FATbit®
TECHNOLOGIES

Microsoft Translator API

-Credential Generation Guide-

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What is Microsoft-translator ?

Microsoft translator is a cloud-based **Azure AI** Translator service that enables applications to translate text between multiple languages using **REST APIs**. It helps businesses build multilingual applications by providing fast, scalable, and secure text translation capabilities without requiring the development of custom translation models.

The service supports the translation of text into multiple languages and offers additional features such as automatic language detection, transliteration, dictionary lookup, and dictionary examples. These capabilities enable the developers to create applications that can accurately process and display multilingual content for users across different regions.

Microsoft translator is commonly integrated into websites, mobile applications, eCommerce platforms, learning management systems, customer support portals, and other business applications where multilingual communication is required.

For example, an eCommerce marketplace can use Microsoft translator to display product descriptions in a customer's preferred language, while an online learning platform can translate course content for learners from different countries.

The service is accessed through the **Azure AI Translator Text Translation API**, a **REST**-based API that allows applications to send text in one language and receive the translated content in the target language. Every API request is authenticated using credentials generated from a translator resource in **Microsoft Azure**.

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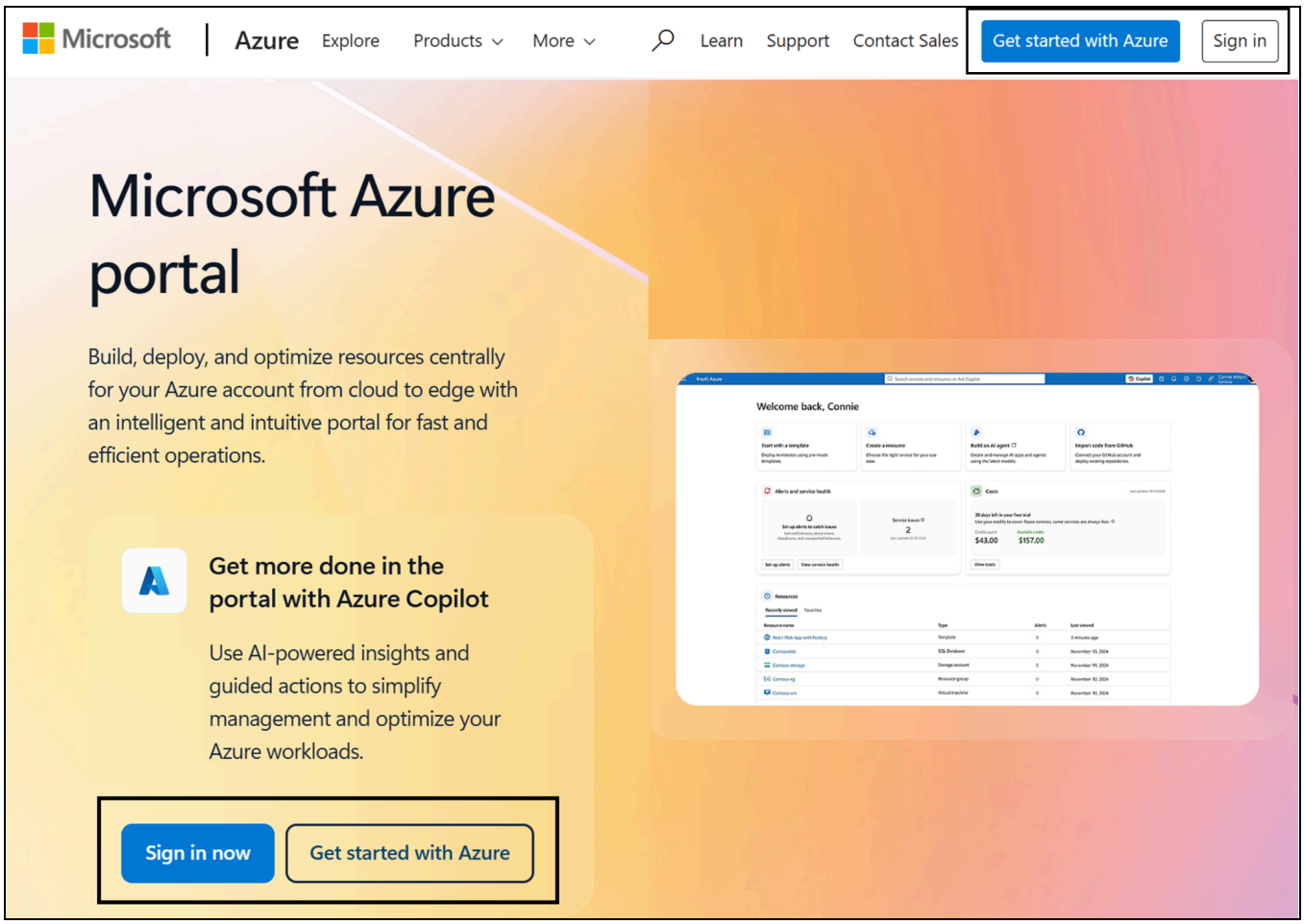
Generating Credentials

Follow these steps to generate Microsoft trans;lator subscription key credentials and integrate functionality on your FATbit product.

Step 1: Visit the Microsoft Translator Azure portal dashboard

On your browser go to the Microsoft Translator Azure portal website: https://azure.microsoft.com/en-in/get-started/azure-portal/



Step 2: Sign up with your email address

If you already have an account, click Sign in now from the home page and login using your Microsoft account credentials.

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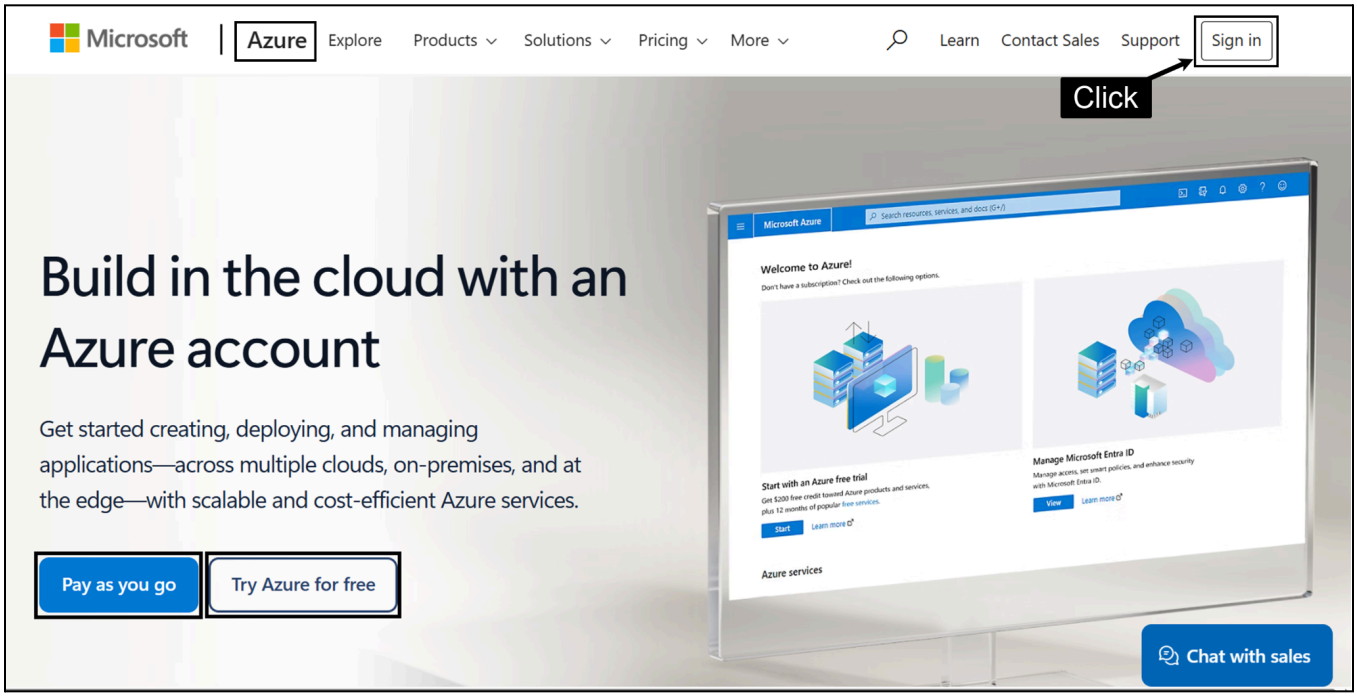
In case of a new user, from the home page of Microsoft Translator Azure portal, click

Get started with Azure

to create a new azure account.

The Azure portal will appear.



On the top right corner of the header menu, click **Sign in.**

This will open a sign in form.

If you already have an account on Azure portal, simply login with the registered email address.

For signing up on the platform, follow the procedure ahead.

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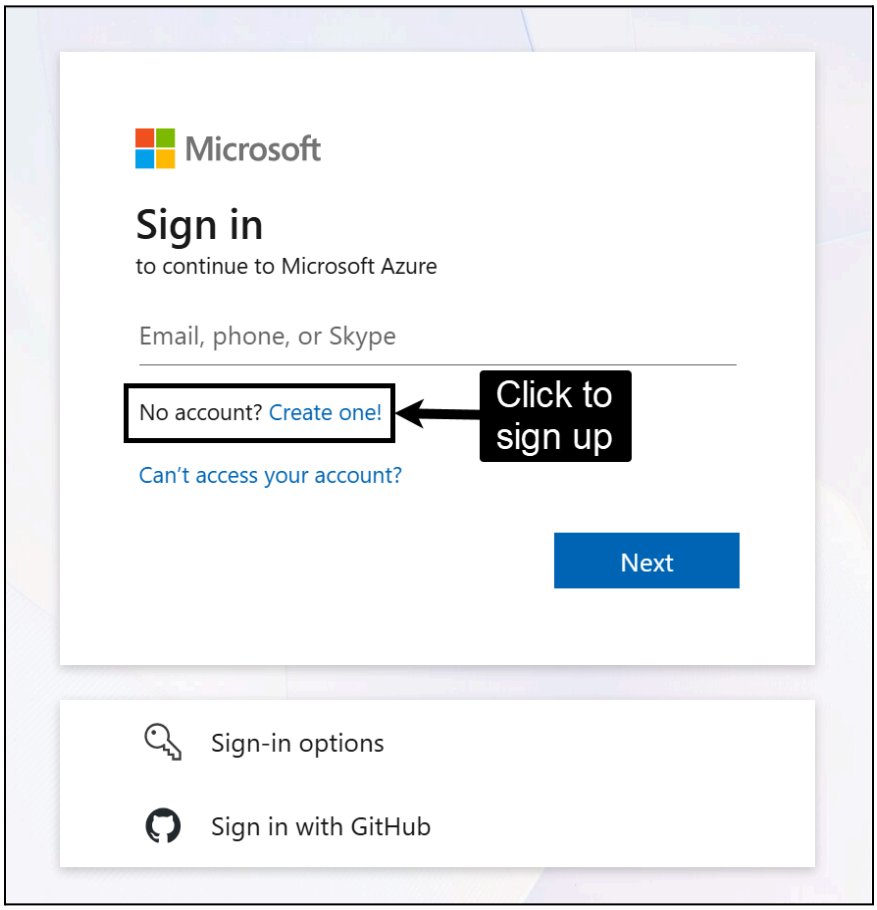
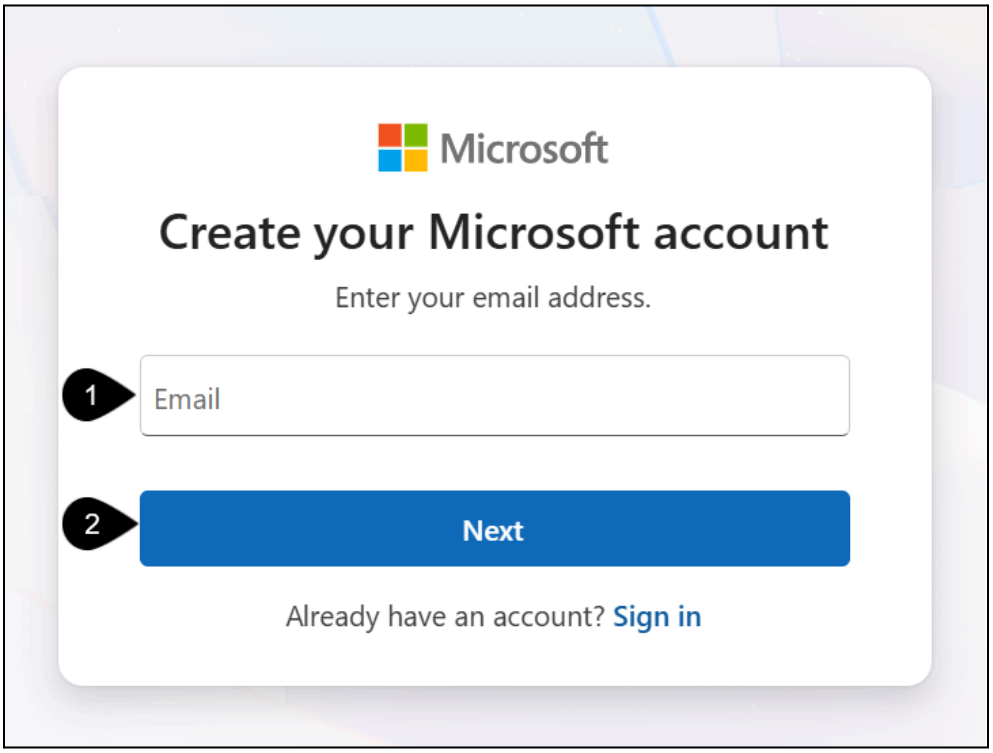


Click **No account?Create one!**, you will be redirected to the sign up page.



