2020	SecretKey [Long alphanumeric string]



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Dashboard > Subscriptions > POC

POC

Subscription

Subscription ID: [Long alphanumeric string]

Subscription name: [Long alphanumeric string]

Directory: [Long alphanumeric string]

My role: [Long alphanumeric string]

Offer: [Long alphanumeric string]

Offer ID: [Long alphanumeric string]

Subscription name: [Long alphanumeric string]

Current billing period: [Long alphanumeric string]

Currency: USD

Status: Active

For more cost management and optimization capabilities, try Azure Cost Management

Costs

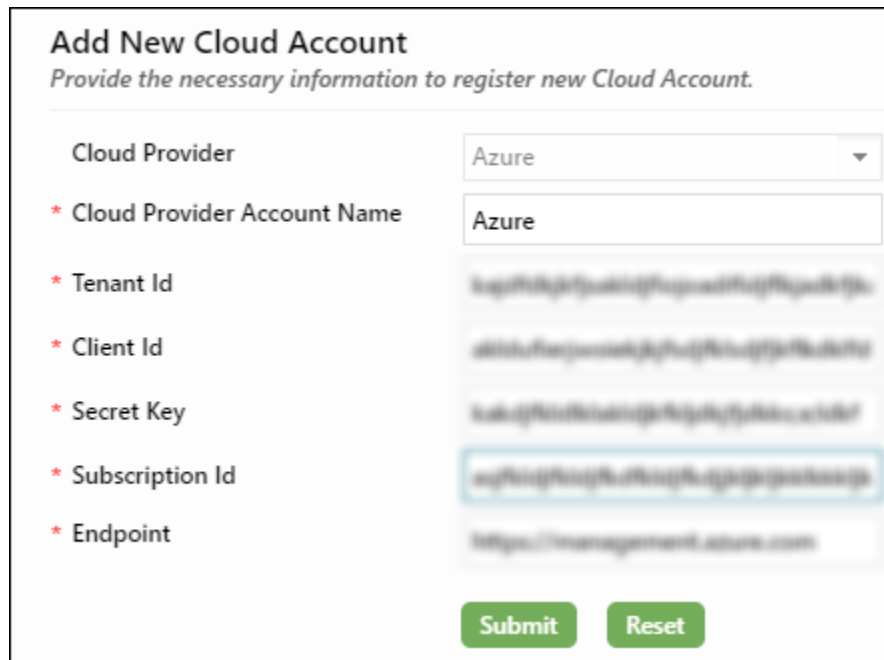
Costs by resource

28.40 USD

3. Deriving SurPaaS Field Values from Azure

To add Azure Cloud provider account in SurPaaS, the user must provide the required information about their Azure Cloud account in **Register New Cloud Account** screen.

SurPaaS **Register New Cloud Account** screen and its field explanation are provided below:

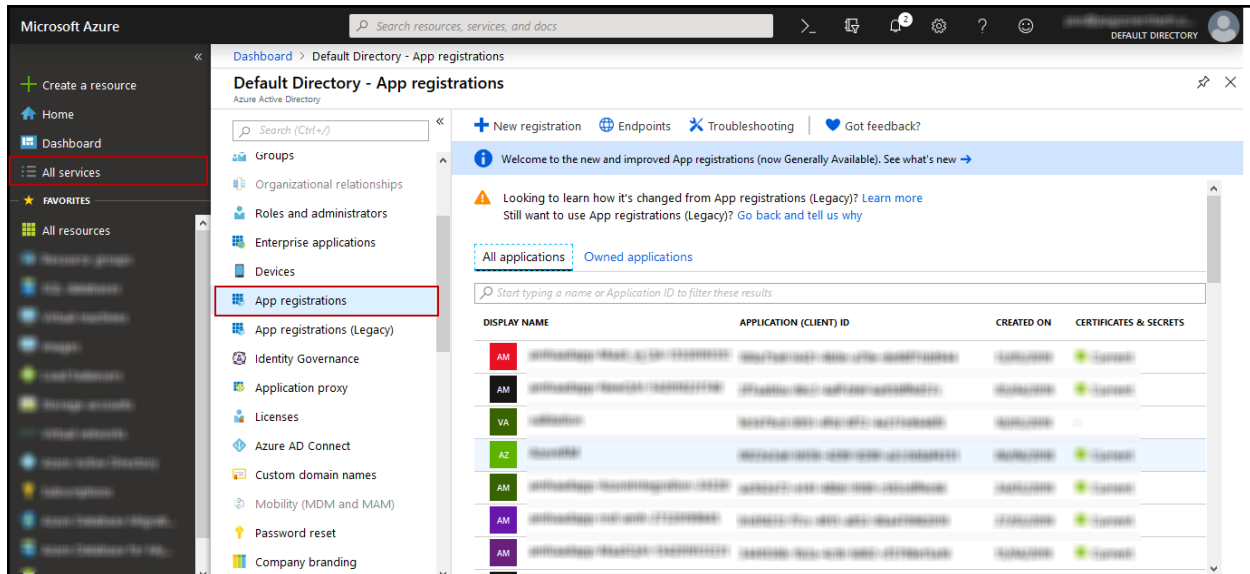


1. Select **Azure** from **Cloud Provider** drop-down list.
2. Enter your Cloud account name in the Cloud Provider Account Name field.
3. Enter the following information in respective fields:
 - Tenant Id
 - Client Id
 - Secret key
 - Object key
 - Subscription ID
 - End Point

