Setting up a Microsoft Azure AI Computer Vision Account

You can set up an Azure AI Computer Vision account by creating a **Cognitive Services account** in the Azure Portal, which includes the **Computer Vision service**. This gives you access to APIs for image analysis, OCR, face detection, and more.

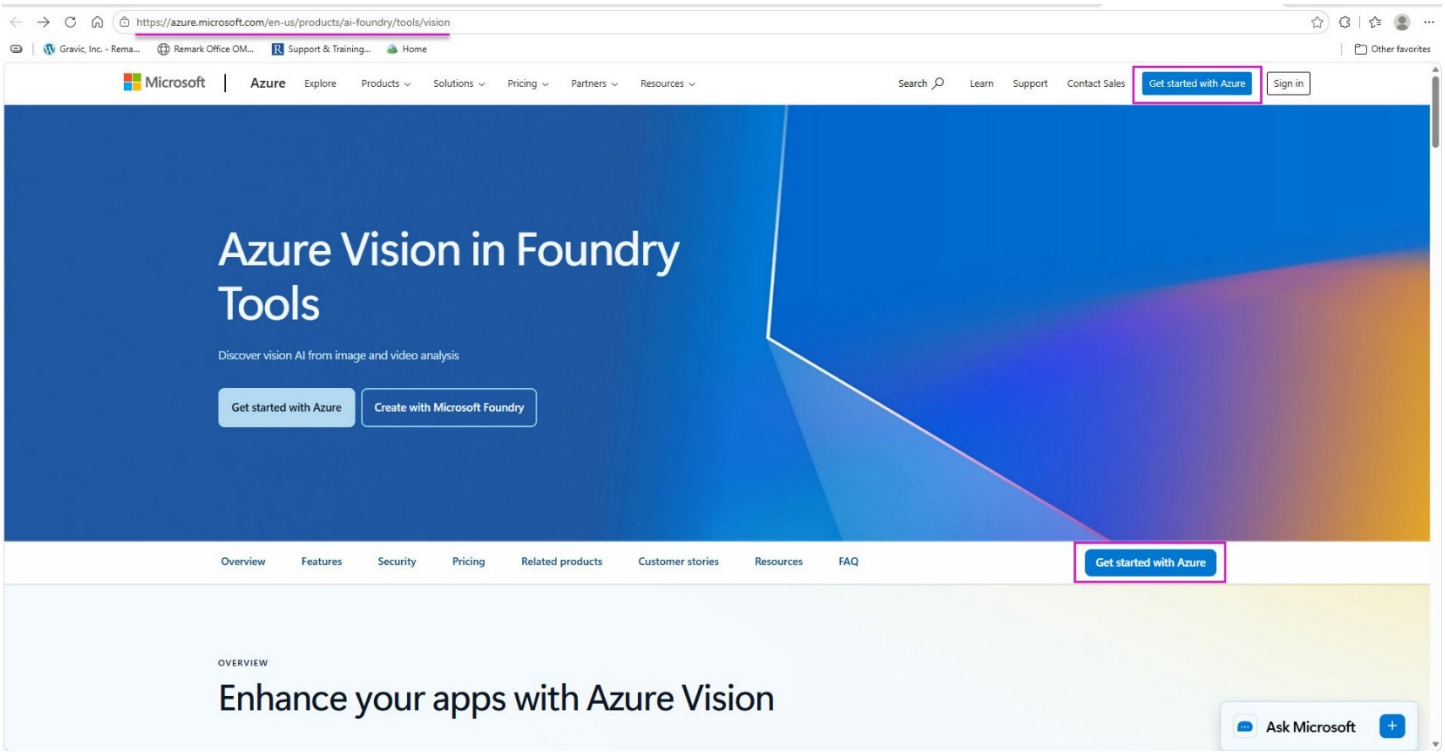
Step-by-Step Setup

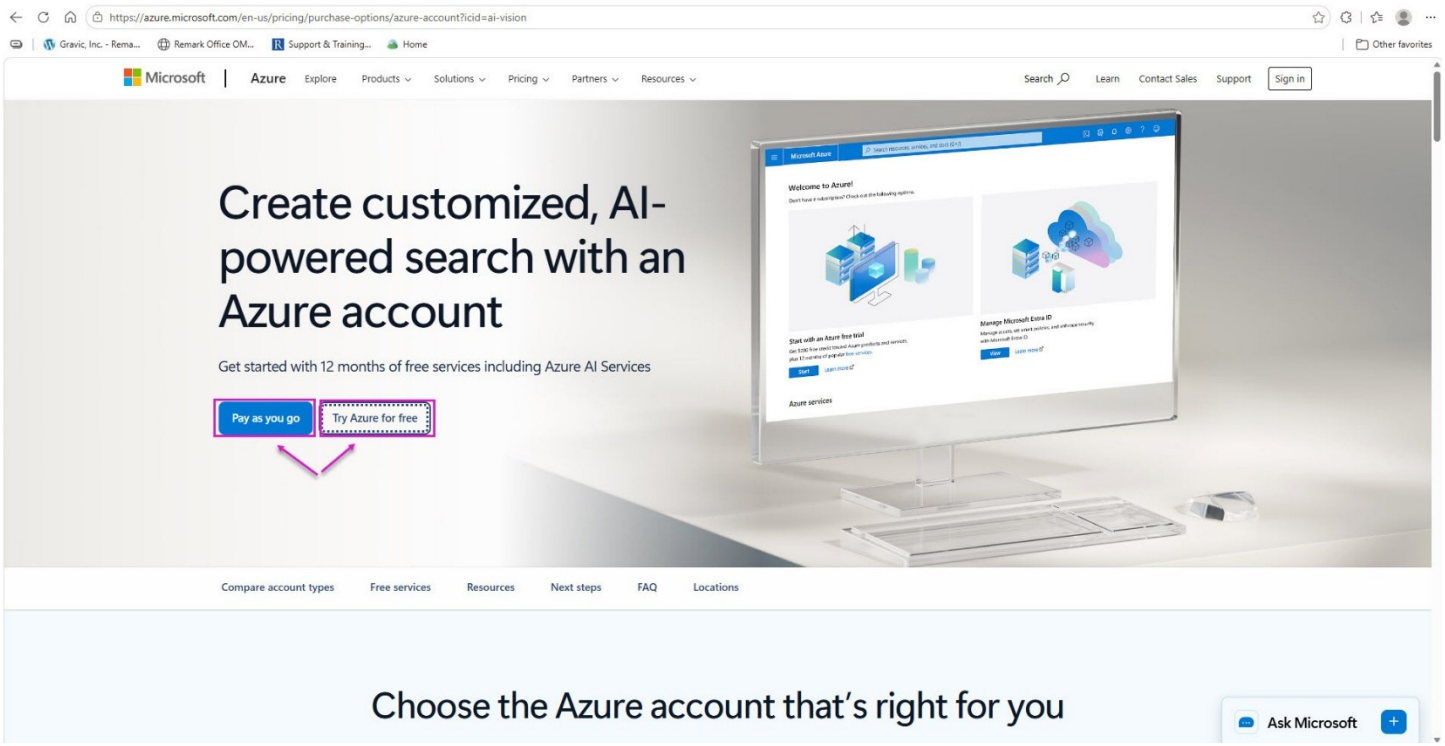
1. Create an Azure Account (if you don't have one)