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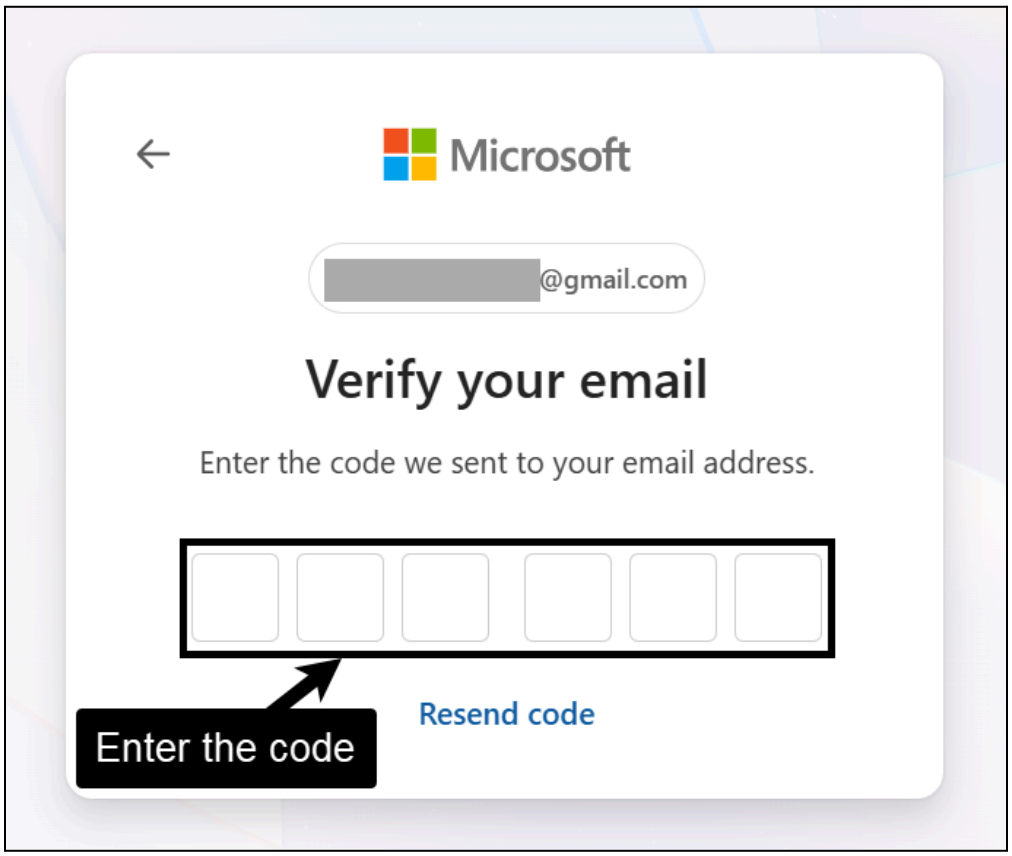
Update the following:

- **Email:** Enter your email address.

Click **Next.**

Verification code will be sent to your email address.



Copy the code from the email and enter it here.

The next tab will appear.

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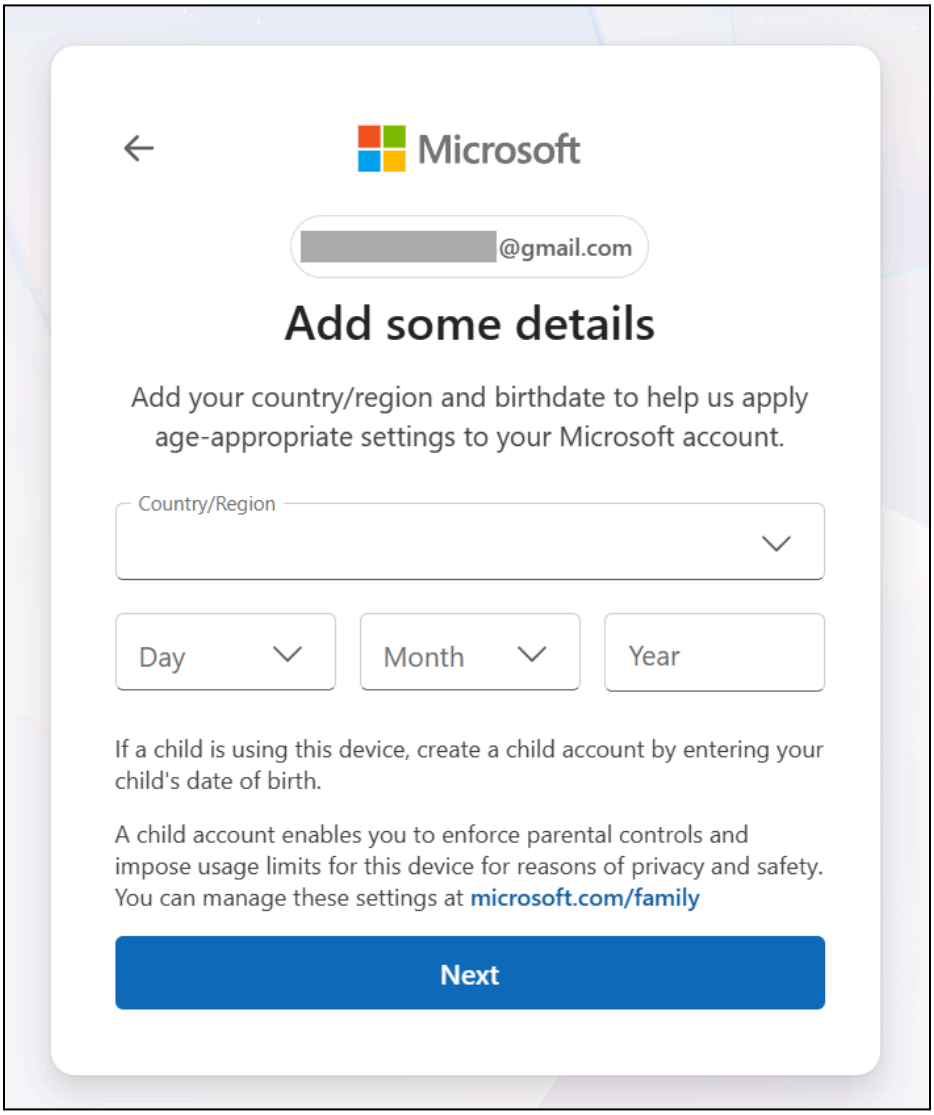

Update the following:

- **Country/Region:** Click the drop-down and select your country or region from the list.
- **Day:** Click the drop-down and select the day of your birth from the list.
- **Month:** Click the drop-down and select the month of your birth from the list.
- **Year:** Click the field and enter the year of your birth.

Click **Next.**

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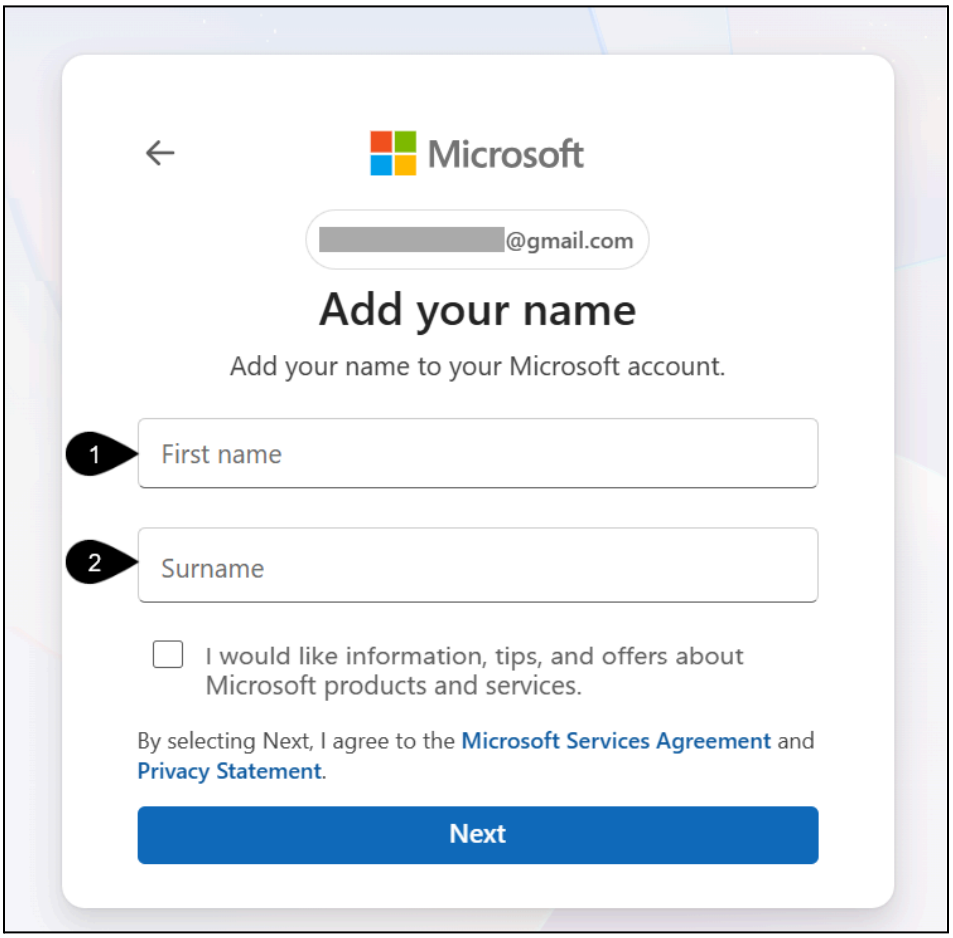

Update the following:

- **First name:** Enter your first name.
- **Surname:** Enter your surname.

Click **Next**.

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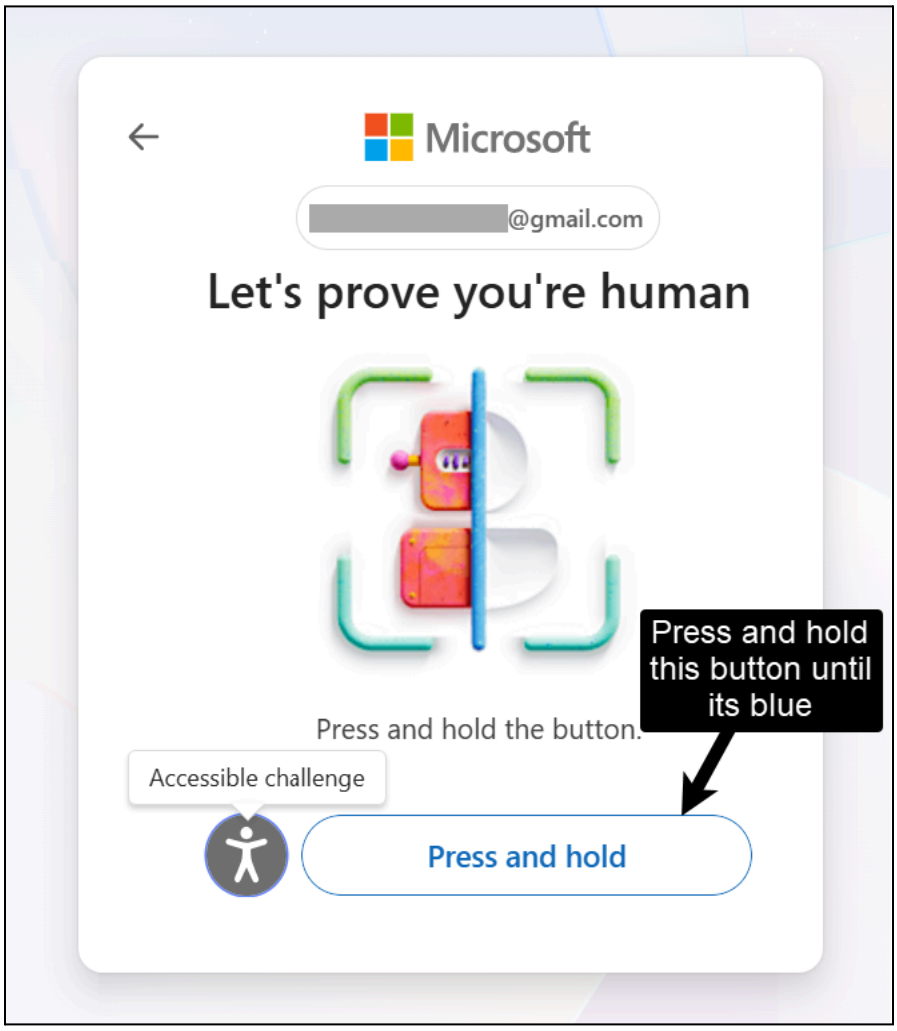

Press and hold the button until it turns **blue** to verify that you are a human.