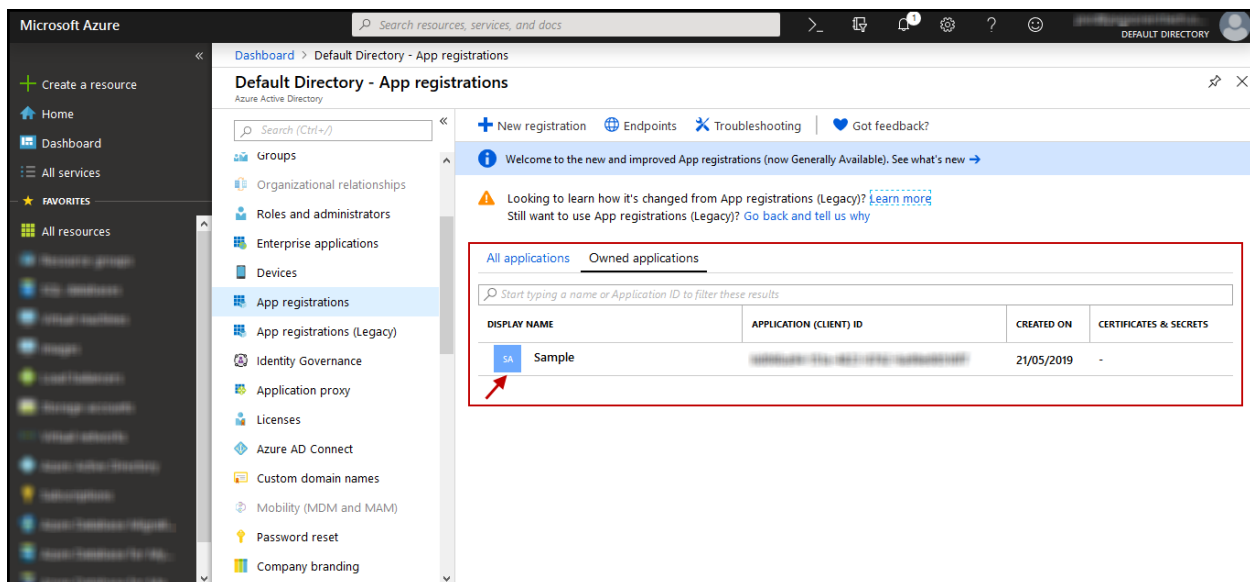
3.1 Client ID, Tenant ID and Object ID

To retrieve **Client ID**, **Tenant ID** and **Object ID** from Azure console, follow the steps given below:

1. Log into the **Azure Cloud** console.



2. Navigate to **All Services > Azure Active Directory > App Registration** from the home screen. **Default Directory – App registrations** screen appears:



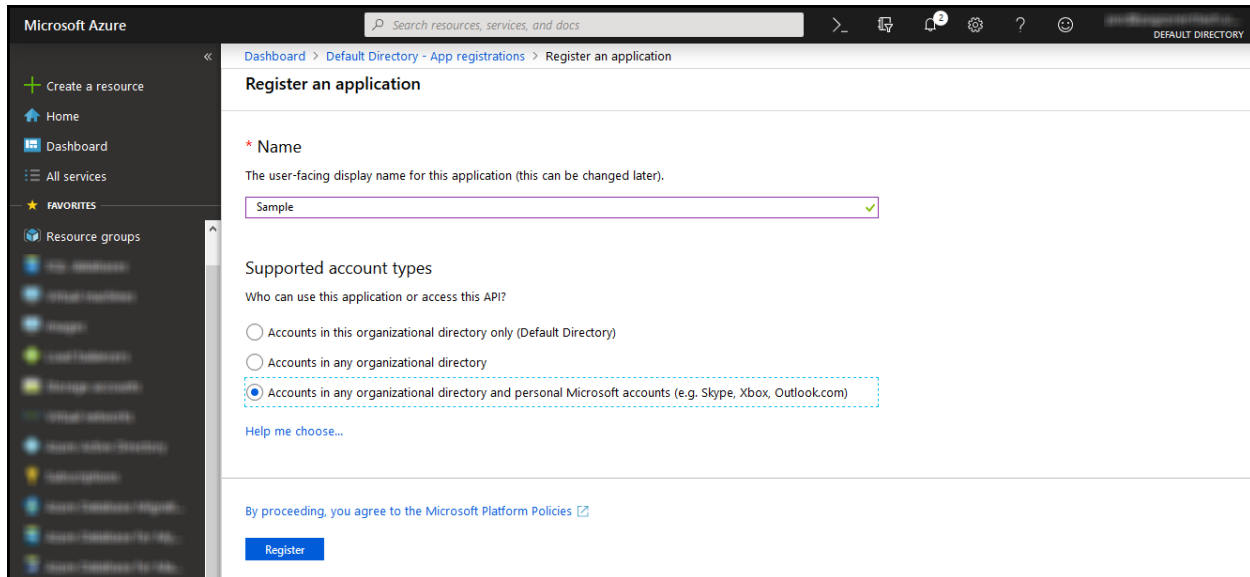
Note: Default applications will be listed in the **All application** tab. Newly created applications will be listed in the **Owned applications** tab.

3. Click the required application if it is already available in the Cloud account.

Note: For the existing application, proceed from [step 9](#).

Or

4. Click **New Registration** to register a new application. **Register an application** screen appears:



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Search resources, services, and docs

Dashboard > Default Directory - App registrations > Register an application

Register an application

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

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

☐ Accounts in this organizational directory only (Default Directory)

☐ Accounts in any organizational directory

☒ Accounts in any organizational directory and personal Microsoft accounts (e.g. Skype, Xbox, Outlook.com)

[Help me choose...](#)

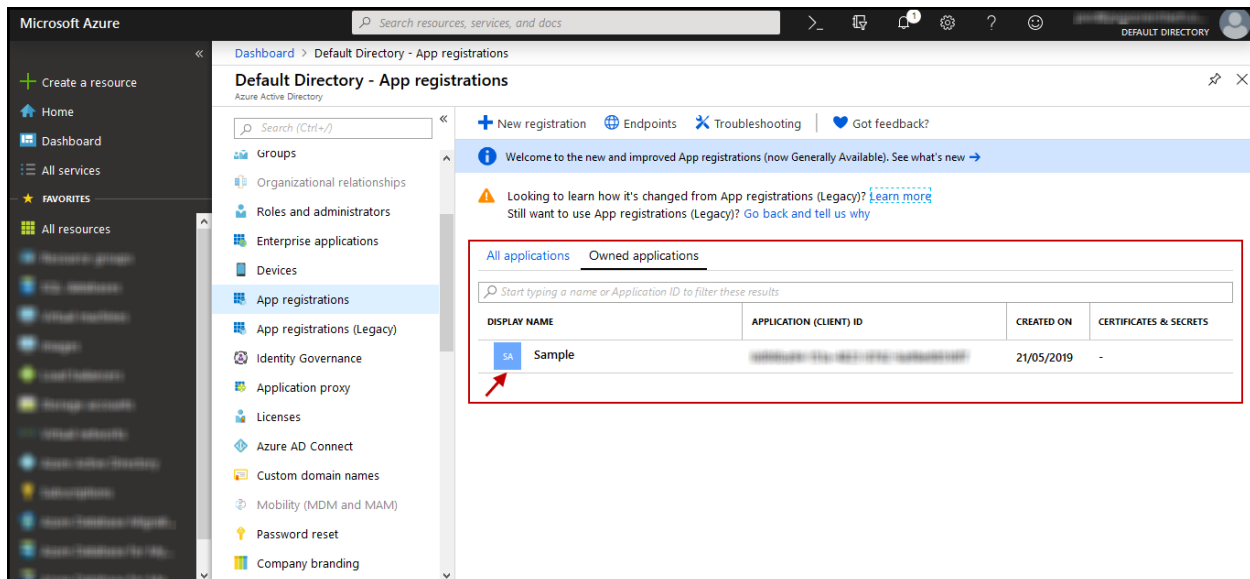
By proceeding, you agree to the [Microsoft Platform Policies](#)