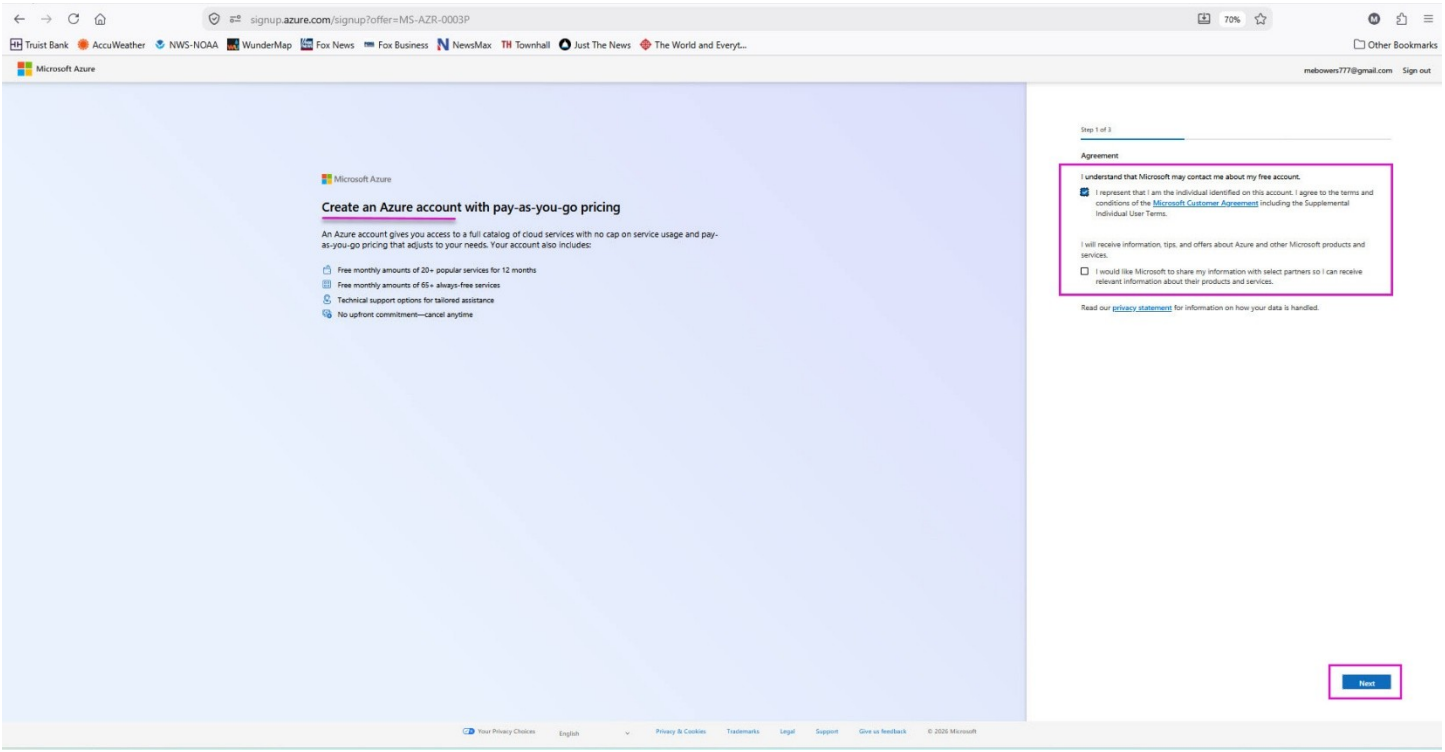
- Go to the Azure portal and click **Start free** to sign up with a Microsoft account.
- You can use the free tier for limited usage (30-day free trial).

https://azure.microsoft.com/en-us/products/ai-foundry/tools/vision

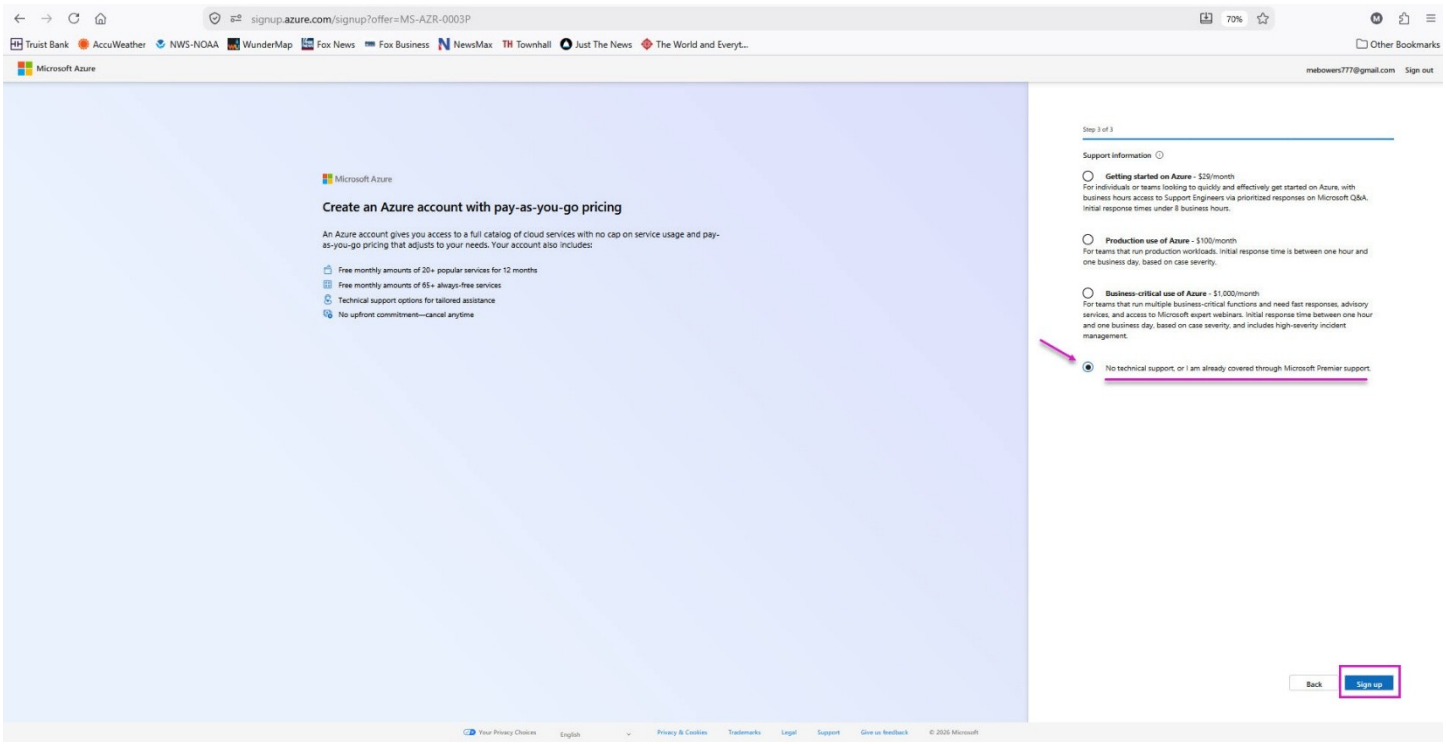
Note: You may need to create a Microsoft account if you do not already have one.



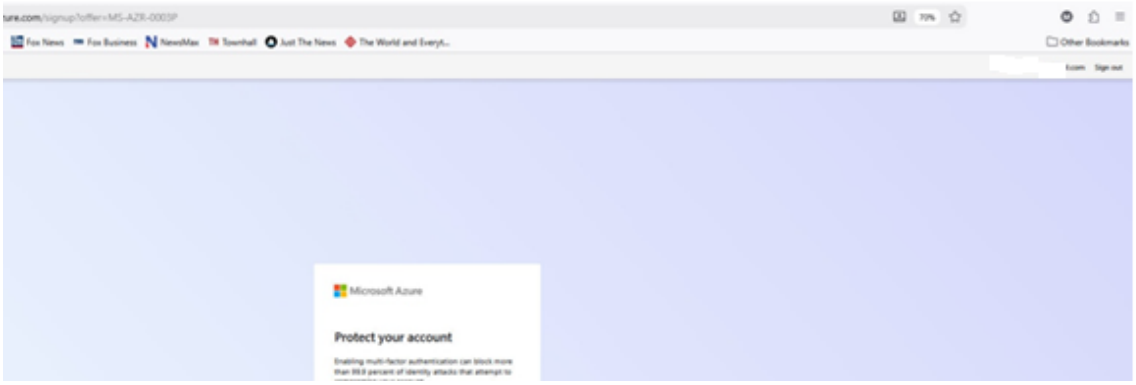




Note: You have the option to create a Free F0 (30-day trial) account or a Standard S1 (pay-as-you-go) account.