After the verification is done you will be landed on the **Home page** of Azure.

Step 3: Buy Subscription

To use services provided by **Azure**, you must have an active subscription plan. Purchase a subscription before proceeding.

On the **Home** page, scroll down to the **Azure services** section.

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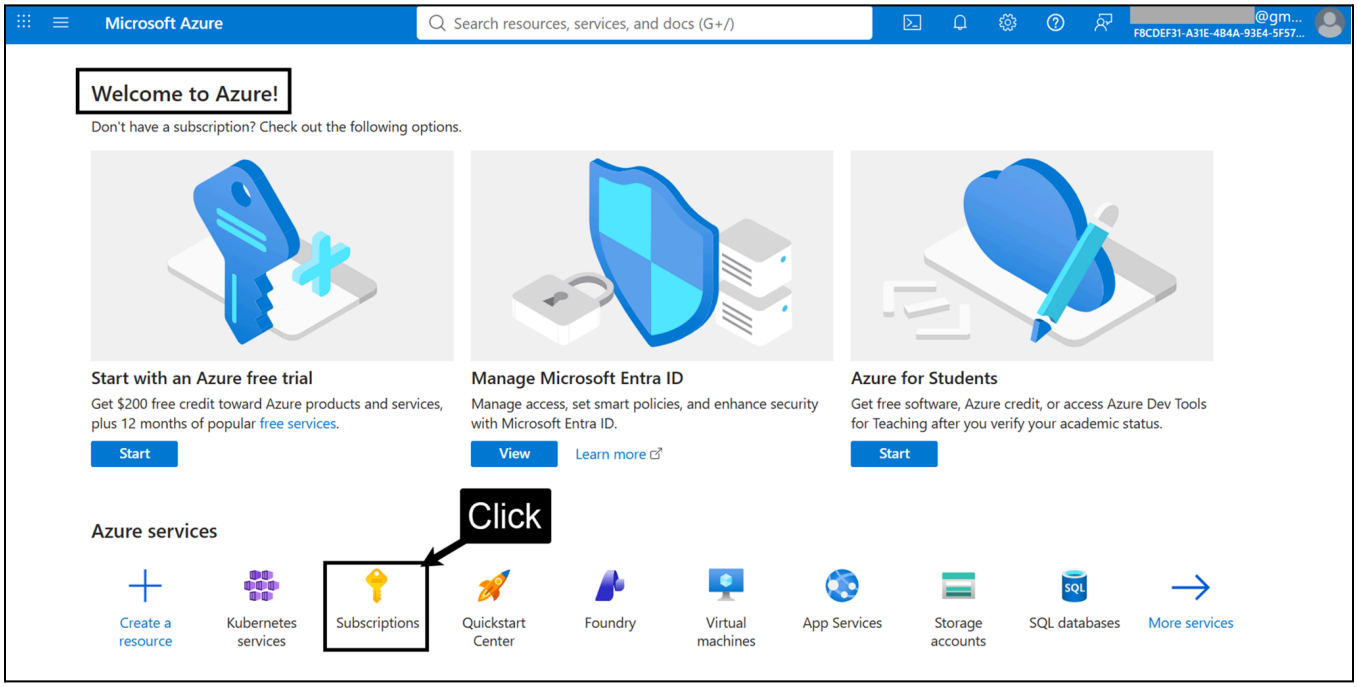
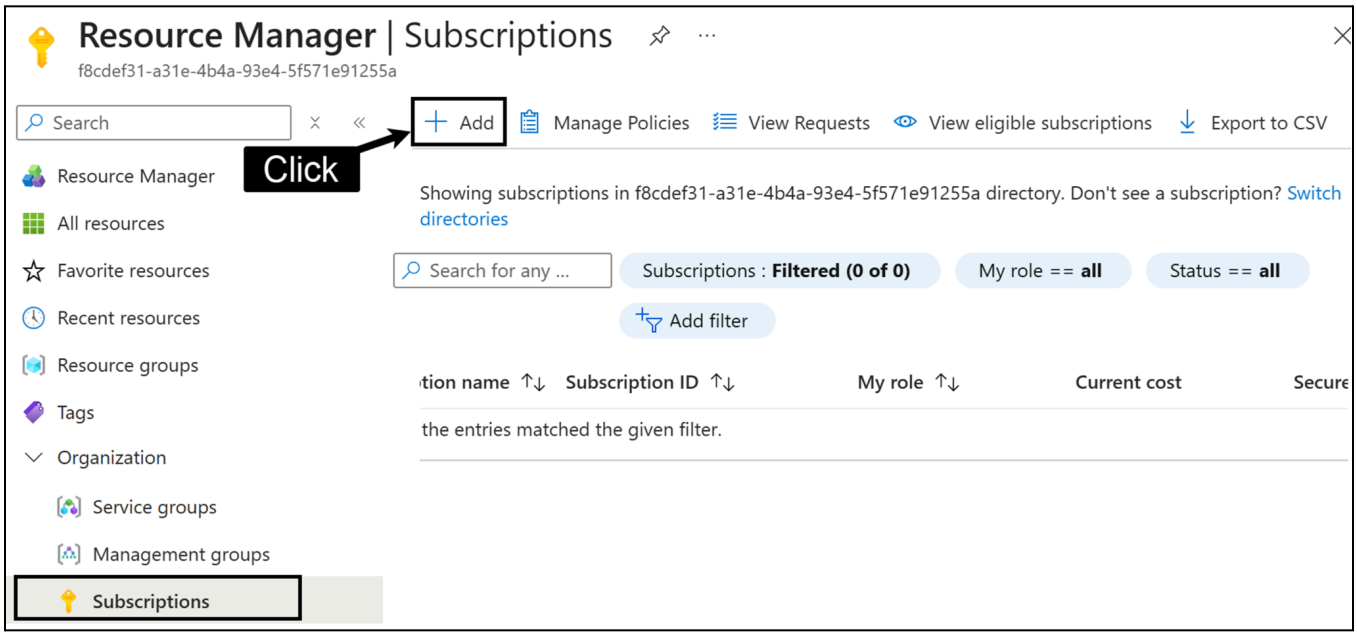


Under the Azure services section, click **Subscriptions** and you will be redirected to the **Subscription** page under the **Resource manager** page.



On this page, click + Add and you will be redirected to the offer listing page.

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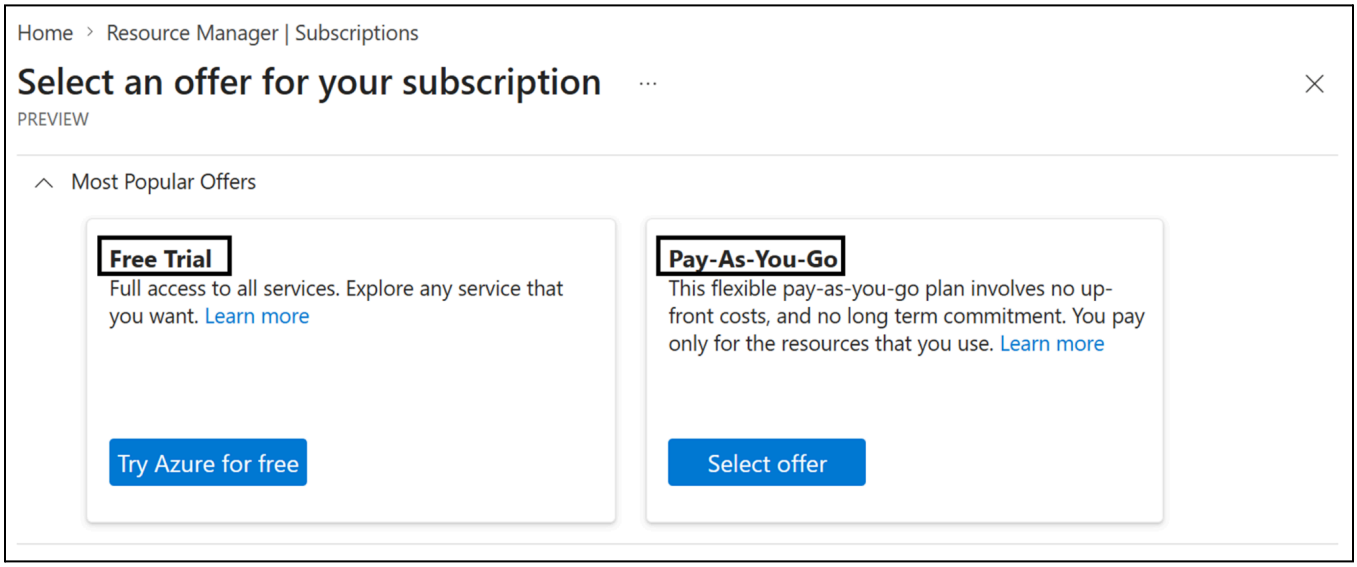
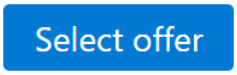


There are two plans:

1. The **Free trial** plan is suitable for evaluating the **Microsoft translating service** or handling applications with low translation requirements. It includes up to 2 million translated characters per month at no cost. However, Once this monthly quota is extended, the service stops processing translation requests until the quota is reset in the next billing cycle.

2. The **Pay-As-You-Go** plan charges you only for the **Azure services** you consume. For the **Microsoft translator**, the billing is based on the number of characters based on the number of characters translated, making it suitable for applications with ongoing or high-volume translation requirements.

Recommendation: For production environments or applications with frequent translation requests, it is recommended to use **Pay-As-You-Go** plan. This plan removes the limitation of the free trial and ensures that translation requests continue without interruption while charging only for actual usage.

If going for the **Pay-As-You-Go** go plan, click 

and you will be redirected to the verification and payment tab.

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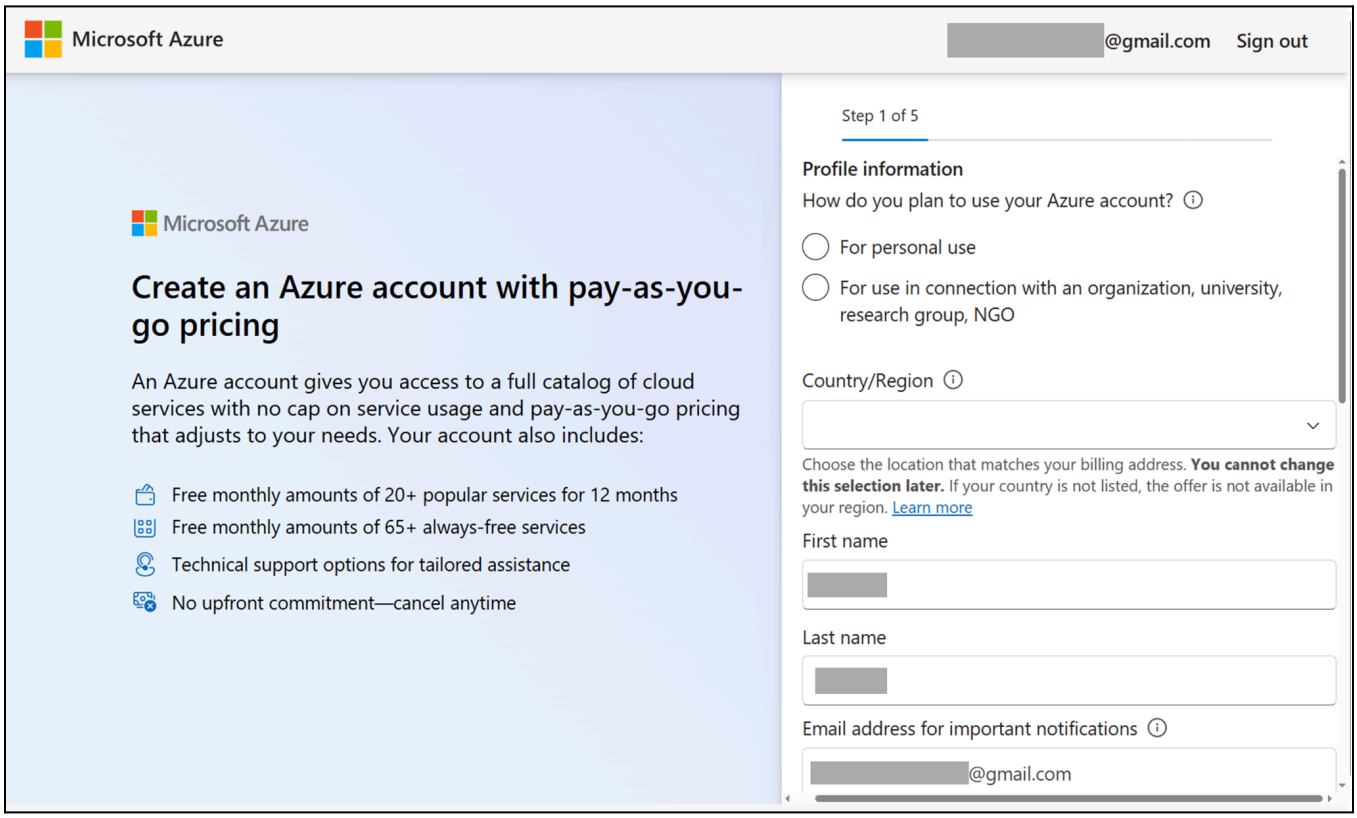

Update the following:

Profile information

Account Usage: Select how you intend to use the Azure account:

- **For personal use :** Choose this option if the account is for individual use.
- **For use in connection with an organization, university, or NGO:** Select this option if the account will be associated with an organization or institution.