Register

5. Enter the **Application Name** in the **Name** field.

6. Select Accounts in any organizational directory and personal Microsoft accounts (e.g. Skype, Xbox, Outlook.com) option as the Supported account types.

7. Click **Register**. New application will be created and displayed in the **Owned Application** tab.



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Dashboard > Default Directory - App registrations

Default Directory - App registrations

Azure Active Directory

Search (Ctrl+/)


[New registration](#) [Endpoints](#) [Troubleshooting](#) [Got feedback?](#)

Welcome to the new and improved App registrations (now Generally Available). See what's new →

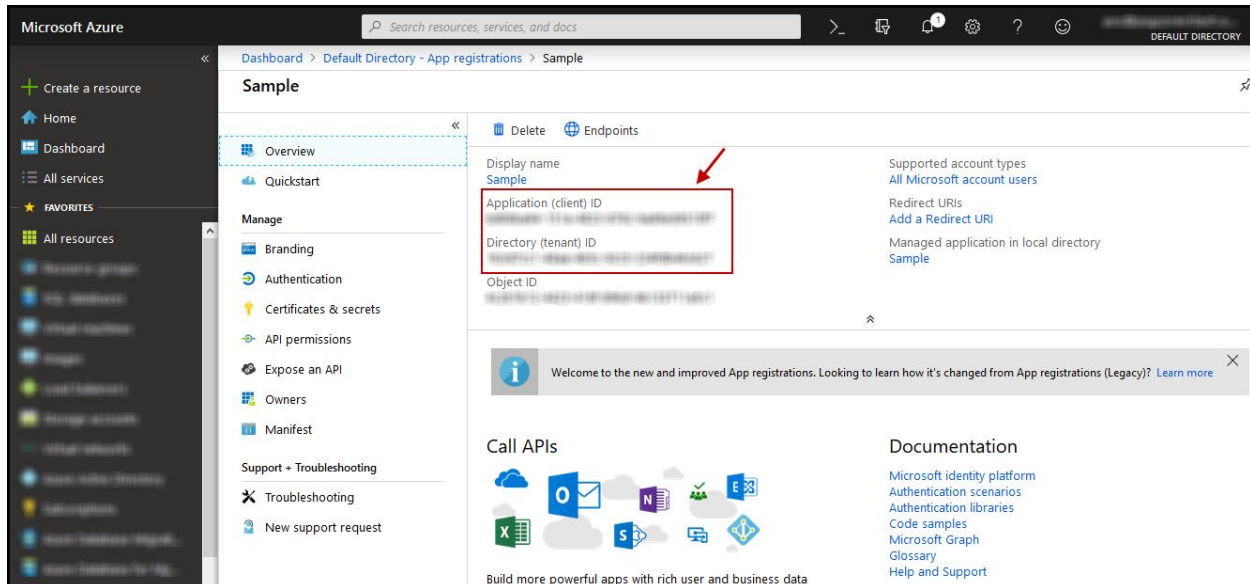
Looking to learn how it's changed from App registrations (Legacy)? [Learn more](#)
Still want to use App registrations (Legacy)? [Go back and tell us why](#)

All applications **Owned applications**

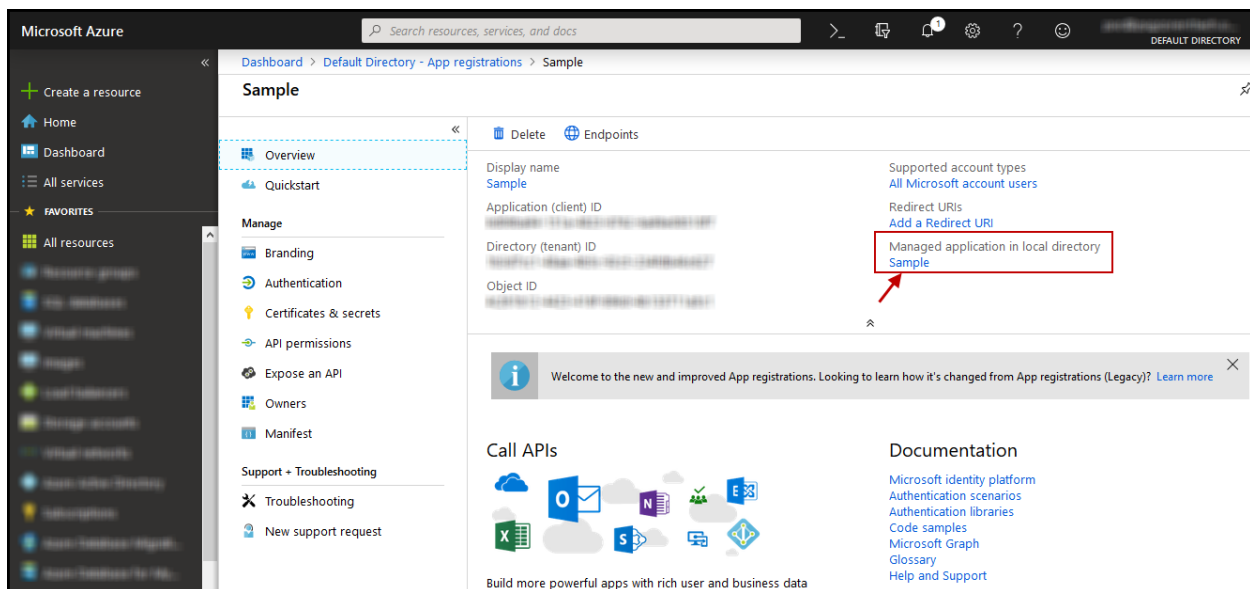
Start typing a name or Application ID to filter these results