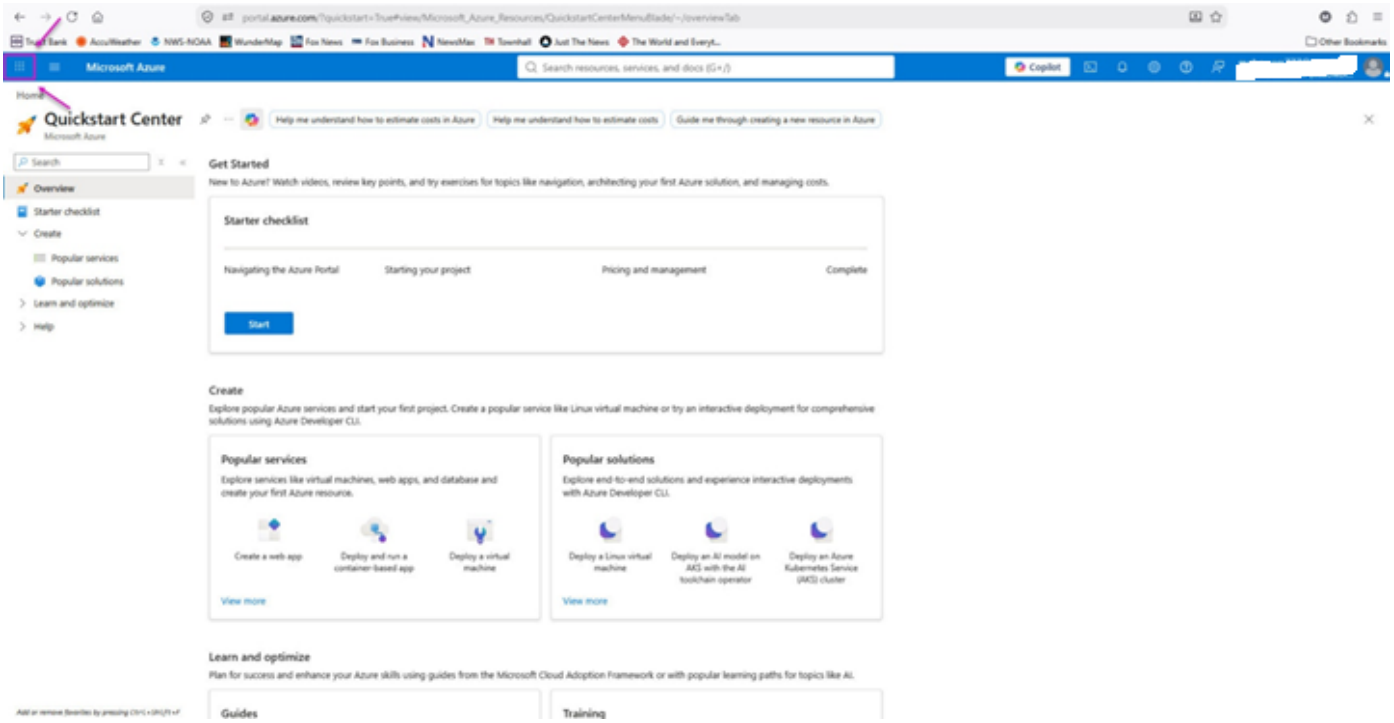
Note: You may need to set up Multi-factor Authentication (MFA) for your Microsoft account.



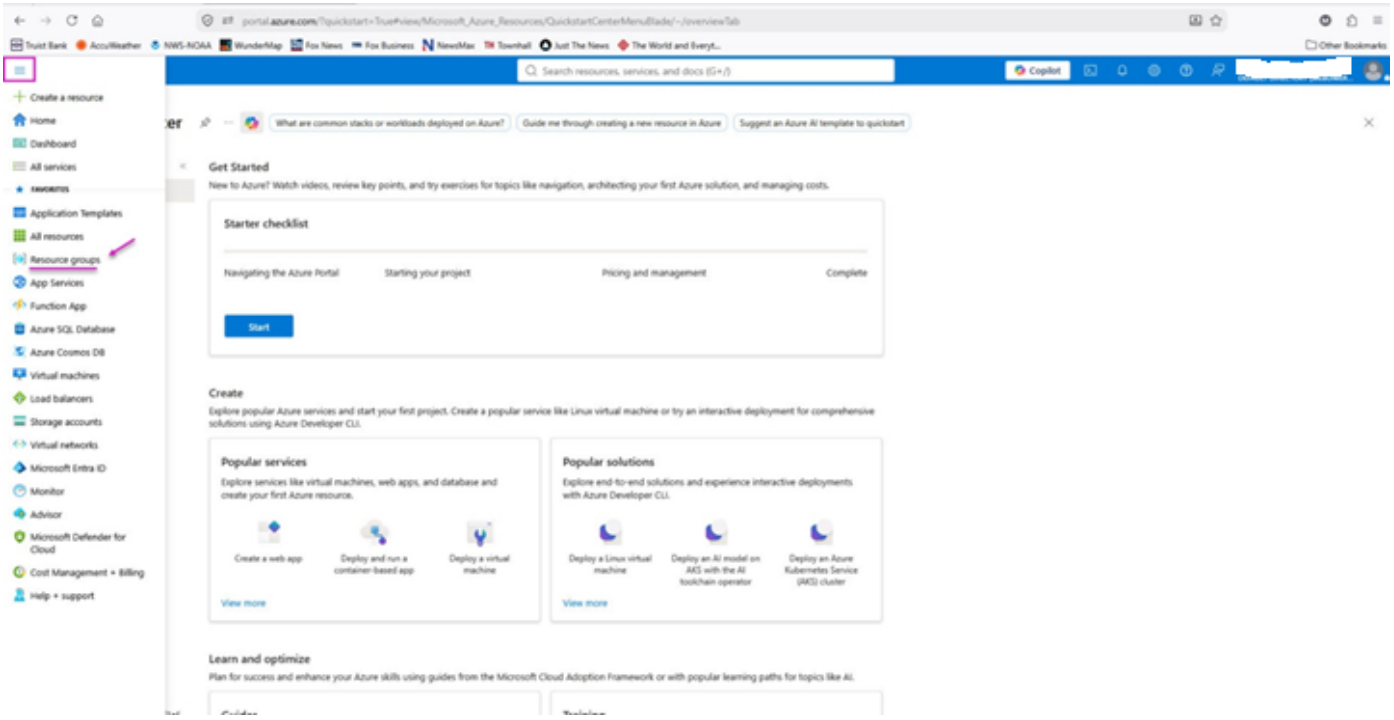
2. Create a Resource Group

- In the Azure portal, click **All services** → **Resource groups** → **Create**.
- Name it (e.g., MSCV) and choose a location (e.g., East US).

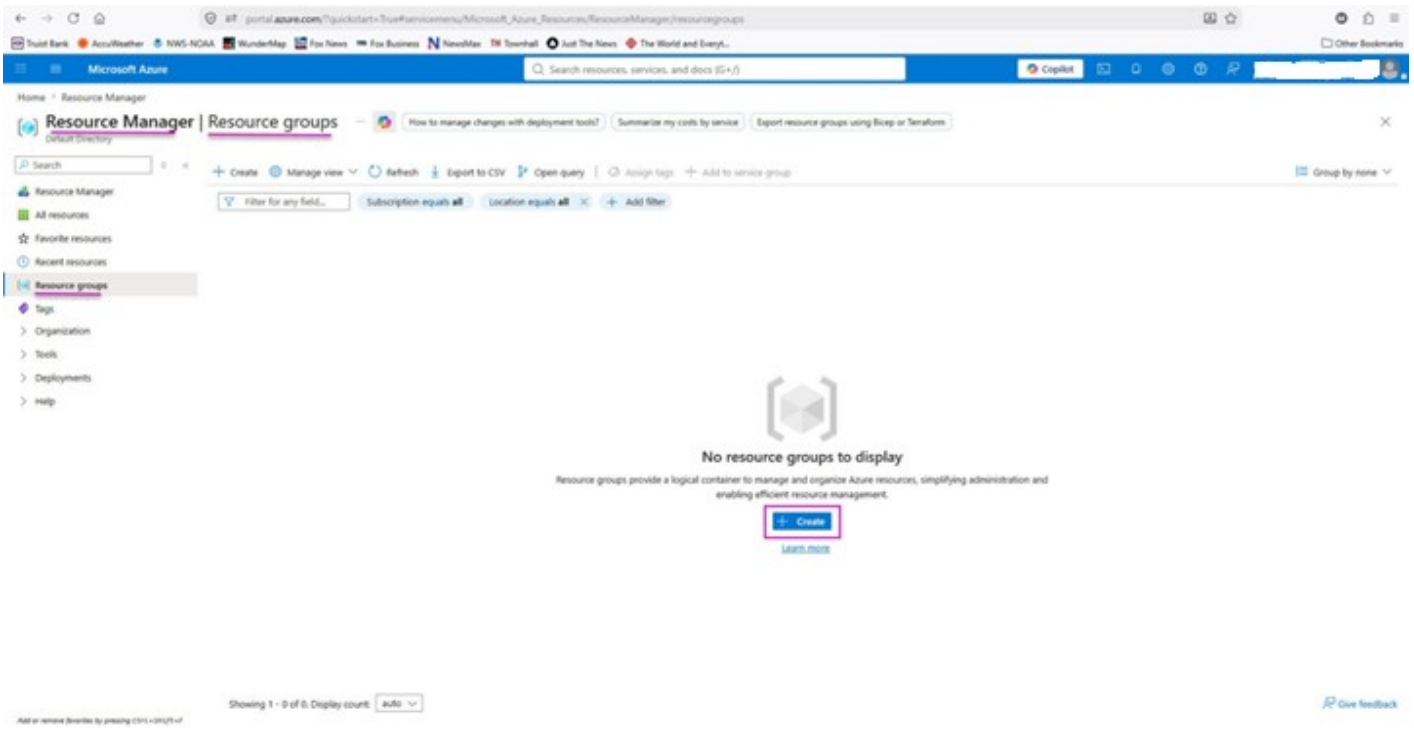
Note: Click in the menu icon on the upper left of the screen.