Country/Region: Select the country or region that matches your billing address. This selection determines the billing location and cannot be changed after the account is created.

- **First Name:** This field is automatically populated with the first name associated with your Microsoft account.
- **Last Name:** This field is automatically populated with the last name associated with your Microsoft account.
- **Email Address for Important Notifications:** Specify the email address where Azure will send account-related notifications. By default, the email address associated with your Microsoft account is pre-filled.

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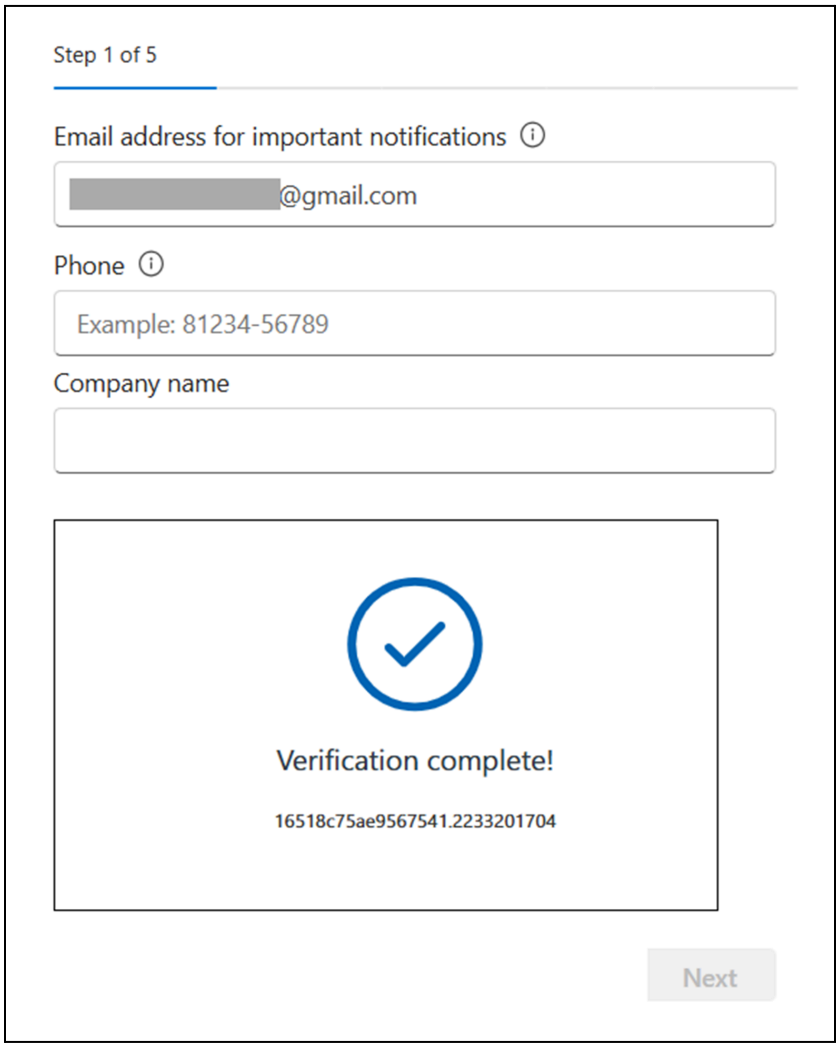
Scroll down and fill the following fields



- **Phone:** Enter your contact number. Azure uses this number for account verification and important account-related communications.
- **Company name:** Enter the name of your organization. This field is optional and can be left blank if you are creating an account for personal use.

Click **Next.**

The button remains disabled until all mandatory fields are filled.

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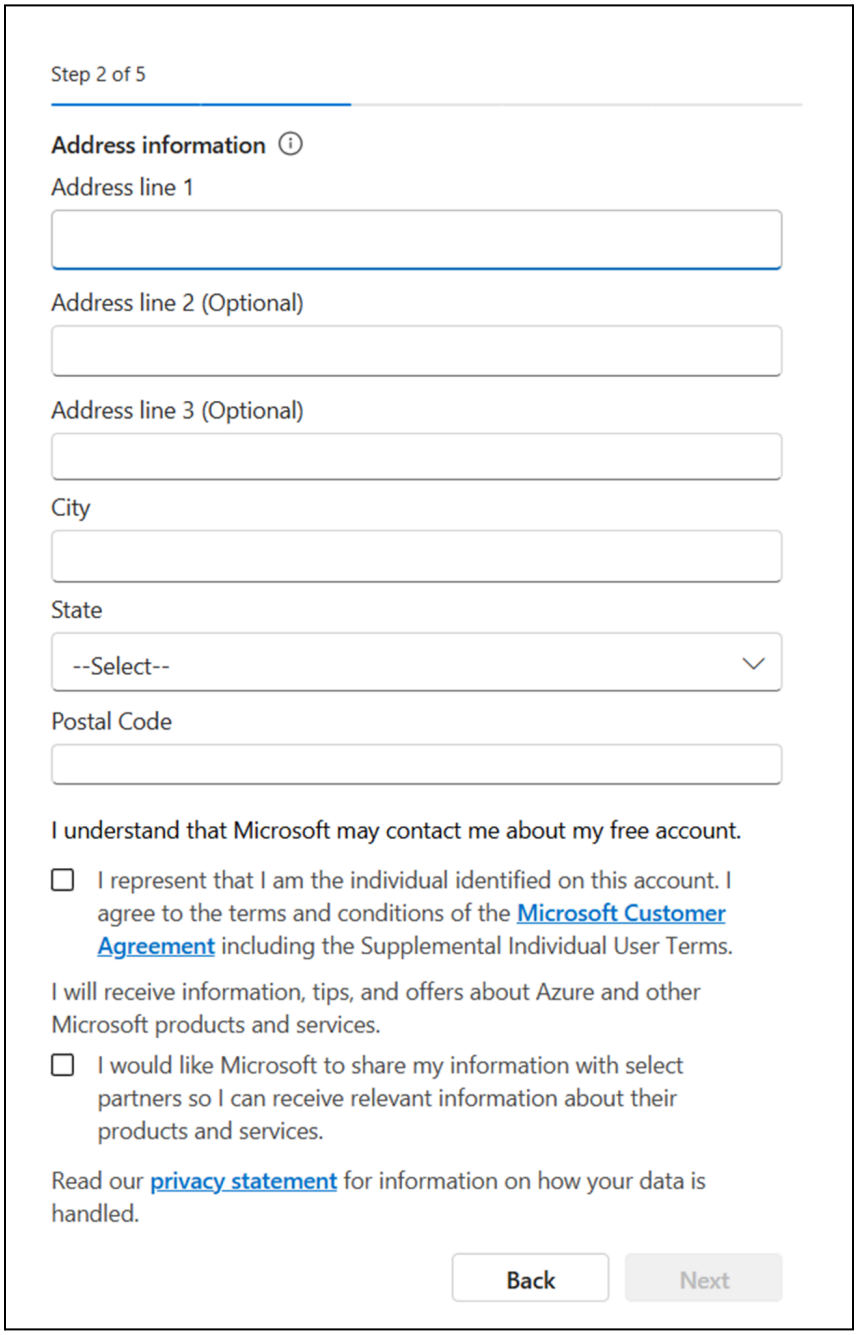

Update the following:

Address information

- **Address Line 1:** Enter the primary address associated with your billing address.
- **Address Line 2 (Optional):** Enter additional address details, such as an apartment, suite, or building number, if applicable.
- **Address Line 3 (Optional):** Enter any additional address information, if required.

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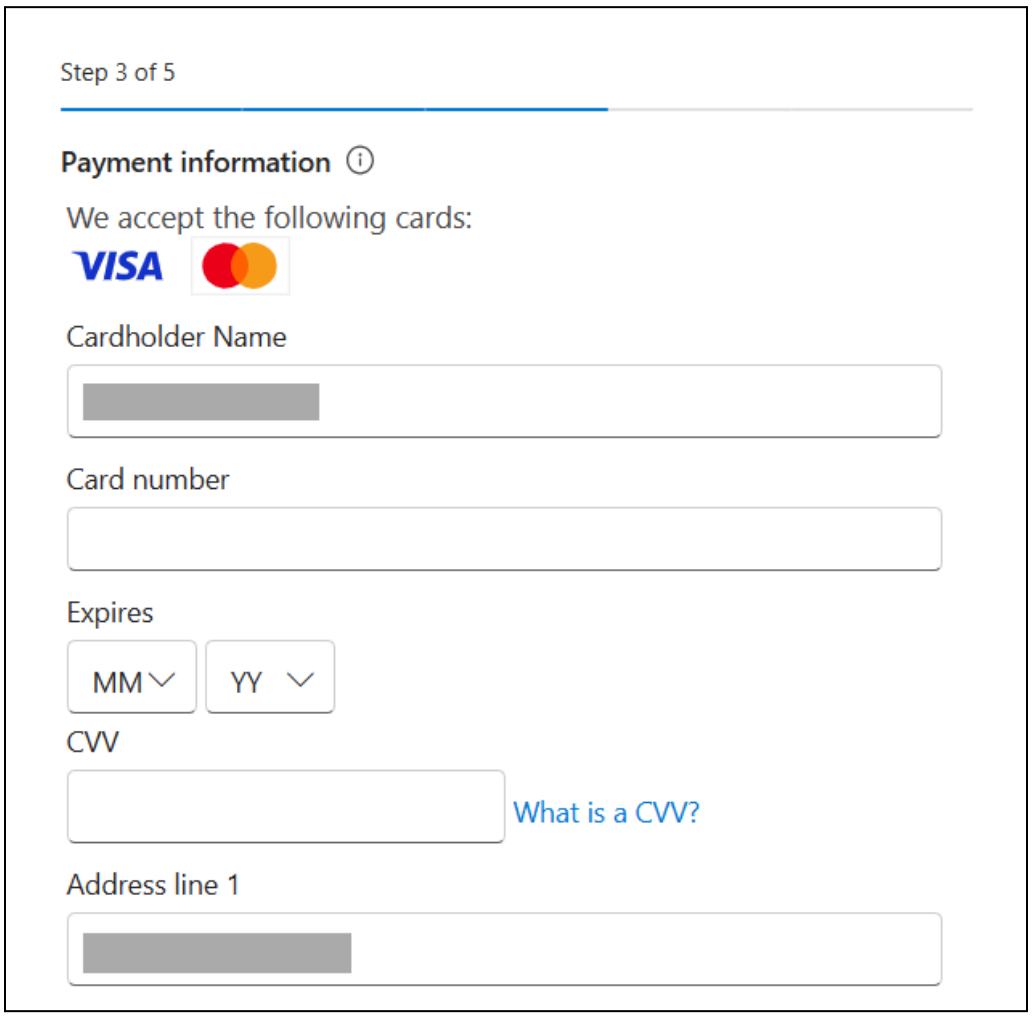
- **City:** Enter the name of your city.
- **State:** Select your state or province from the drop-down list.

Select the displayed checkboxes.

Click **Back** to return to the previous step.

Click **Next** to proceed.



Update the following:

Payment information

Select a card and fill the following information.

- **Cardholder name:** Enter the name of the Card holder.
- **Card number:** Enter the number of the card.