DISPLAY NAME	APPLICATION (CLIENT) ID	CREATED ON	CERTIFICATES & SECRETS
 Sample	ad888888-8888-8888-8888-888888888888	21/05/2019	-

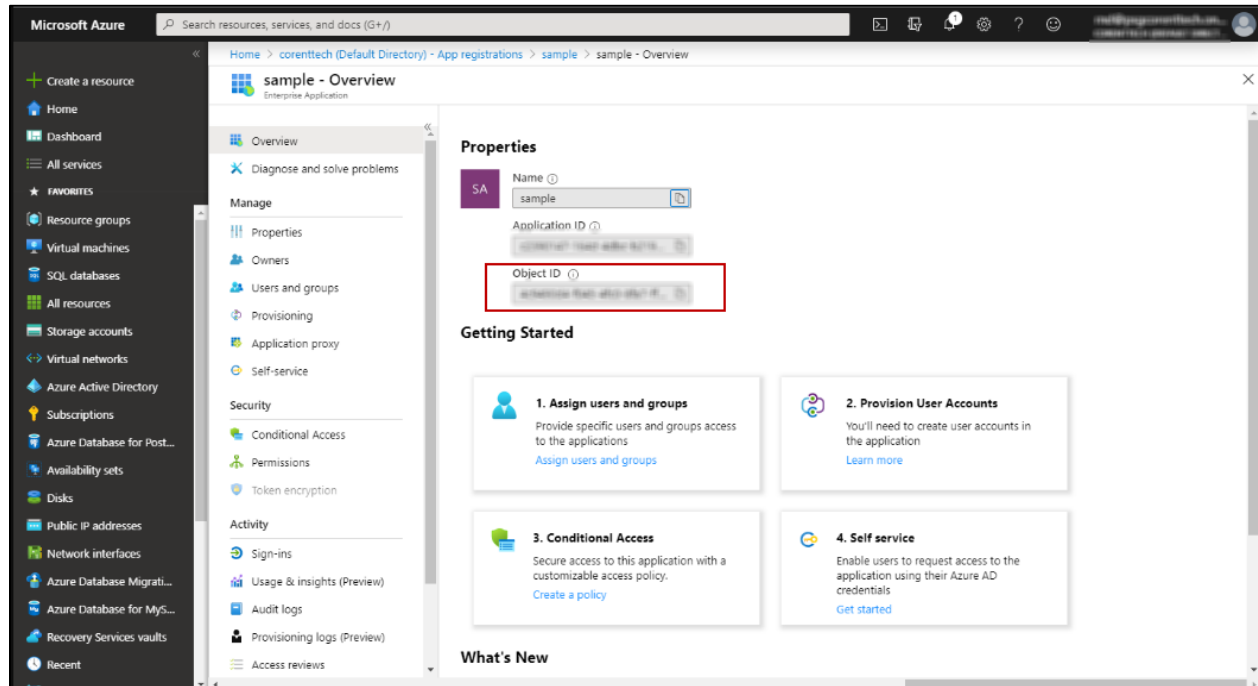
8. Click the created application. **Application Information** screen appears:



9. Copy the **Application ID** and **Directory ID** and paste them in the **Client Id** and **Tenant Id** fields of the **Register New Cloud Account** screen respectively.



10. Click the application name in the **Managed application in local directory** field. <Application Name> **Properties** screen appears:



11. Copy the **Object ID** and paste it in the **Object key** field of the **Register New Cloud Account** screen.

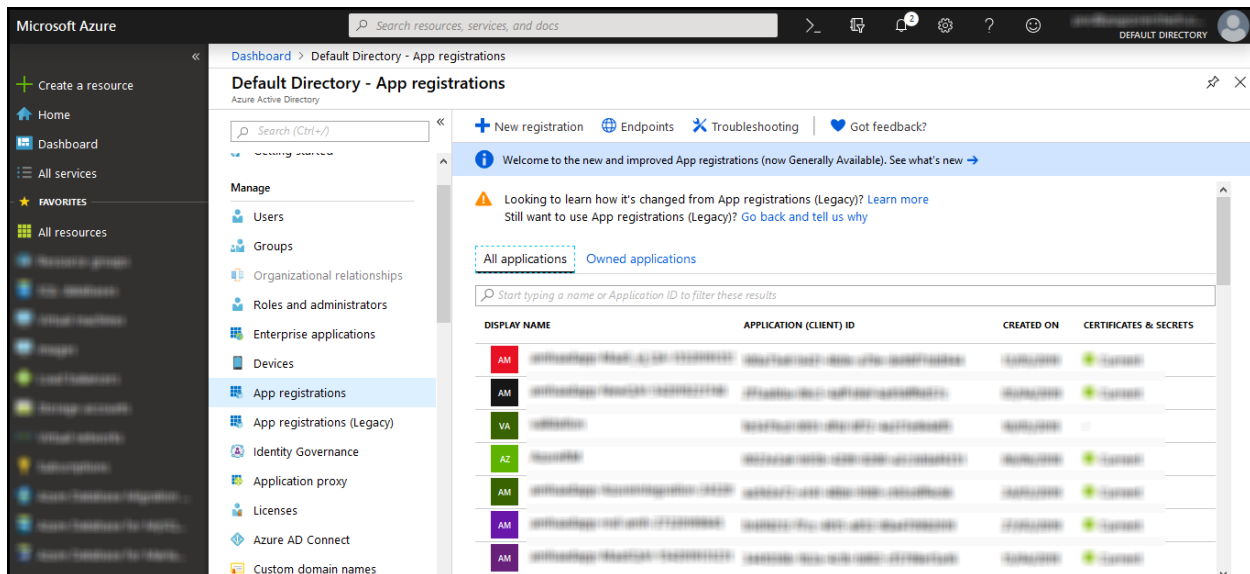
Note: Provide **Object ID** wherever applicable.