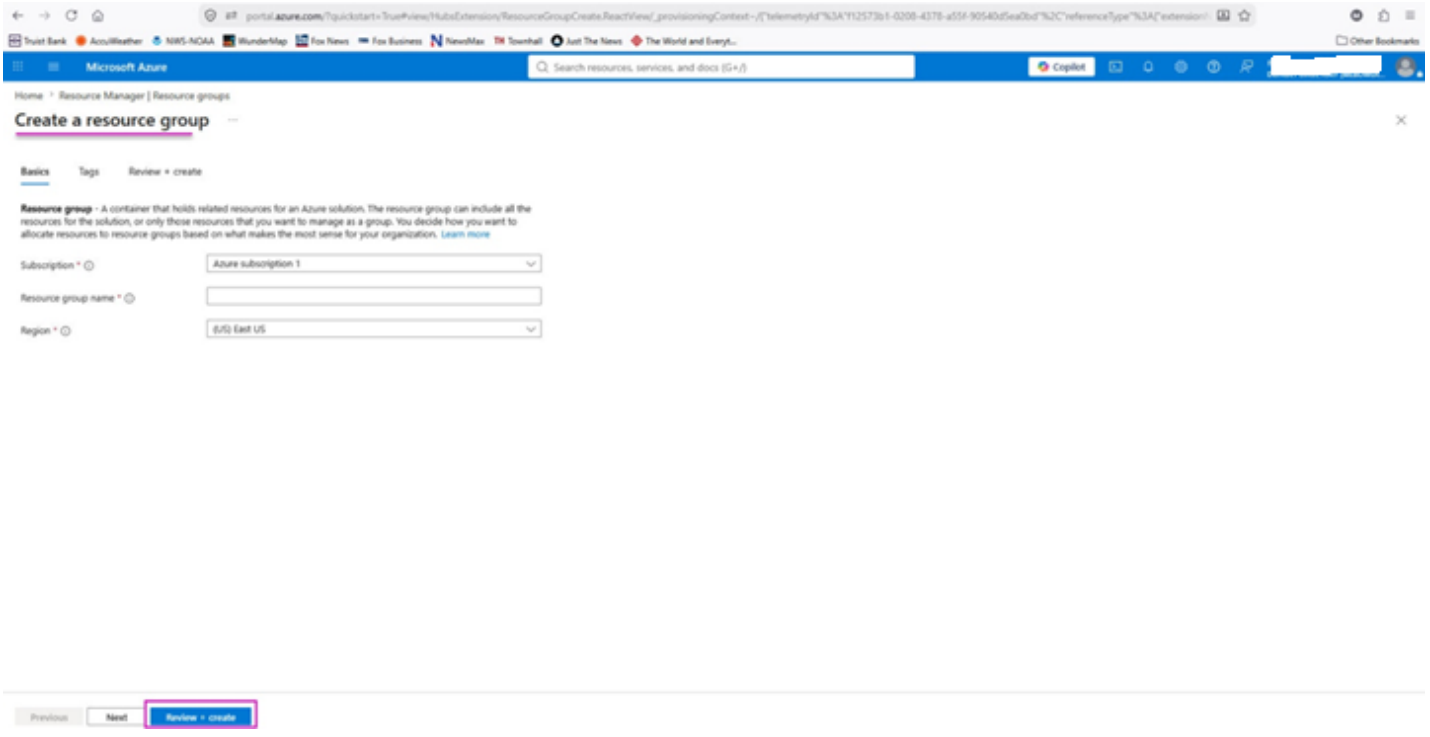


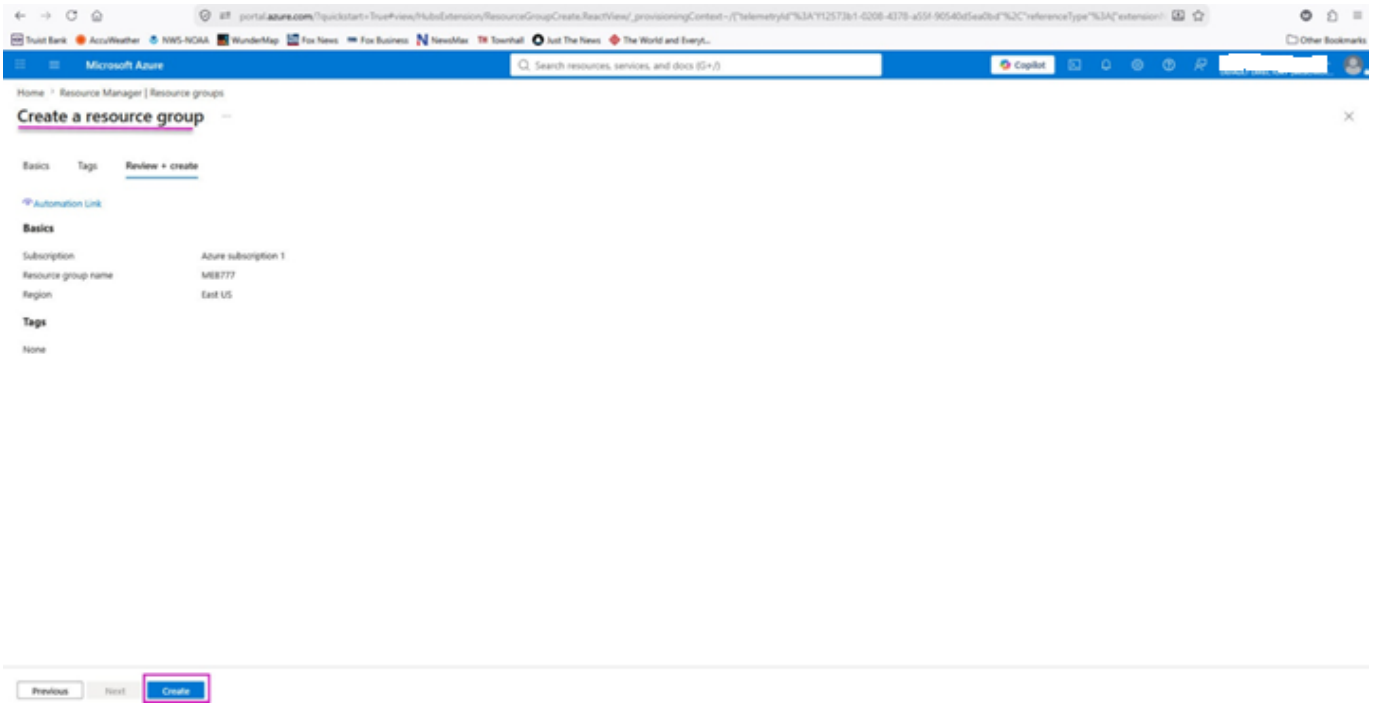
Note: Click on Resource groups.