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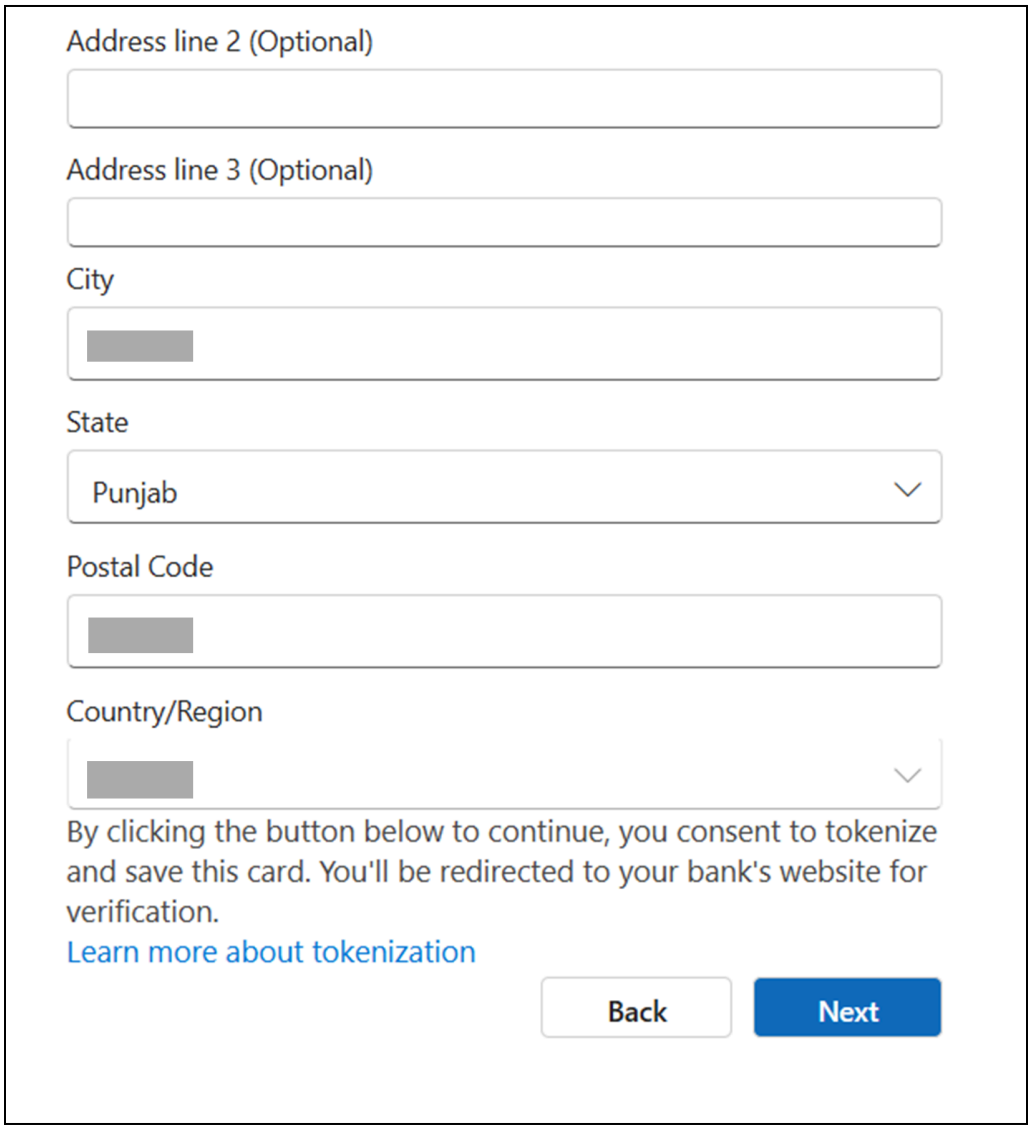
- **Expires:** Select the expiring month and the year of the card.
- **CVV:** Enter CVV number of the card.
- **Address line 1:** Enter the address.



- **Address line 2 (Optional):** Enter additional address details, such as an apartment, suite, or unit number, if applicable.
- **Address line 3 (Optional):** Enter any further address information, if required.
- **City:** This field is automatically prefilled based on your previously added address details. Modify it if necessary.
- **State:** Verify the prefilled state or select a different one from the drop-down list, if required.

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- **Postal Code:** Confirm the prefilled postal or ZIP code.
- **Country/Region:** Verify the prefilled country or region.

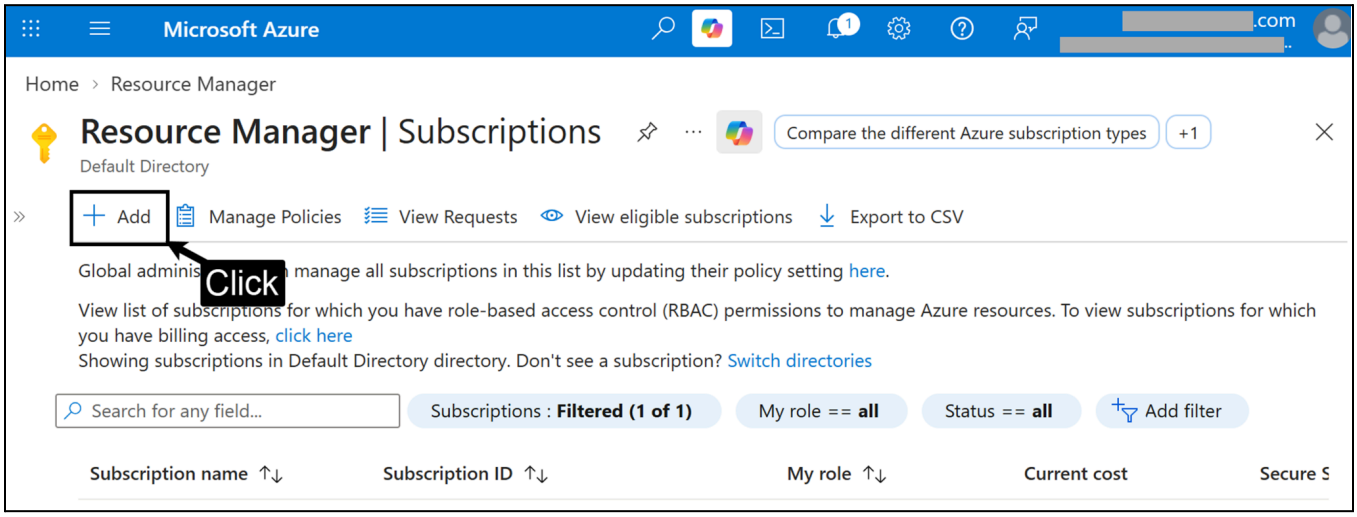
Click **Back** to return to the previous step.

Click **Next** to proceed.

Complete the upcoming steps such as bank and contact verification to buy the Pay-as-you-go package.

Step 4: Create subscription ID

Once the subscription is added the page will list the added subscription.



To generate the subscription ID, click + Add



Update the following:

- **Subscription name*:** Enter the name of the subscription.

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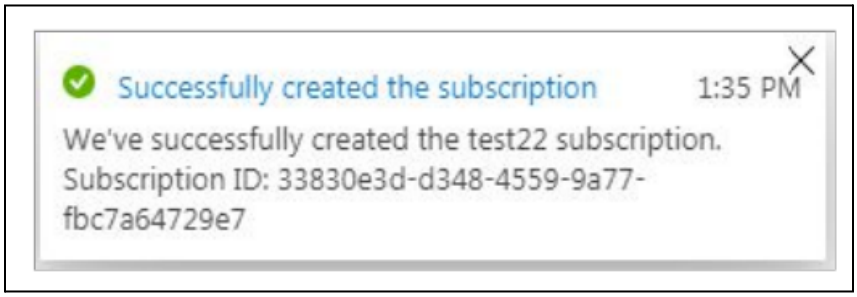
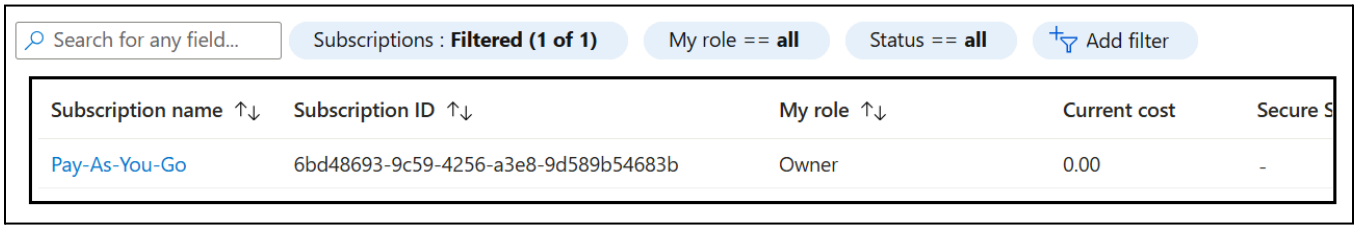
Click **create**.

Once the subscription is created, a confirmation message will be displayed.

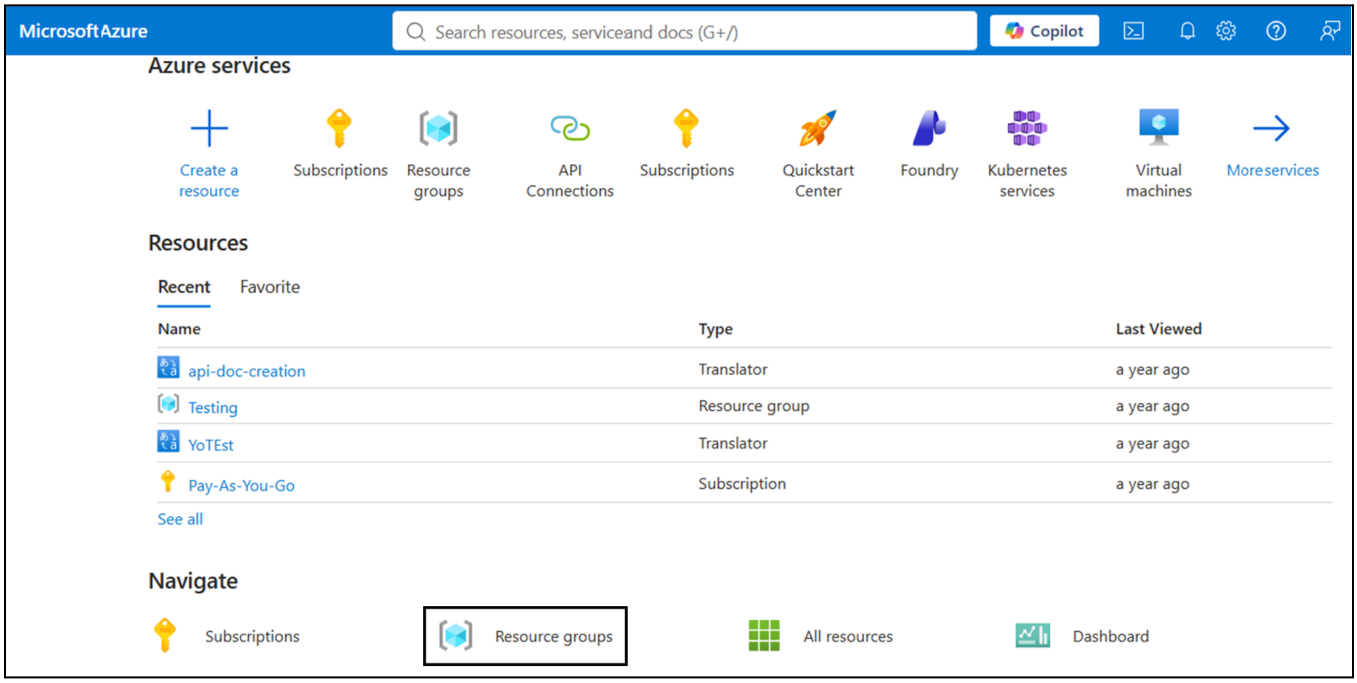


The newly added subscription will be displayed in the list on the same page.



Step 5: Create New Resource group

Create a new resource group for the subscription.