3.2 Secret Key

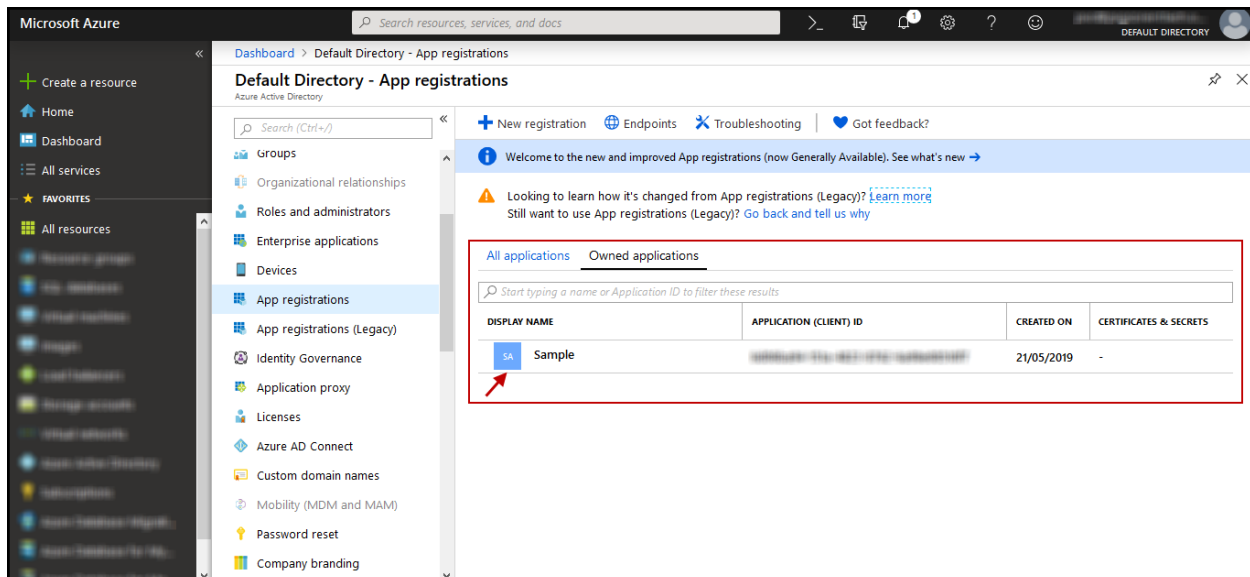
If the secret key is already available for the application, enter it in **Secret Password** field of **Register New Cloud Account** screen.

To generate a new secret key, follow the steps given below:

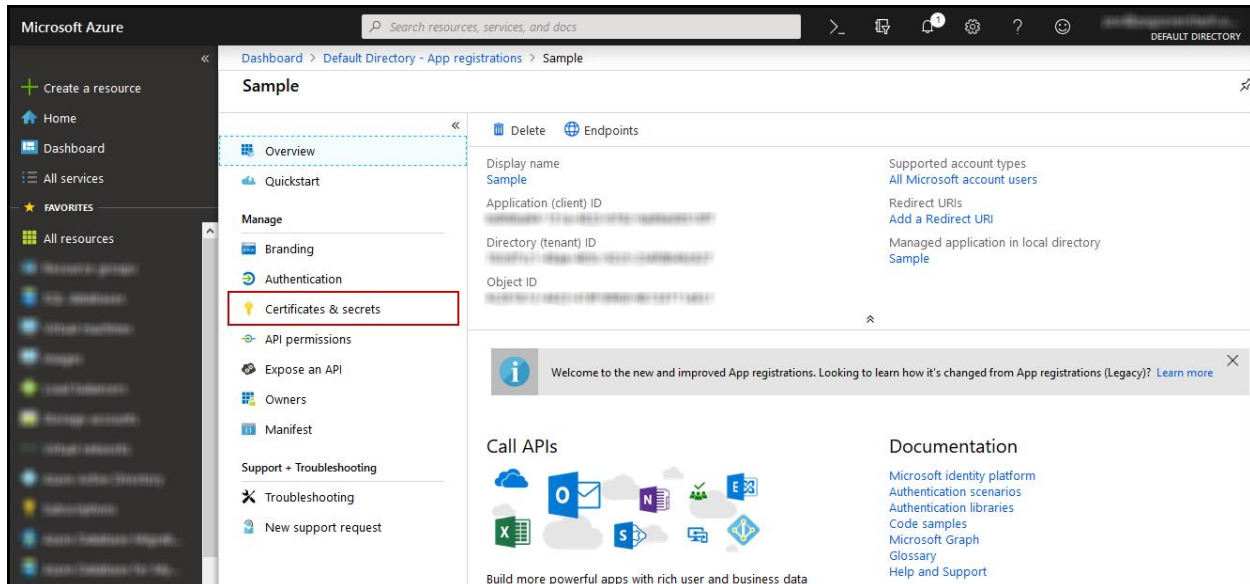
1. Log into the **Azure Cloud** console.
2. Navigate to **All Services > Azure Active Directory > App Registration** from the home screen. **Default Directory – App registrations** screen appears:



3. Click **Owned applications** tab. The list of newly created applications appear as shown below:

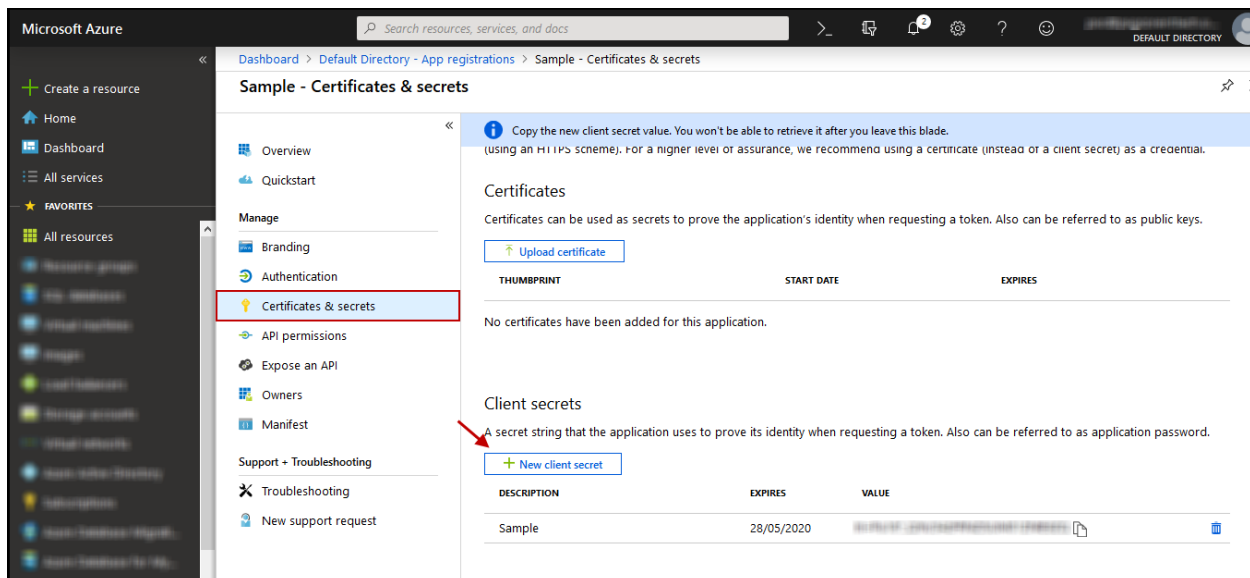


4. Click the required application. **Application Information** screen appears:

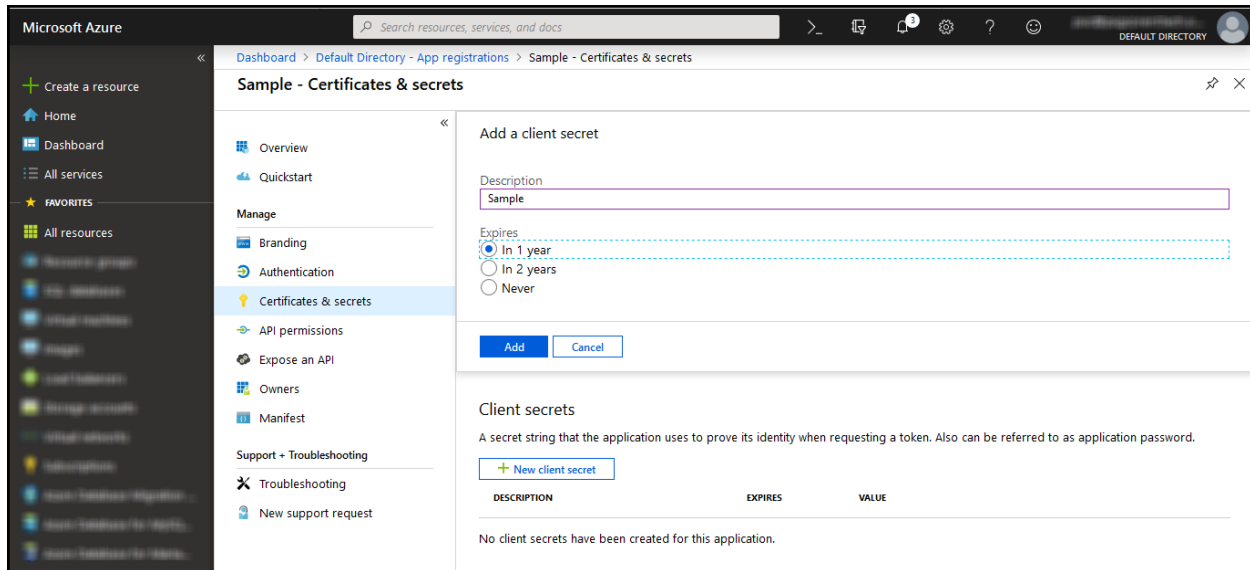


In the **Manage** sub-menu,

5. Click **Certificates & Secrets**. **Certificates & Secrets** screen appears:

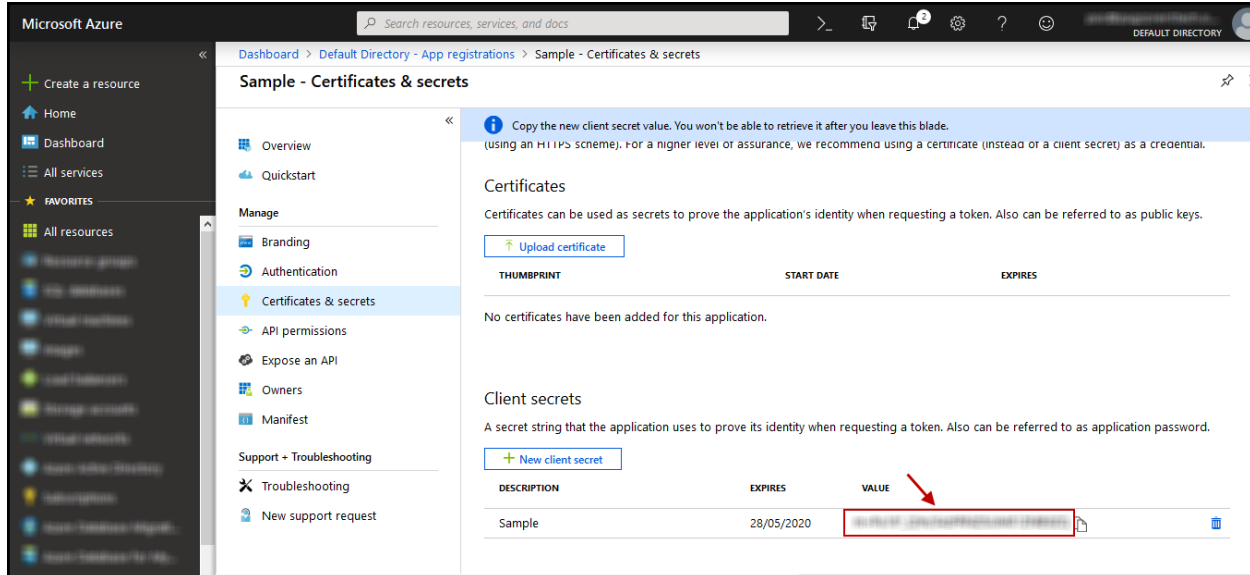


6. Click **New Client Secret**. **Add a client secret** screen appears:



7. Enter a new Key in the **Description** field.
8. Select the expiry period from the **Expires** drop-down list.
9. Click **Add**. Secret Key will be generated.

Note: Do not close the screen before copying the Secret Key. If the screen is closed, the Secret Key has to be generated once again for use.