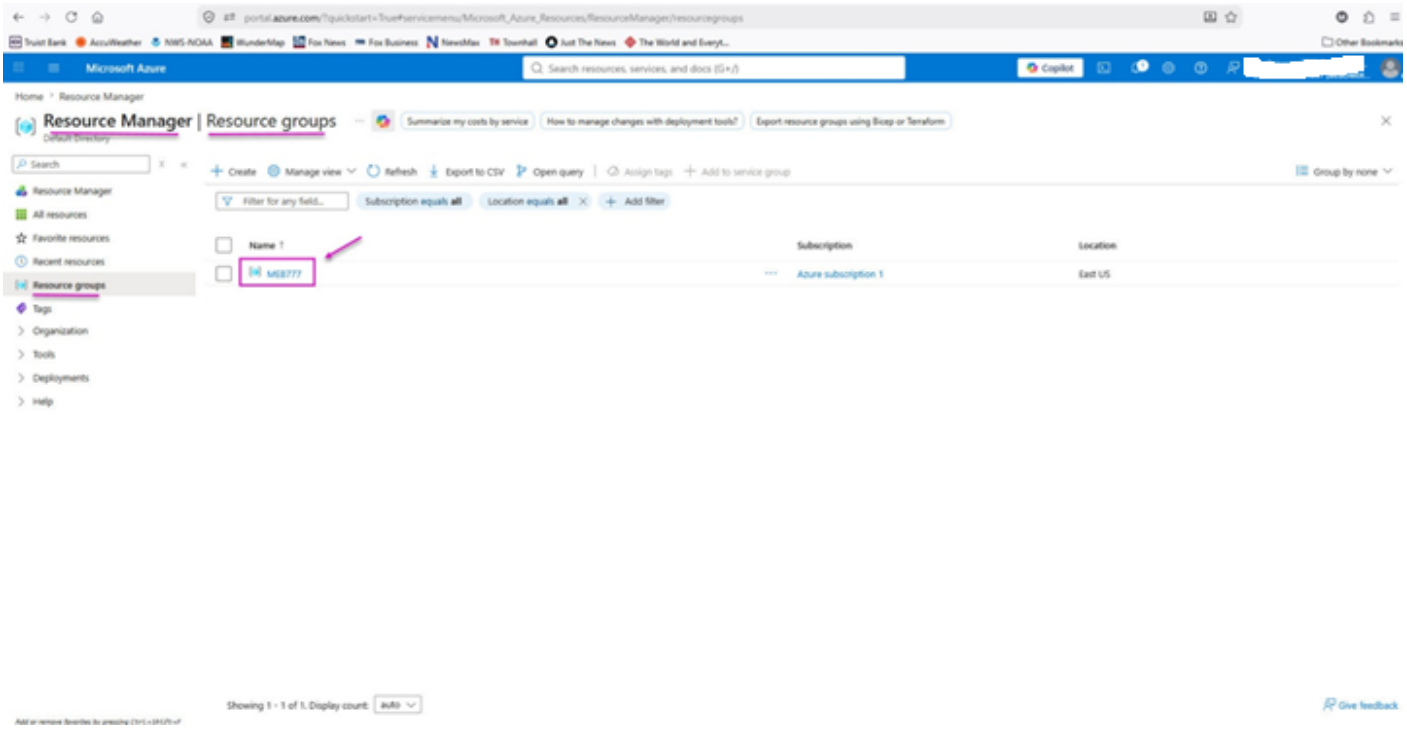
Note: Click in the + Create button.



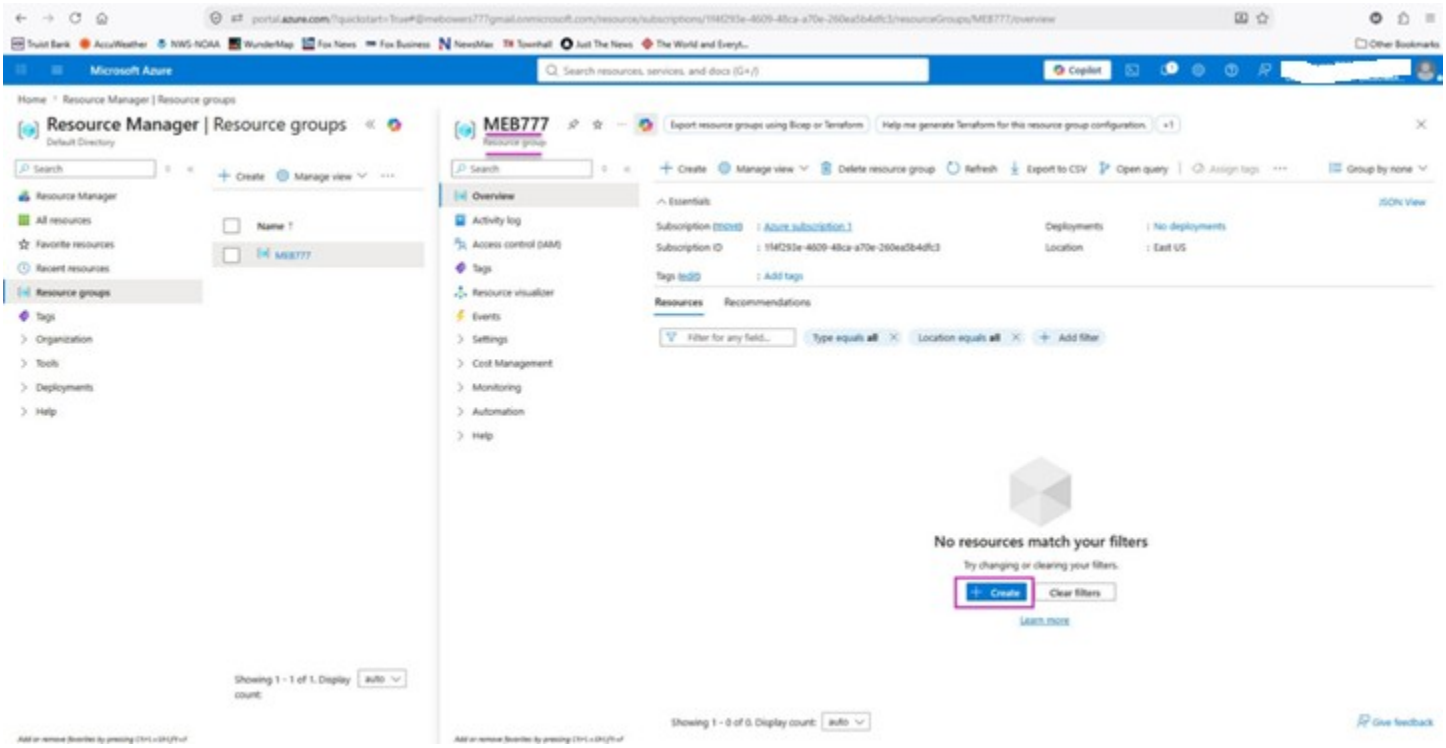




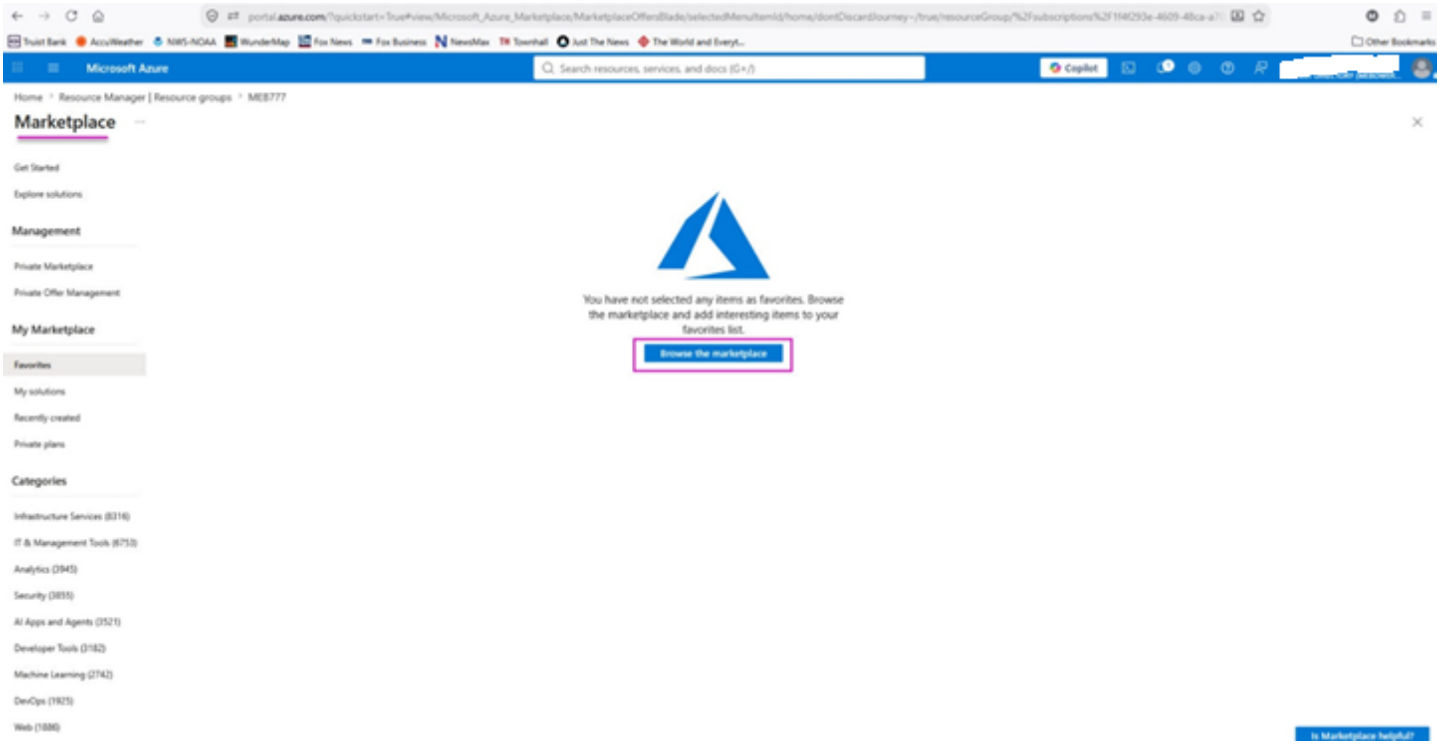
Note: Click on the new Resource Group name (in blue).