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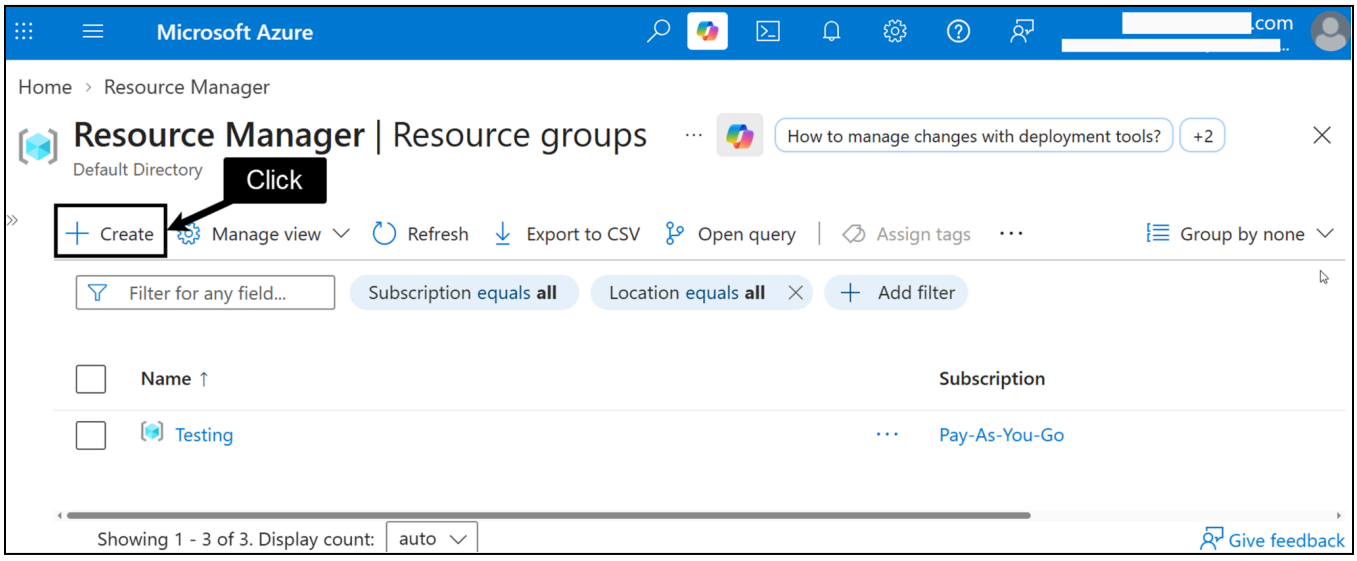
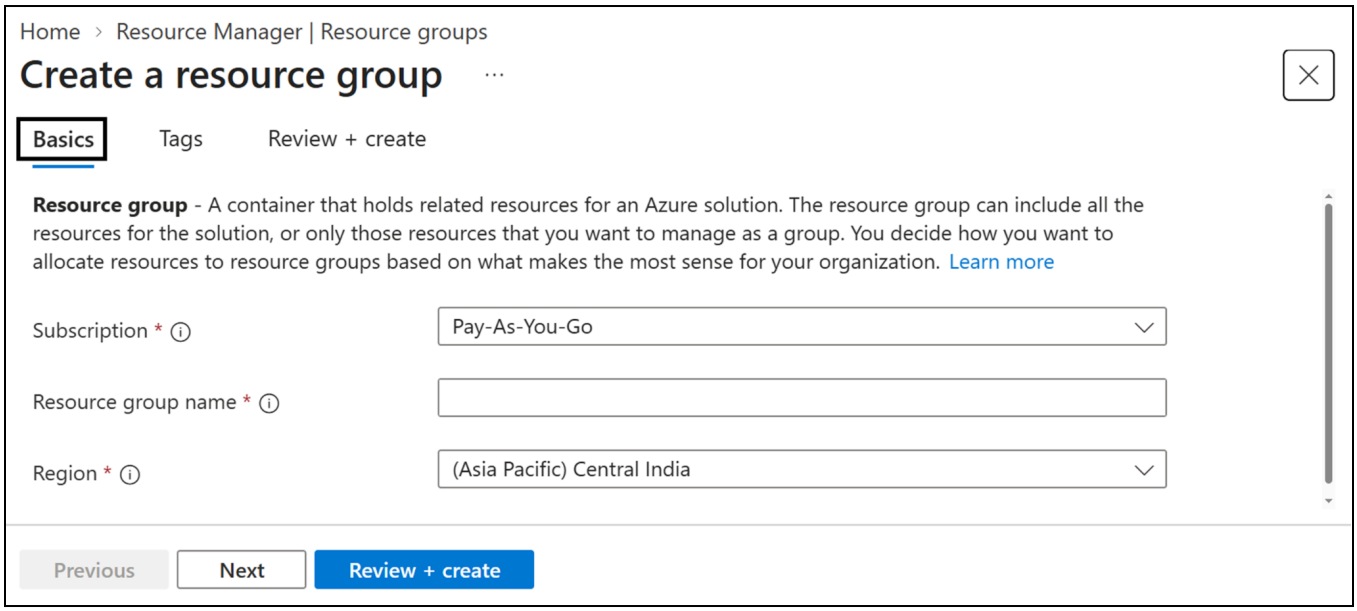
Click **Resource group.**



Click + Create and **Create a resource group** page open.



Basics tab

Update the following:

- **Subscription*:** Click the drop-down and select the active subscription for which you want to create a resource group.
- **Resource group name*:** Click the field and enter the name for the resource group.

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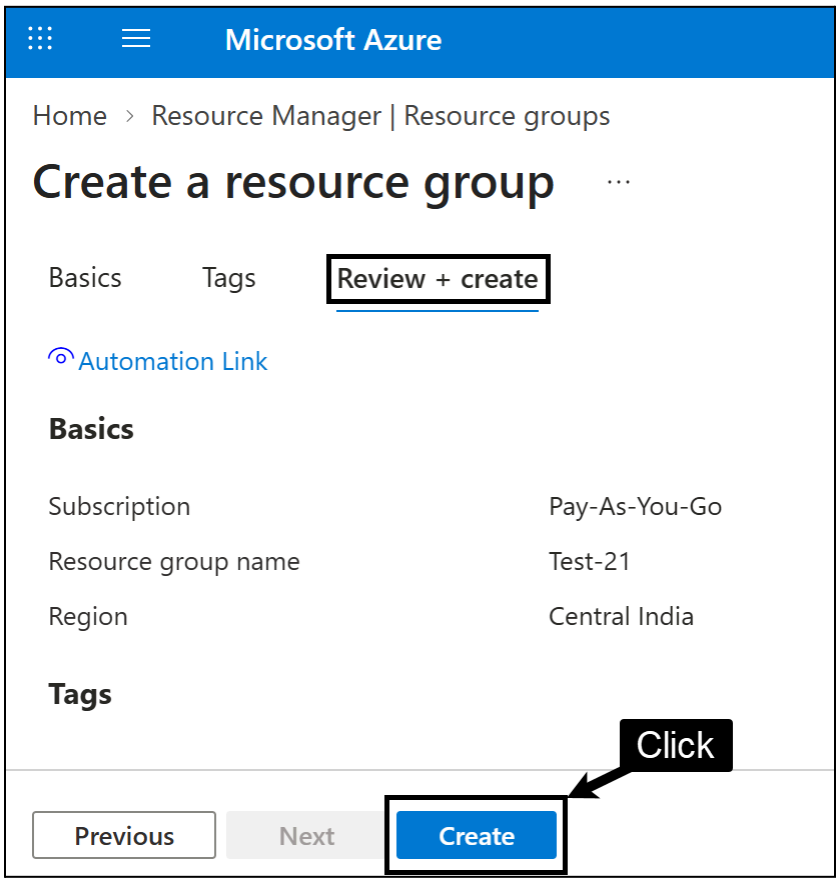
Resource group names can only include alphanumeric, underscore, parentheses, hyphen, period (except at end), and Unicode characters that match the allowed characters.

- **Region*:** Click the drop-down and select the preferred region.

Click **Review + create**.

The **Review + create** tab opens.



Click **Create**.

A pop confirmation message will appear.



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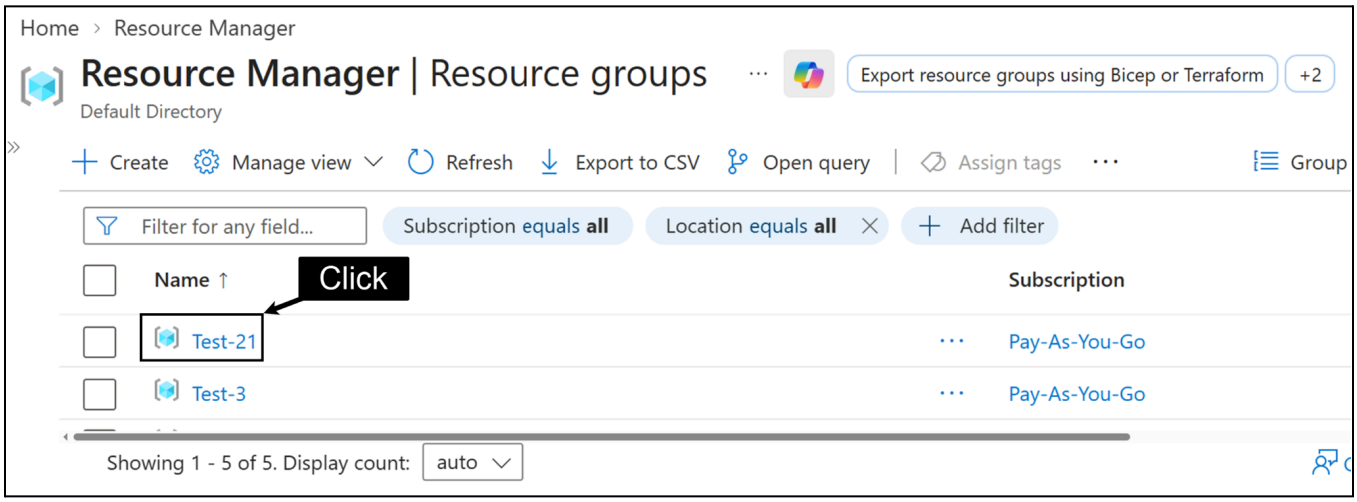
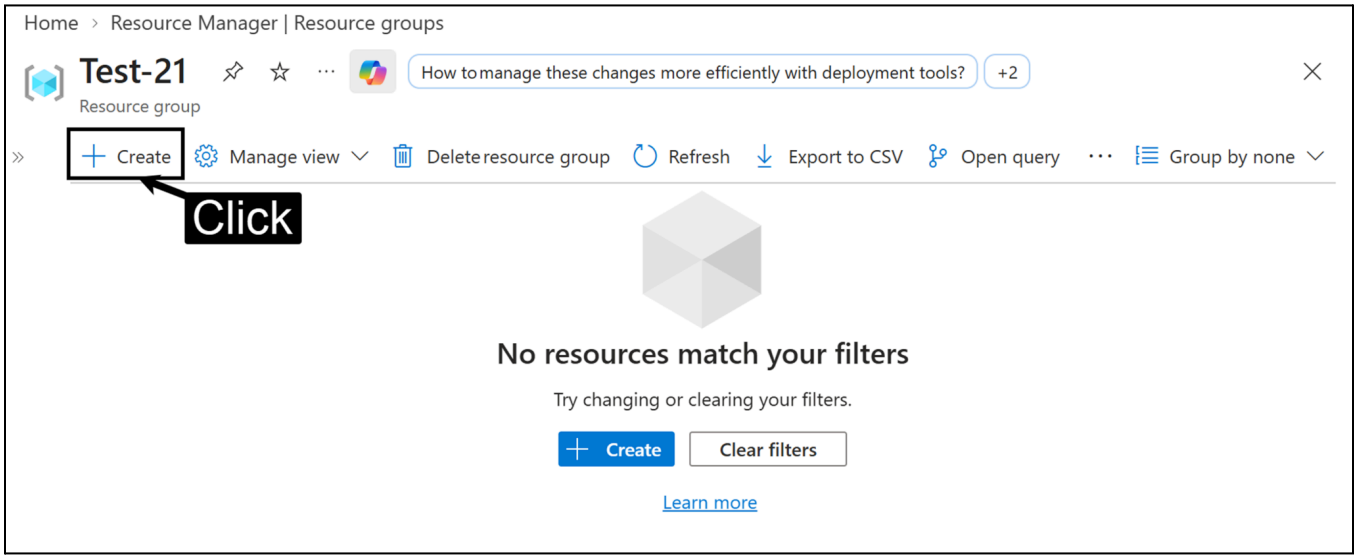
Step 6: Create Translator for the Resource group

The newly created resource group will be listed in the resource group table.



Click the **name** of the resource group and you will be redirected to its **details** page.



Click + Create and the **Marketplace page** opens.

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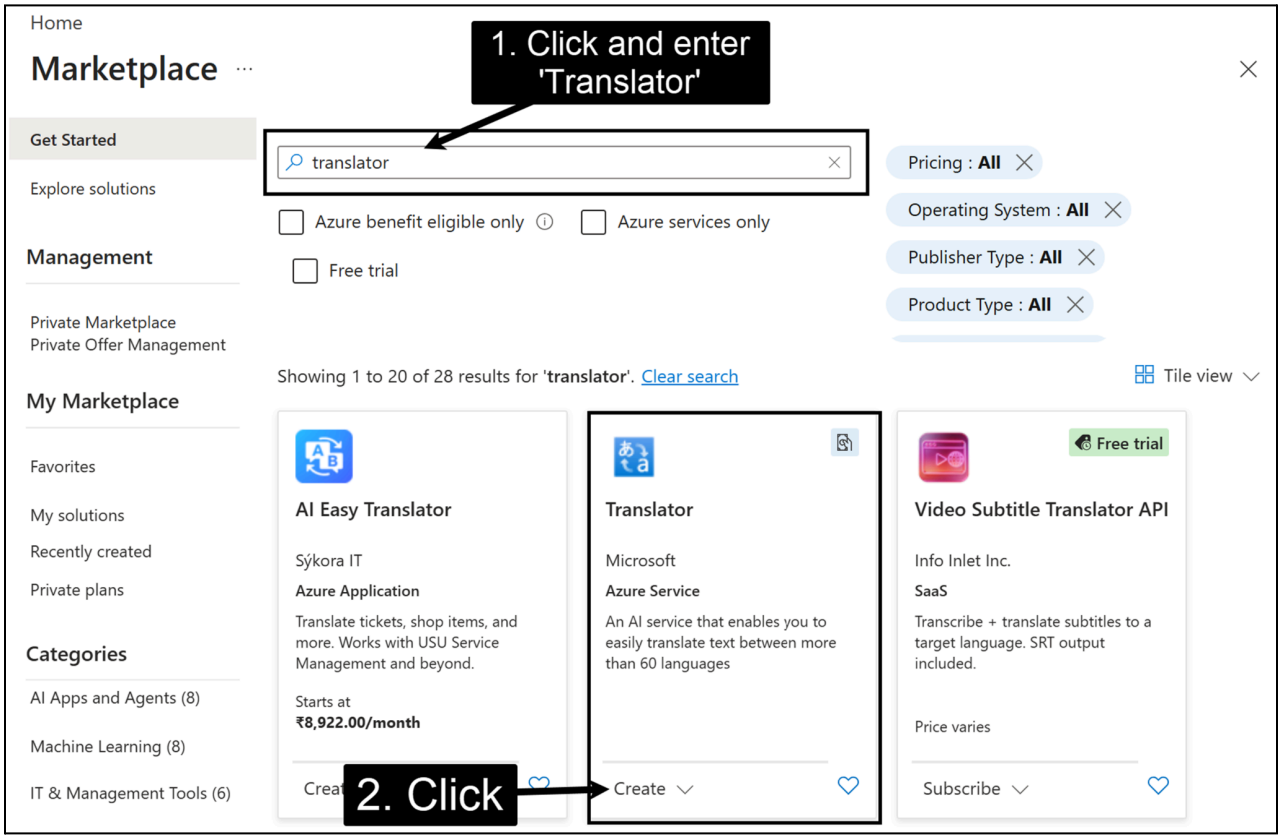
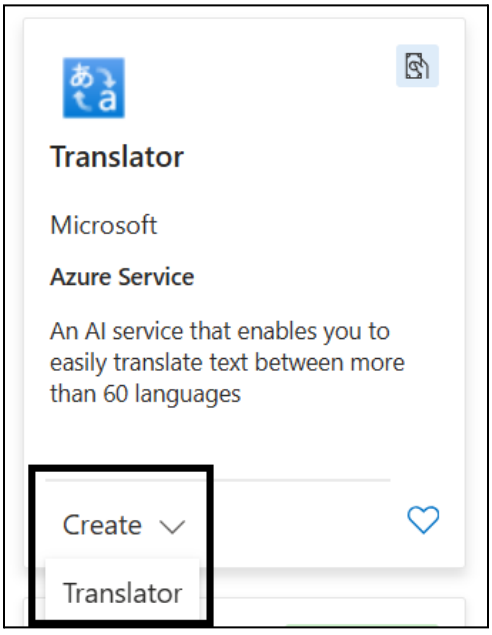


On the **Marketplace** home page, click the search field and write **'Translator'**.