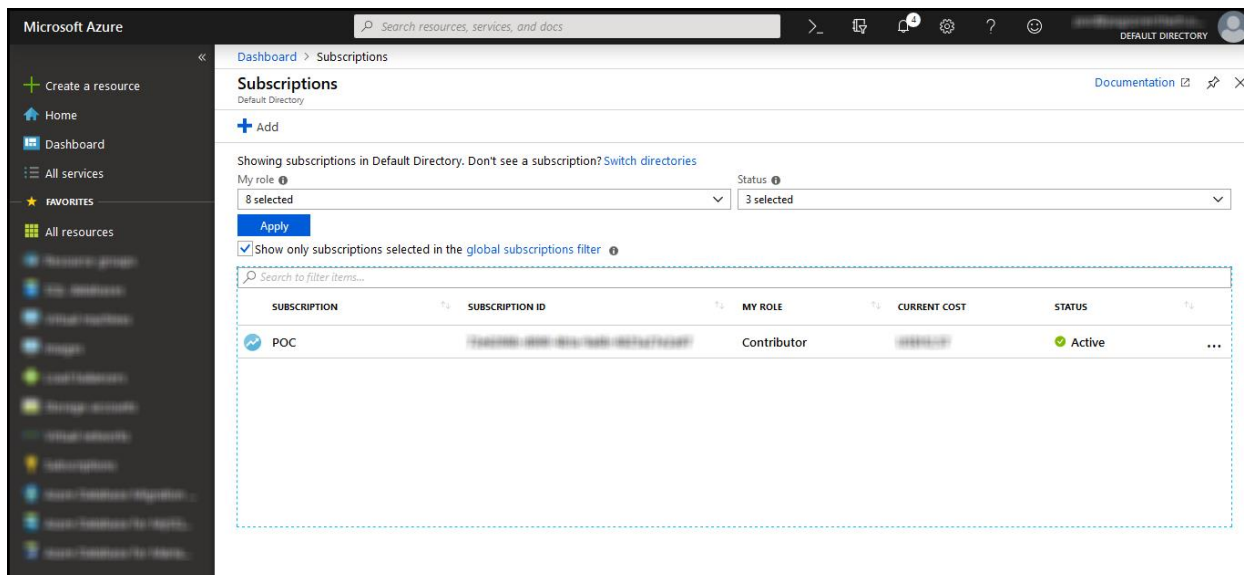
10. Copy the **Secret Key** and paste it in **Secret Password** field of **Register New Cloud Account** screen.

3.3 Subscription ID

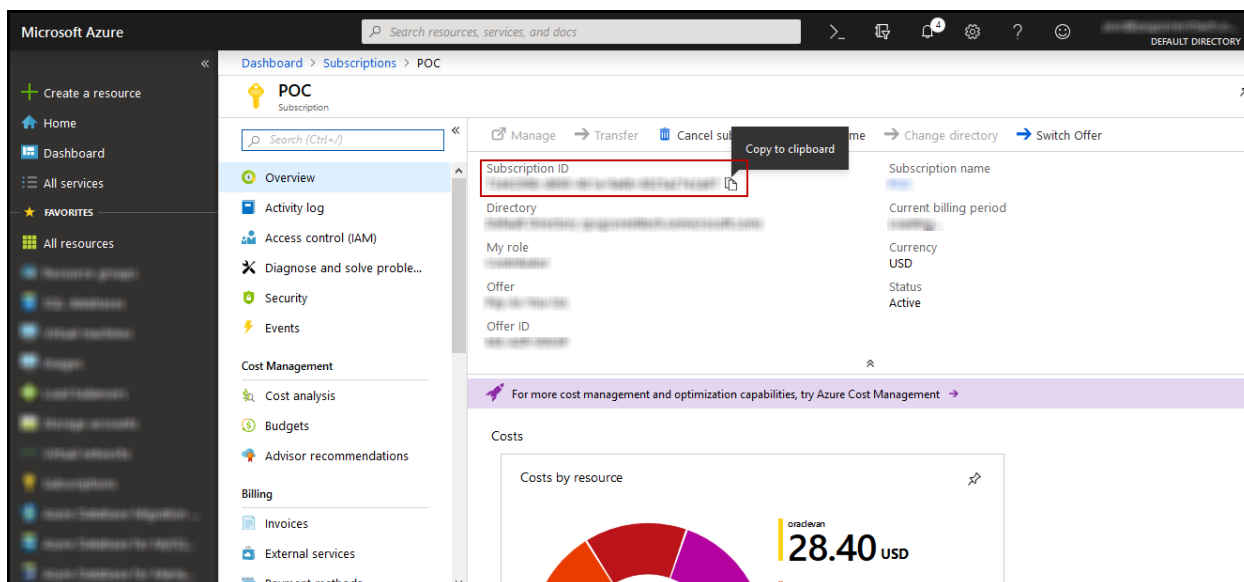
To retrieve **Subscription ID** from Azure console, follow the steps given below:

1. Log into the **Azure Cloud** console.

2. Navigate to **All Services > Subscription**. **Subscription** screen appears with the list of available subscription as shown below:



3. Click the required active subscription. **Subscription Information** screen appears:



4. Copy the **Subscription ID** and paste it in the Subscription ID field of **Register New Cloud Account** screen.

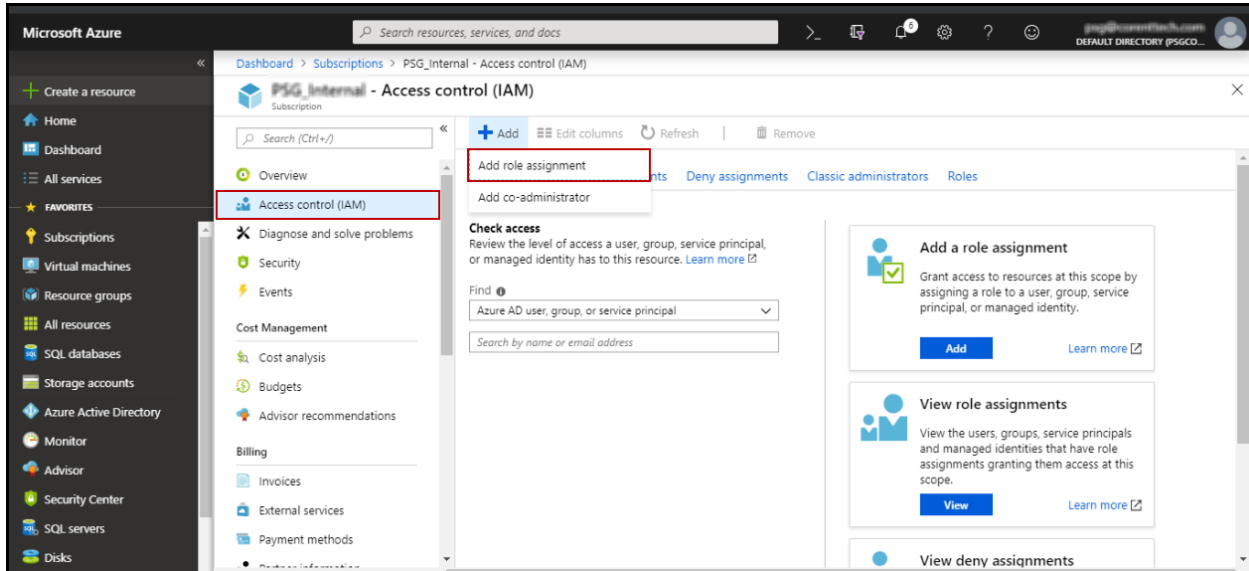
3.4 End Point

For Azure public portal, provide this URL <https://management.azure.com/> in **Endpoint** field of **Register New Cloud Account** screen. If it is a private portal provide your own End Point URL.

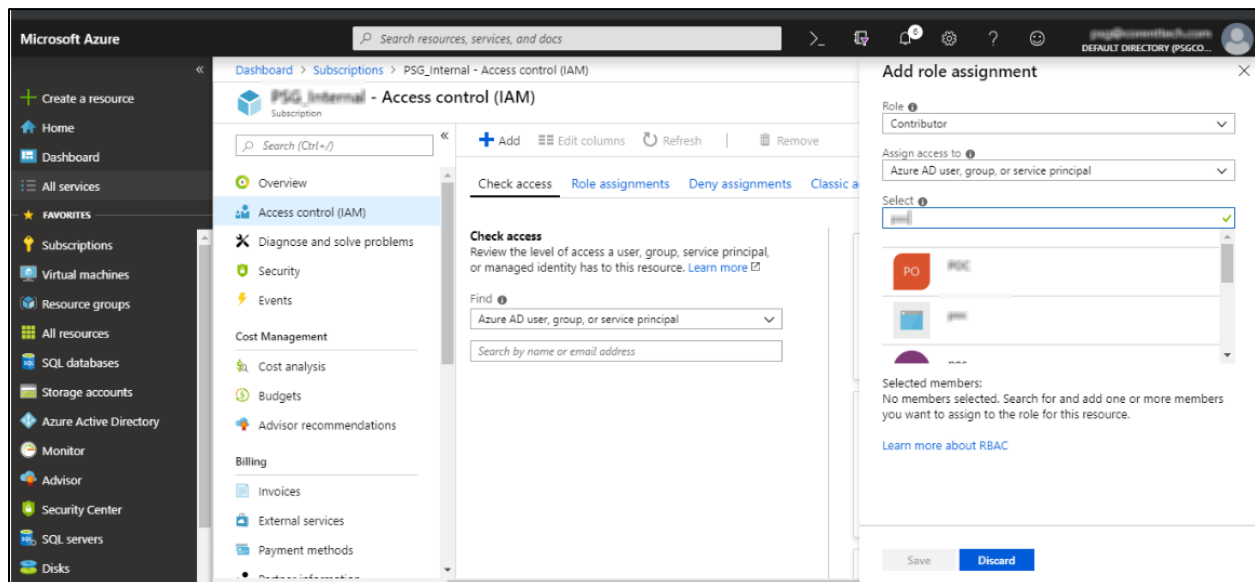
3.5 Mapping Client ID with Subscription ID

To map **Client ID** with **Subscription ID**, follow the steps given below:

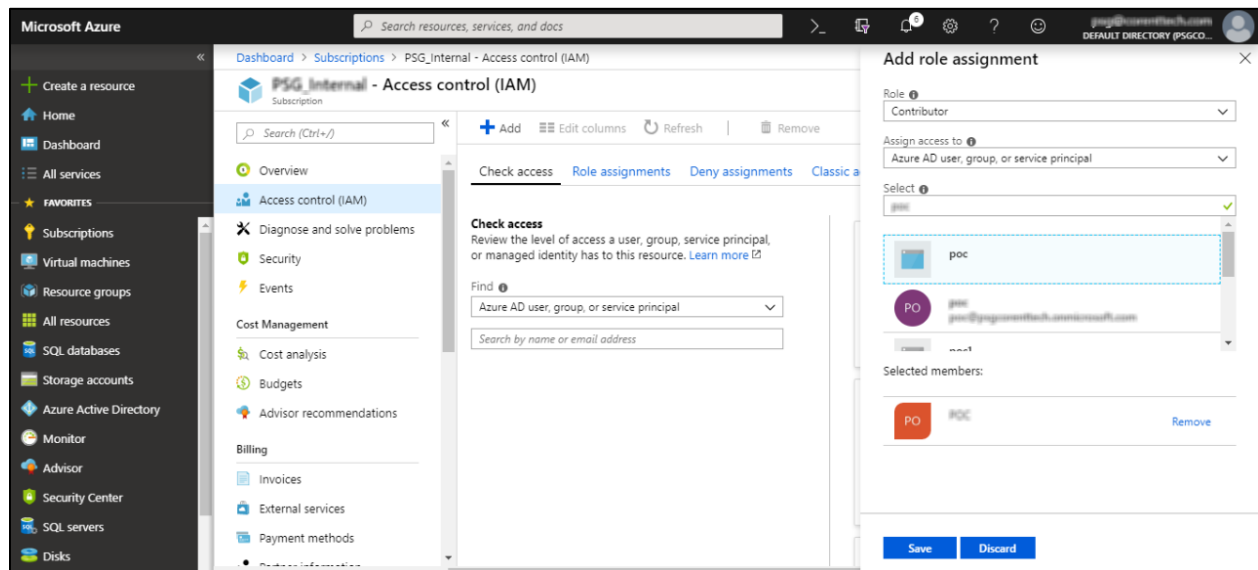
1. Log into **Azure** console.
2. Navigate to **All Services > Subscription > Access control (IAM)**. The **Access control (IAM)** screen appears:



3. Click **Add** to add a role assignment. The **Add role assignment** screen appears:



4. Select the role as **Contributor** from the **Role** dropdown list.
5. Select **Azure AD user, group or service principal** from **Assign access to** drop-down list.
6. Select the created Client ID to map the privilege from the **Select** dropdown list.



7. Click **Save**. The created **Client ID** will be mapped with the **Subscription ID**.