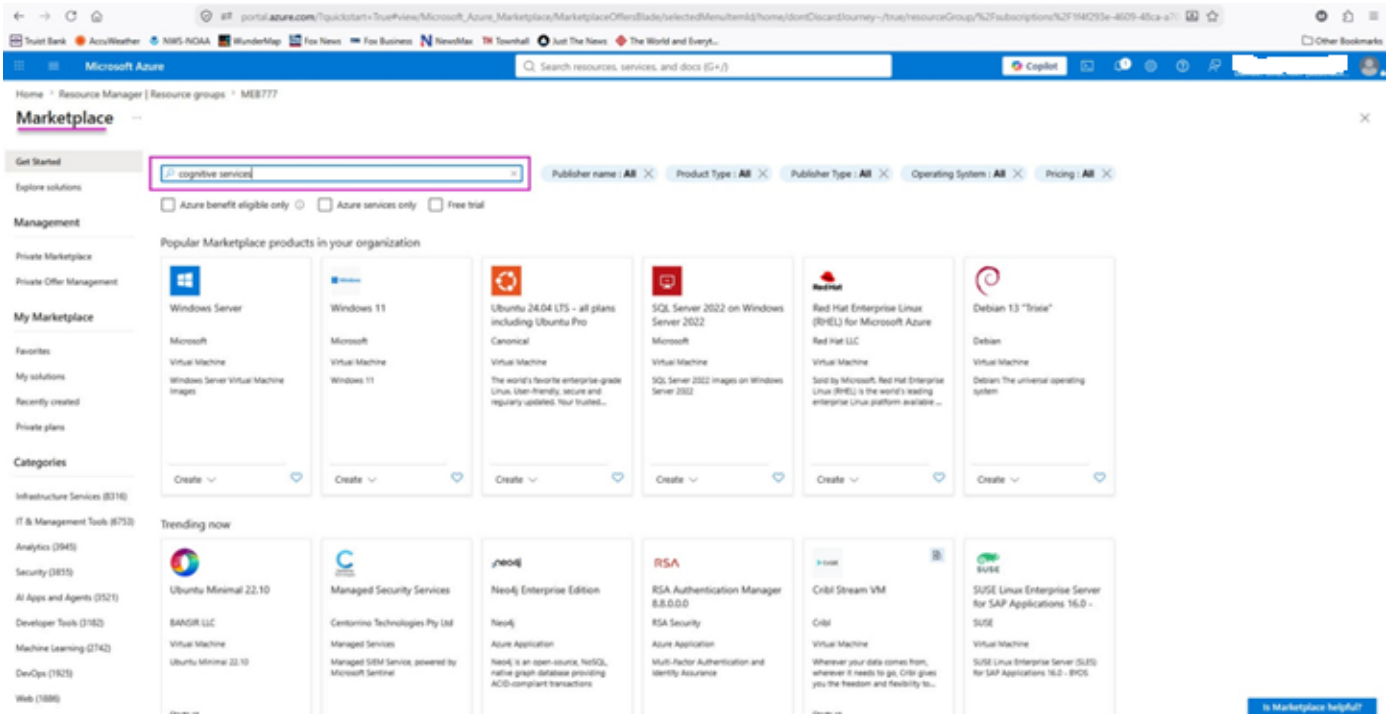
Note: Click on the + Create button to create a Resource.



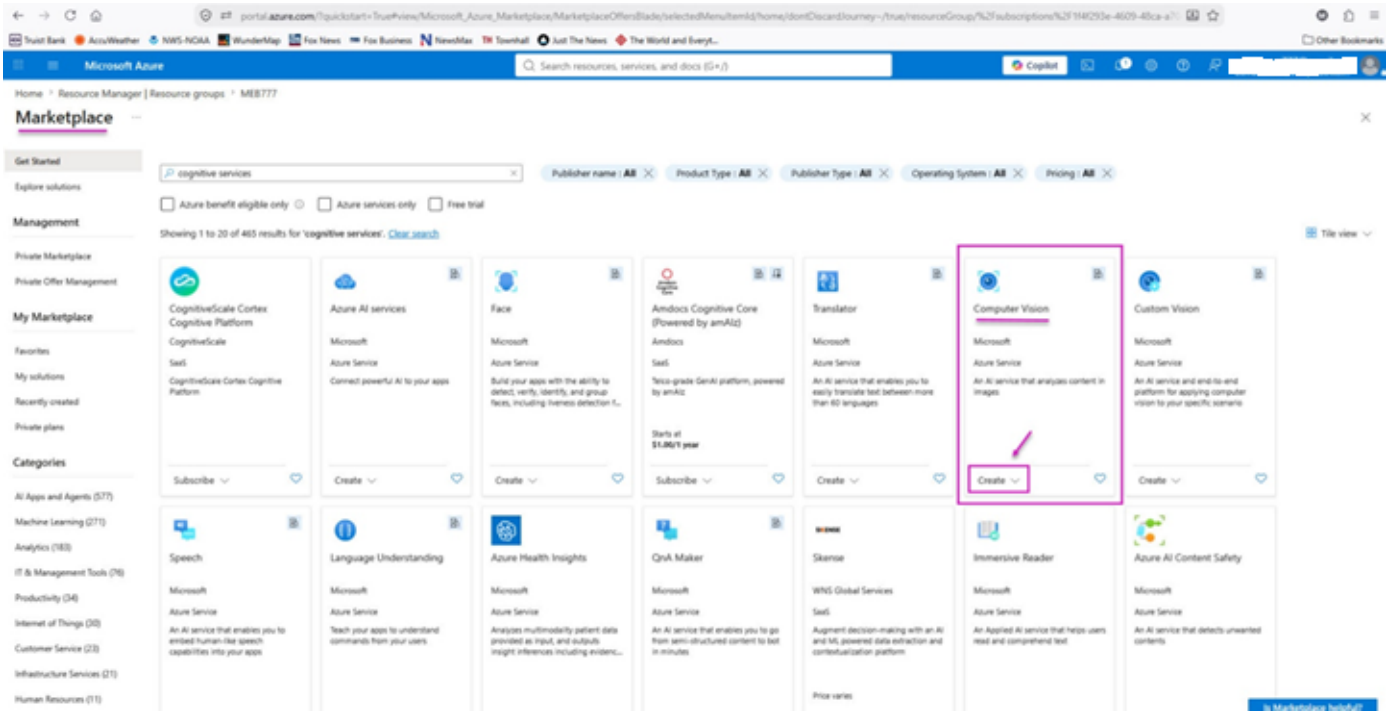
Note: Click on the Browse the Marketplace button.



Note: Type “Cognitive Services” in the search bar and hit Enter.