Click **enter** on your keyboard.

As shown in the image, select the **Translator** service provided by **Microsoft** from the search results.



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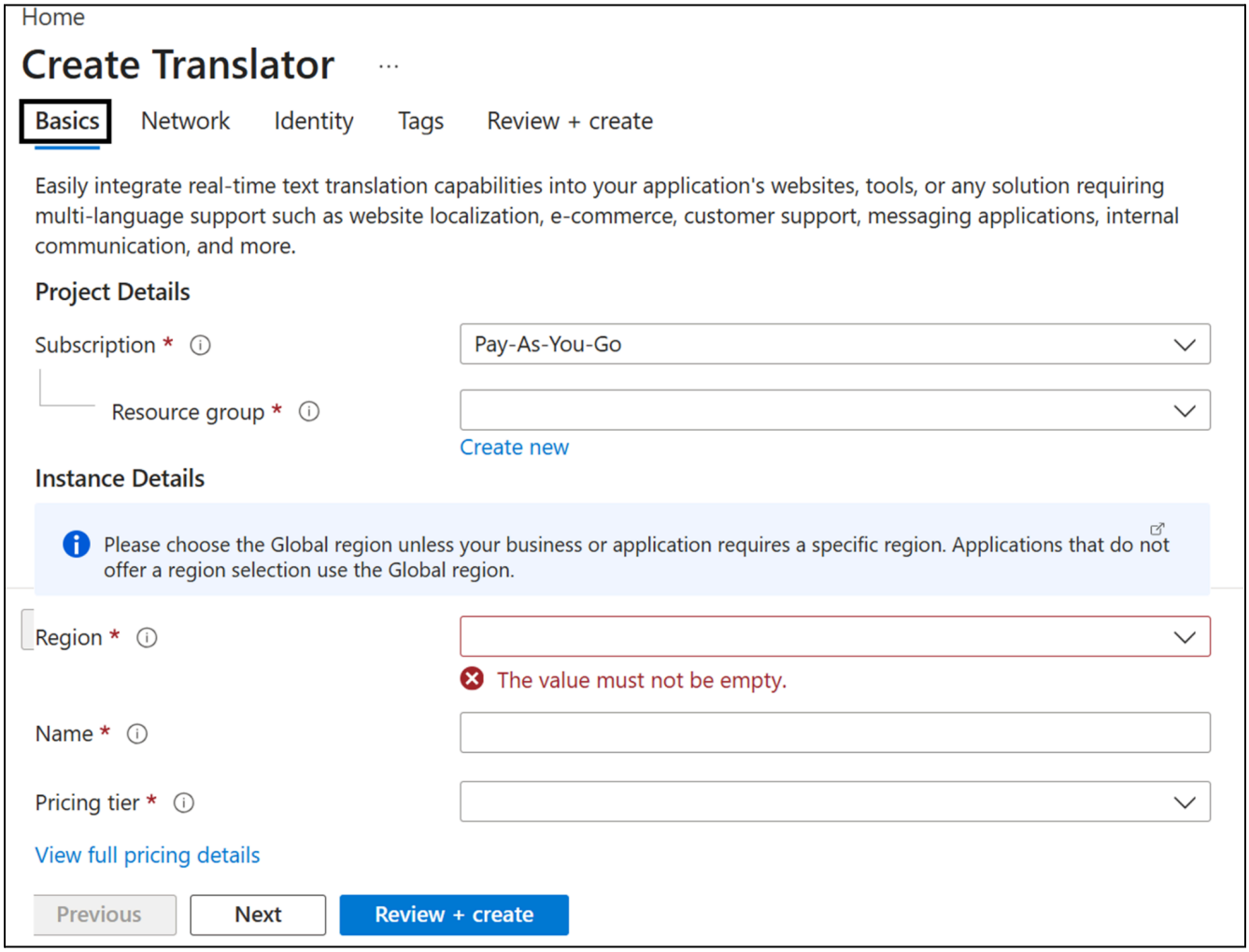
Click **Create** on the bottom of the service card and select **Translator**.

The Create **Translator** page opens.



Basics tab

Update the following:

- **Subscription*:** The active Azure subscription is prefilled in this field.
- **Resource group name*:** Click the field and select the name for the resource group for which you are creating the translator resource.
- **Region*:** Click the drop-down and select the 'Global' region.

  *Select **Global** as the region when configuring the Translator service for **FATbit** products, as the service setup requires the Global region for these applications.*

- **Name*:** Enter a unique name for the translator.

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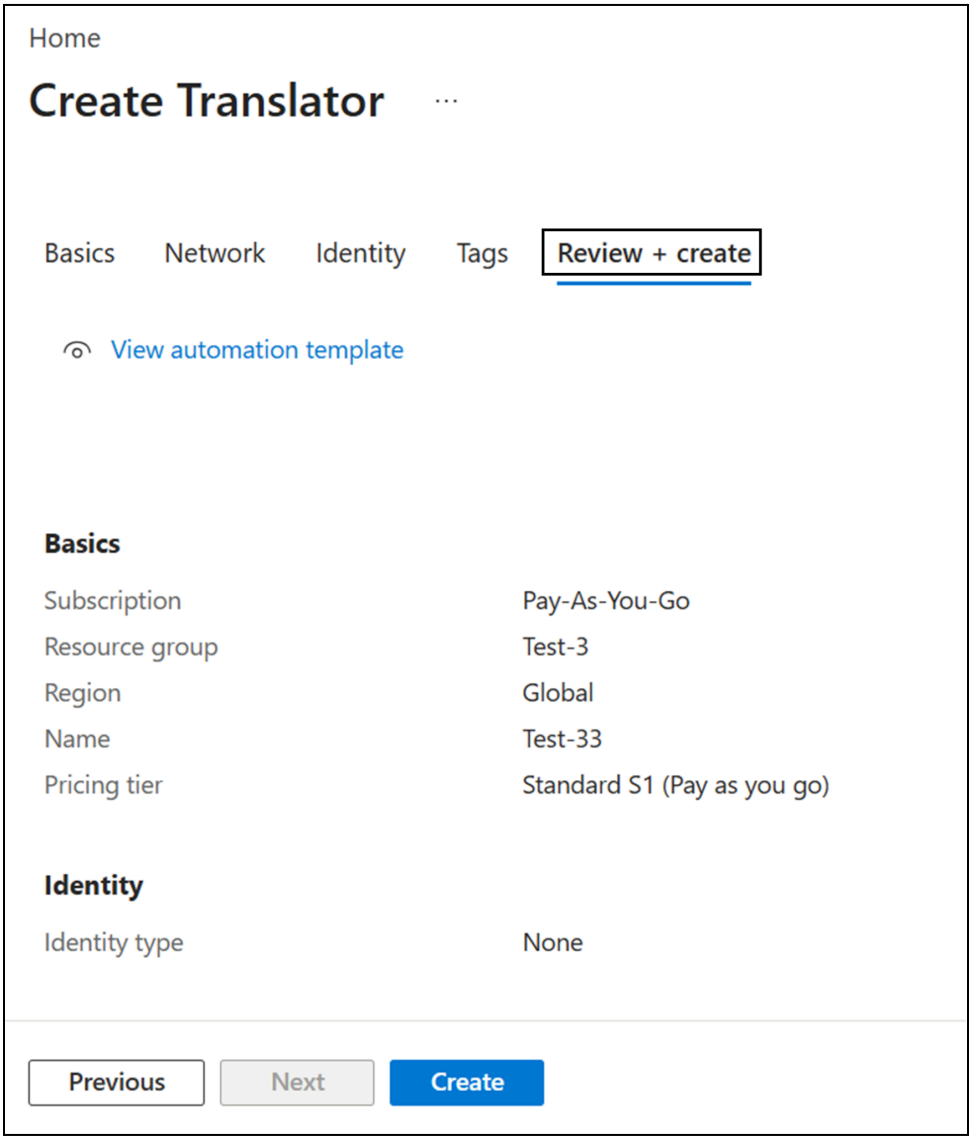
- **Pricing tier*:** Click the drop-down and select "**F0 (2M Up to 2M characters translated per month)**" pricing tier from the list.

  *The **F0 (Free) pricing tier** is limited to one Translator resource per Azure subscription. If an F0 Translator resource already exists within the subscription, select an applicable paid pricing tier when creating another Translator resource.*

Click **Review + create**.

The **Review + create** tab opens.



Click Create.

You will be redirected to the **CognitiveServicesTextTranslation** page and a pop confirmation message will appear.

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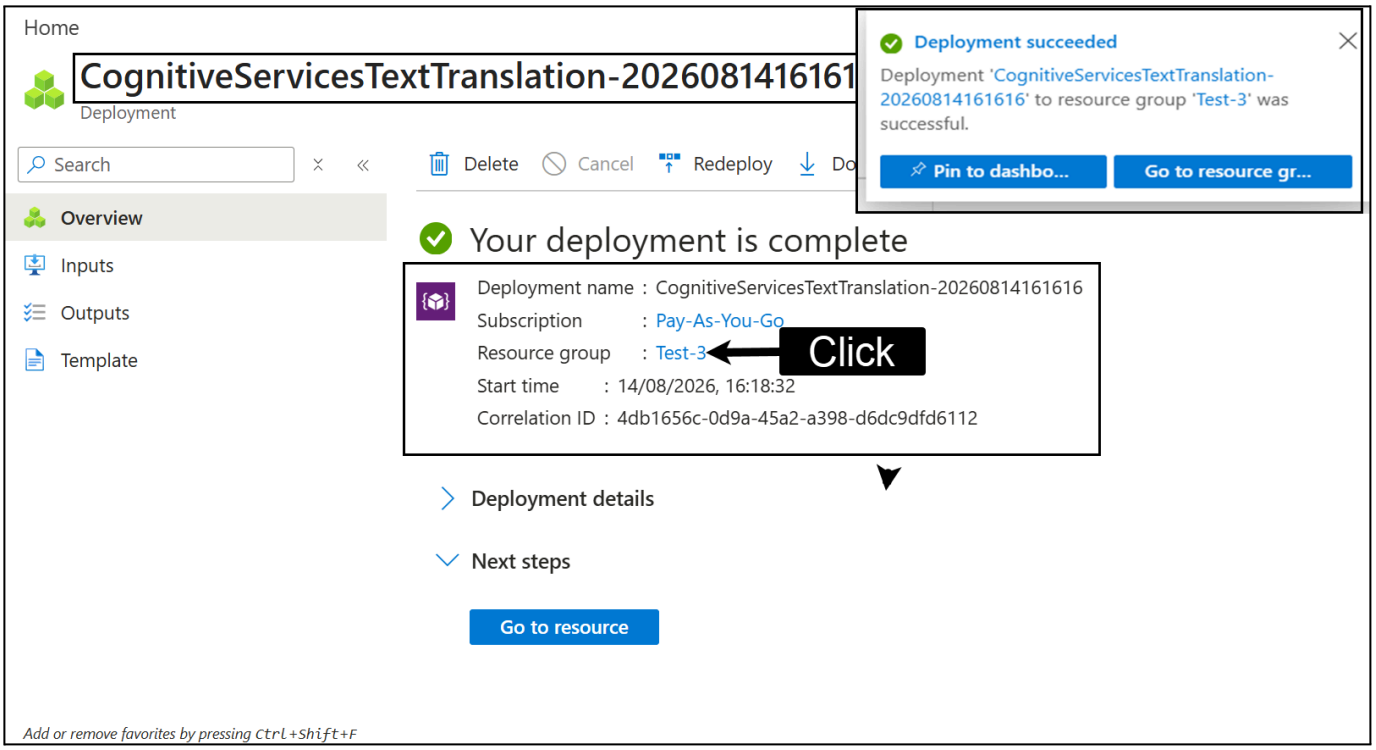

This page displays the confirmation of the deployment of the translator.

