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# Microsoft Azure Cloud Account Information

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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

![Image of Azure Cloud Account Information](image-url)
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:

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:
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.

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/](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:

   ![Access control (IAM) screen](image1)

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

   ![Add role assignment screen](image2)

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.

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