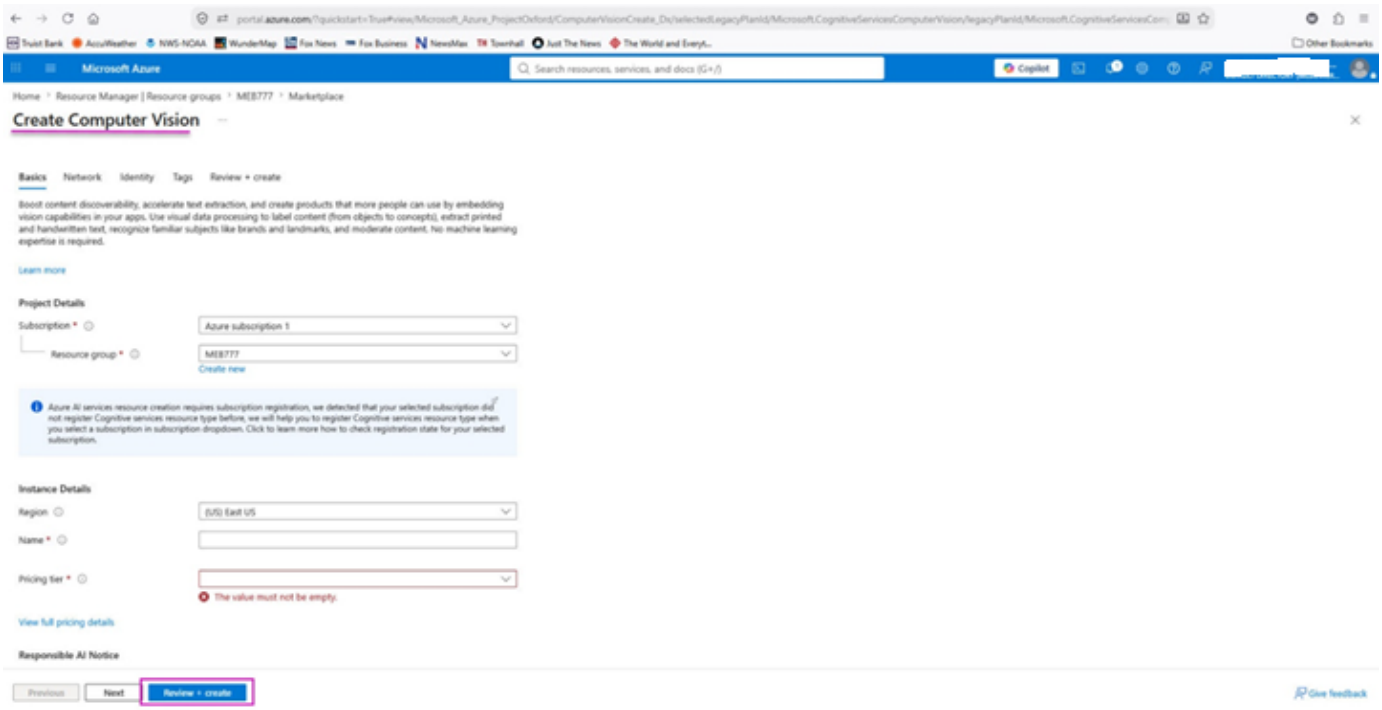
Note: Click on “Create” under “Computer Vision”.



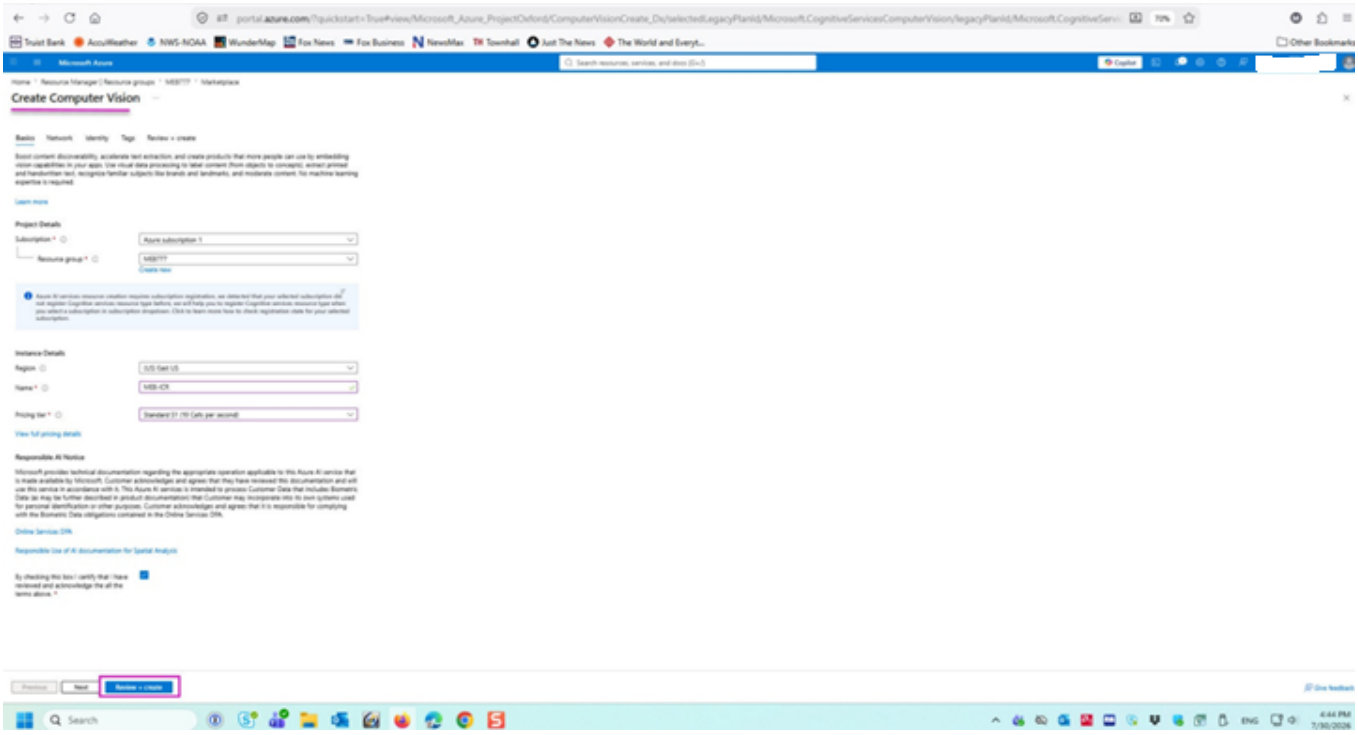
3. Create a Cognitive Services Account

- In the Azure portal, click **Create a resource**.
- Search for **Cognitive Services** and select it.
- Fill in the details:
    - **Subscription**: Your Azure subscription.
    - **Resource group**: The group you just created.
    - **Name**: Unique name for your account (e.g., MSCV2).
    - **Region**: Choose a supported region.
    - **Pricing tier**: Select **Free F0** for limited free usage (20 calls/minute, 5k calls/month).

Note: You can also choose to select Standard S1 for a Pay-As-You-Go subscription.