Step 7: Getting the Subscription keys

Click the **resource name** and you will be redirected to the resource listing page.

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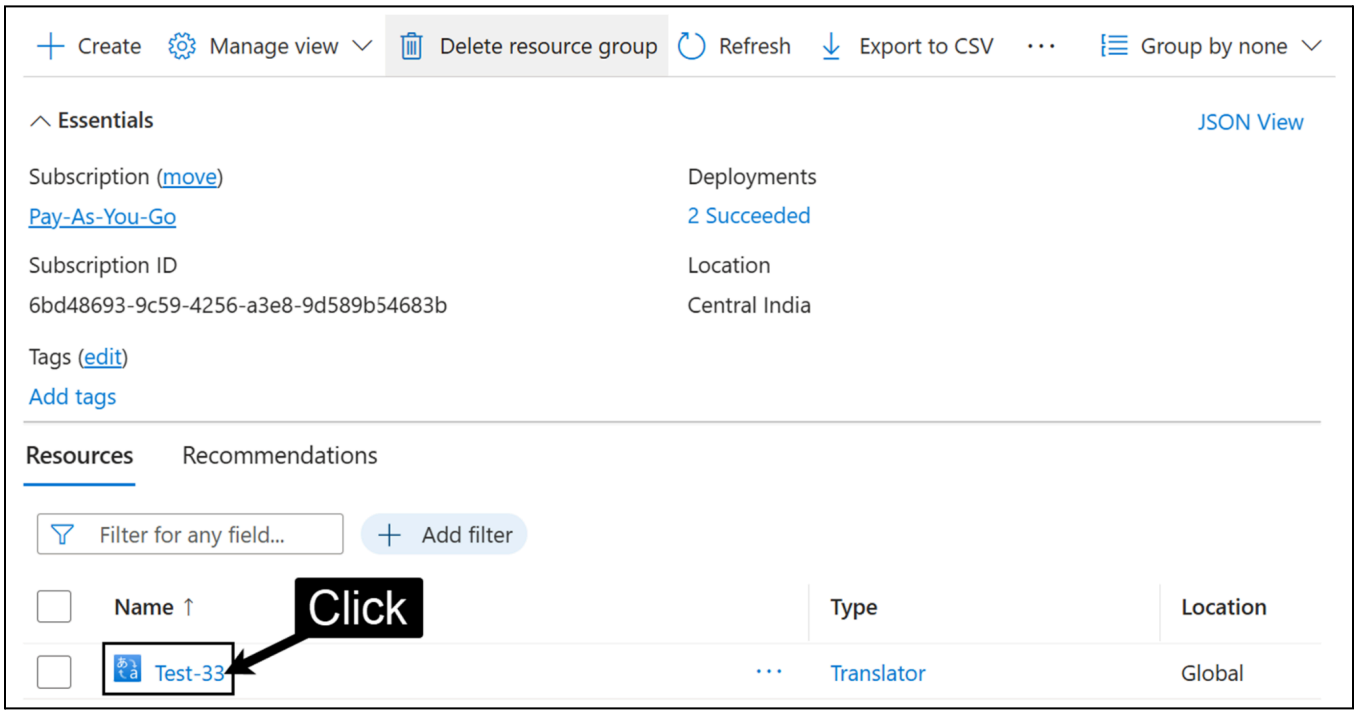
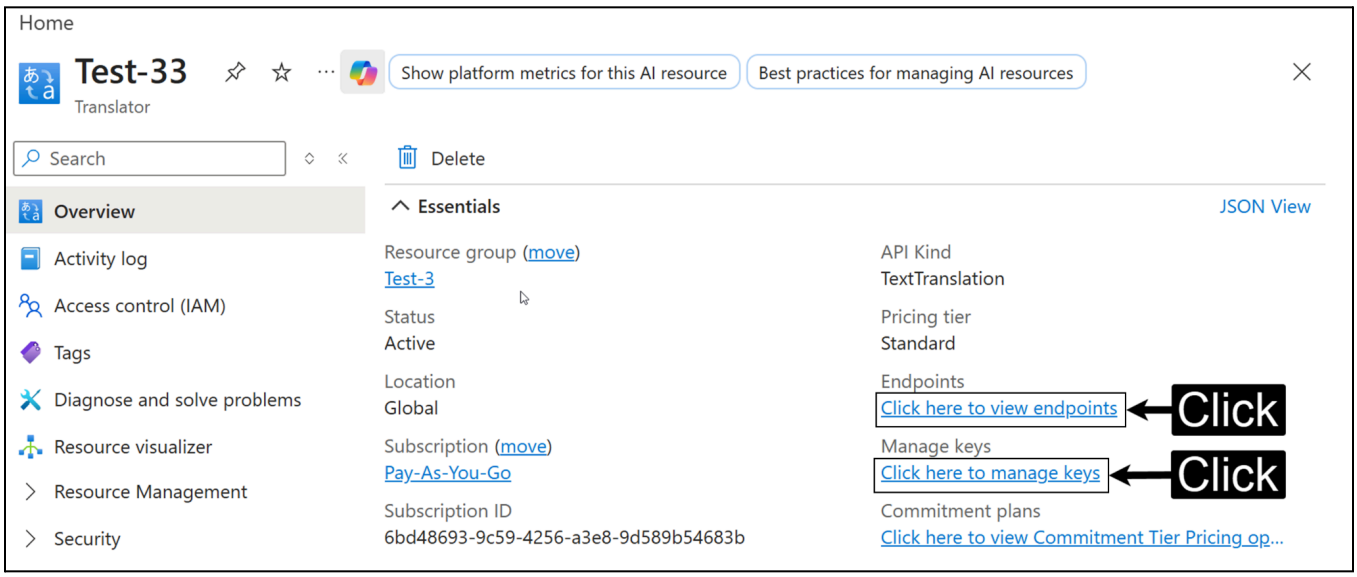


Click the **resource name** and you will be redirected to the detail page of the selected resource name.



Click the link present under **Endpoints** or **Manage keys** and you will be redirected to the **Key and Endpoints** page.

DISCLAIMER: Colors, design, and labels in screenshots may differ, and some steps may change as platforms update. The overall process remains the same—follow the prompts accordingly.

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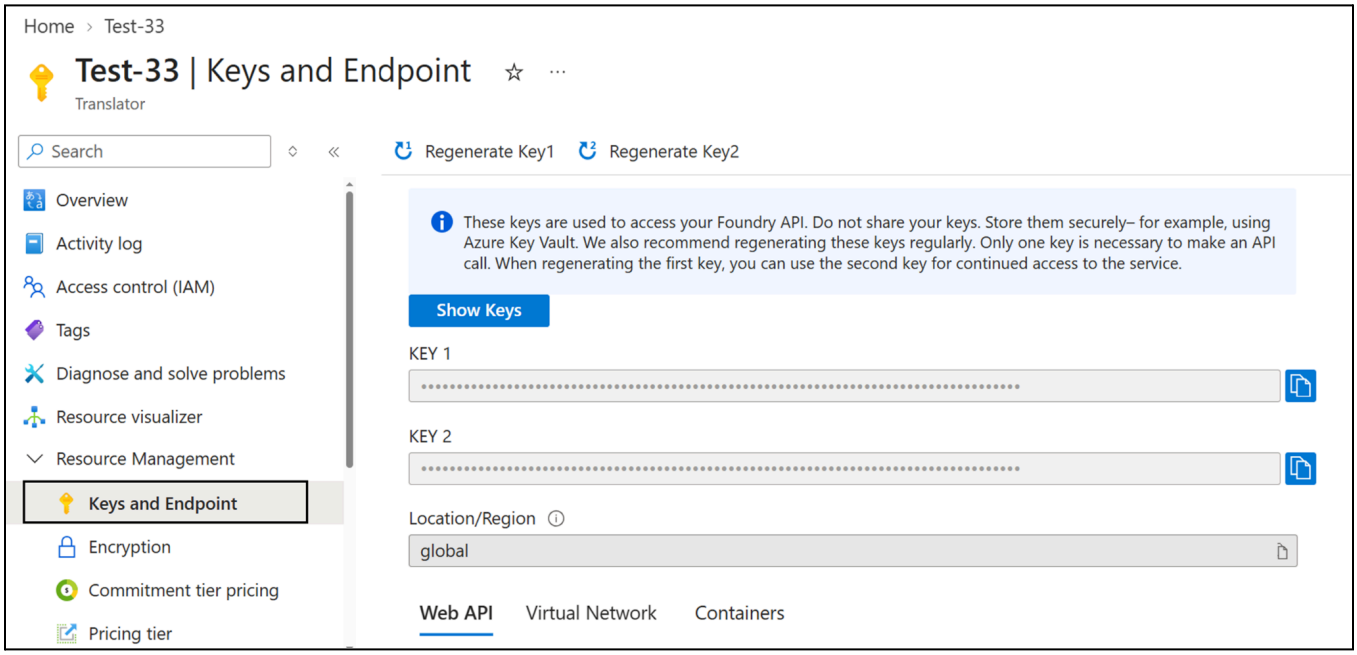
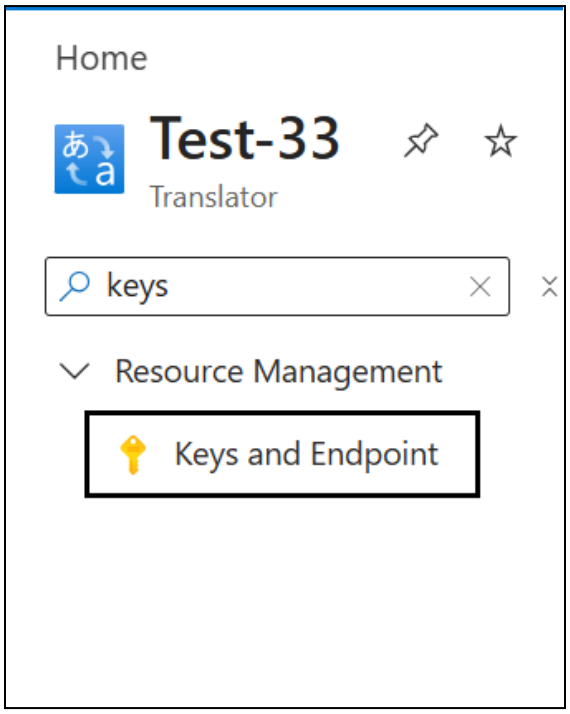


This page displays the Keys (Subscription Key).

Click  to Copy the keys on your clipboard.

The other way to navigate to this page is from the side navigation bar.

Click the search field and enter **Keys and Endpoint.**



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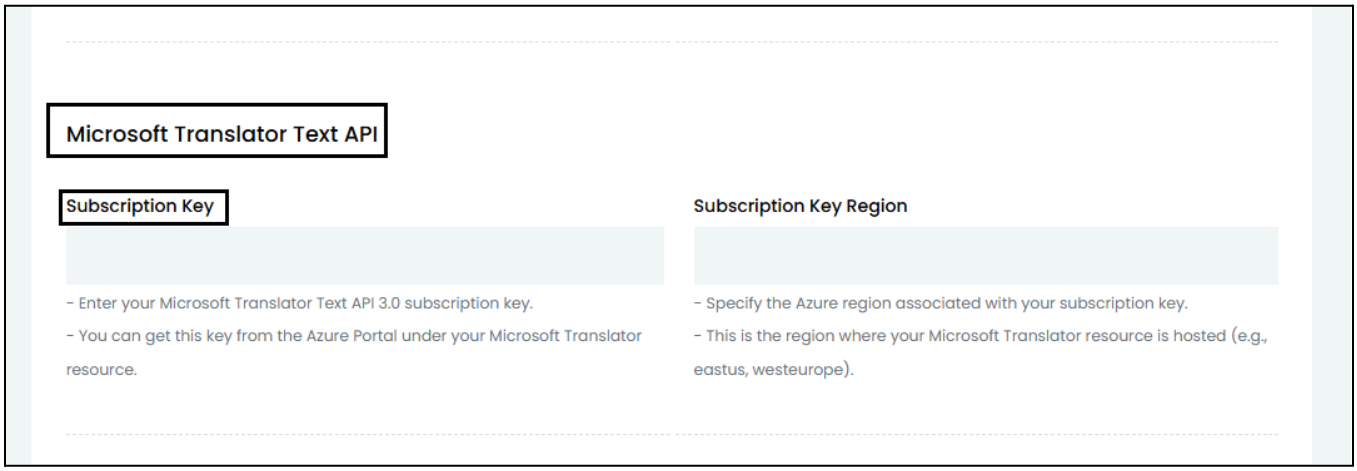
Select the Tab and you will be redirected to the **Key and Endpoints** page.

Step 8: Configure key on the platform

To enable 'Language data Translation' and run it successfully, the admin must update settings for the system to be used for Text translation.



Select and enter the **Subscription Key** that is generated in step 7 in the respective field.

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