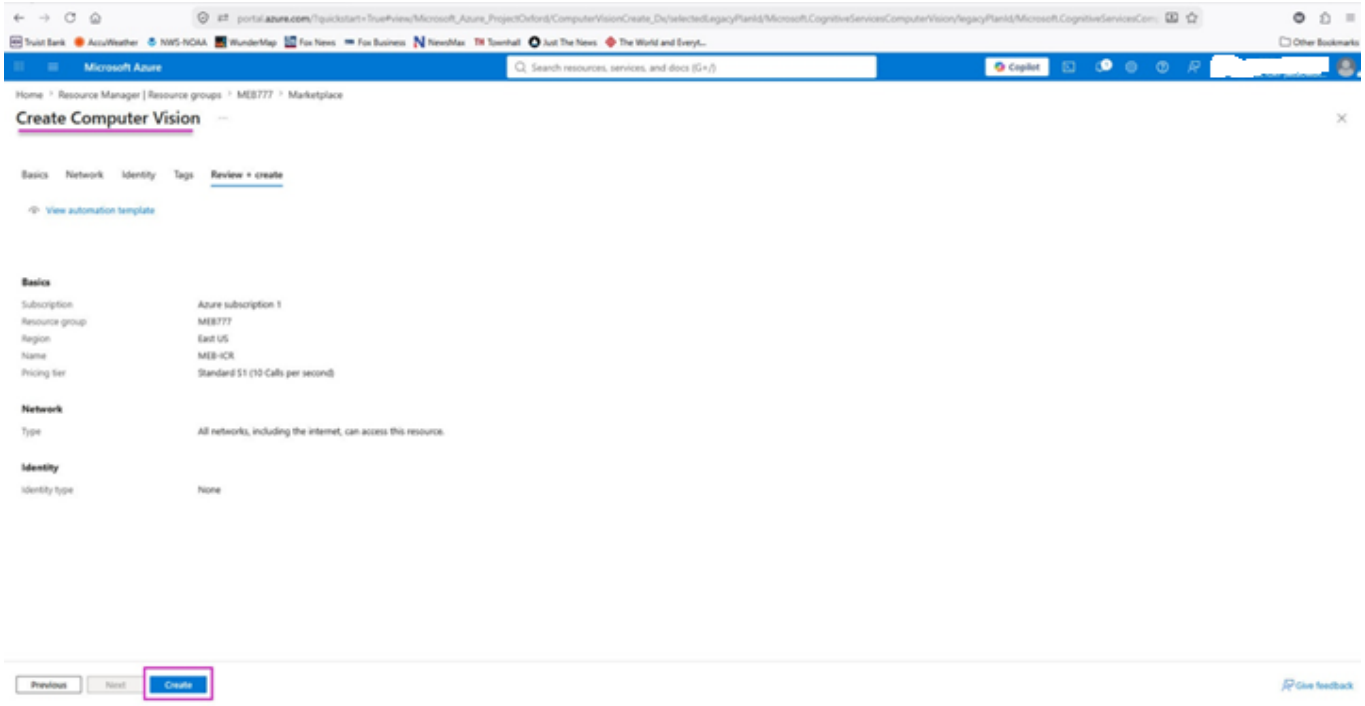


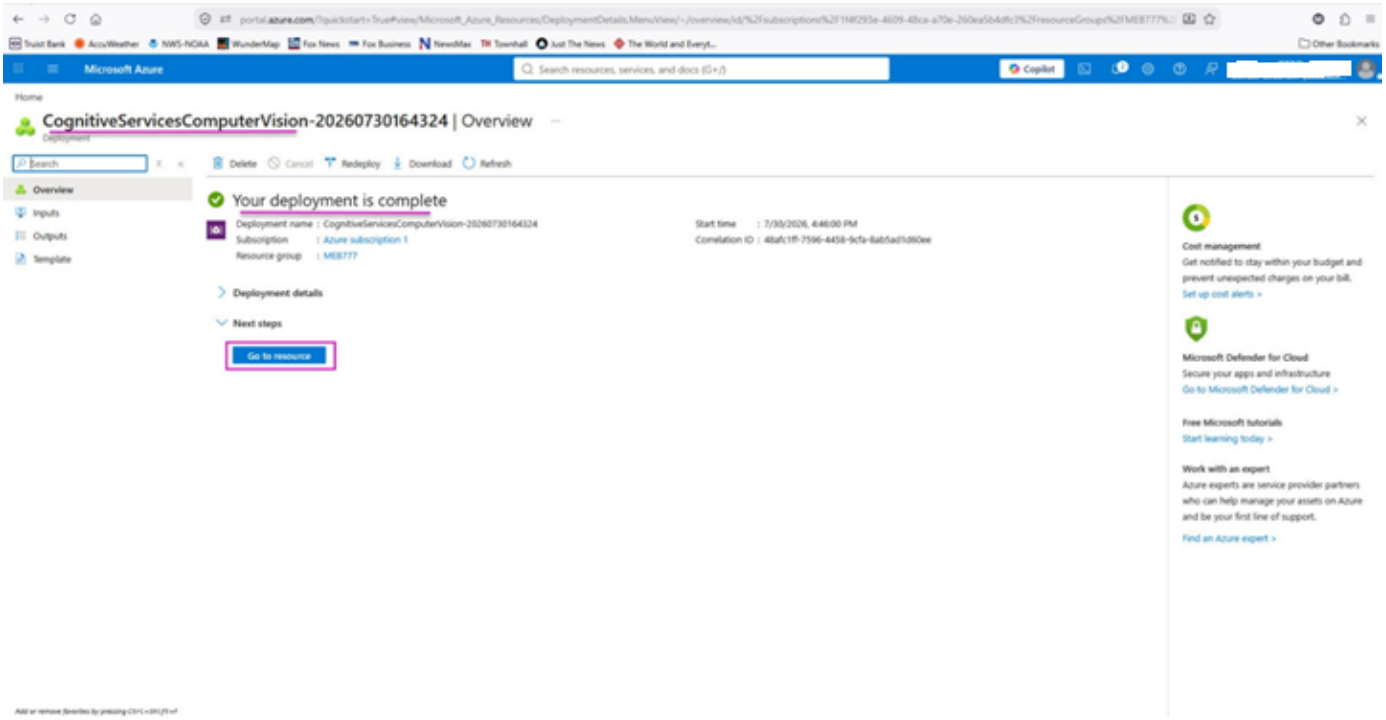
- Click **Review + create**, then **Create**.



4. Wait for Deployment

- The deployment will take a few seconds. Once complete, you'll see your new Cognitive Services account.

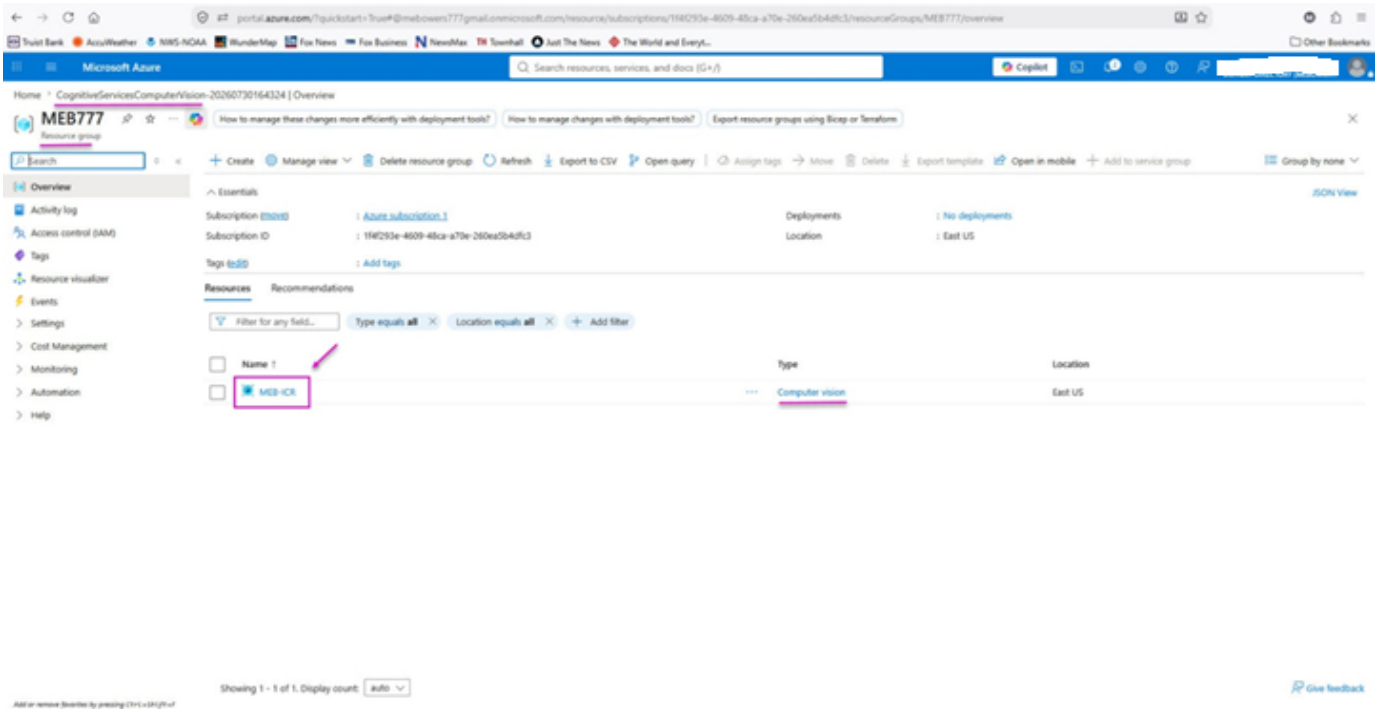


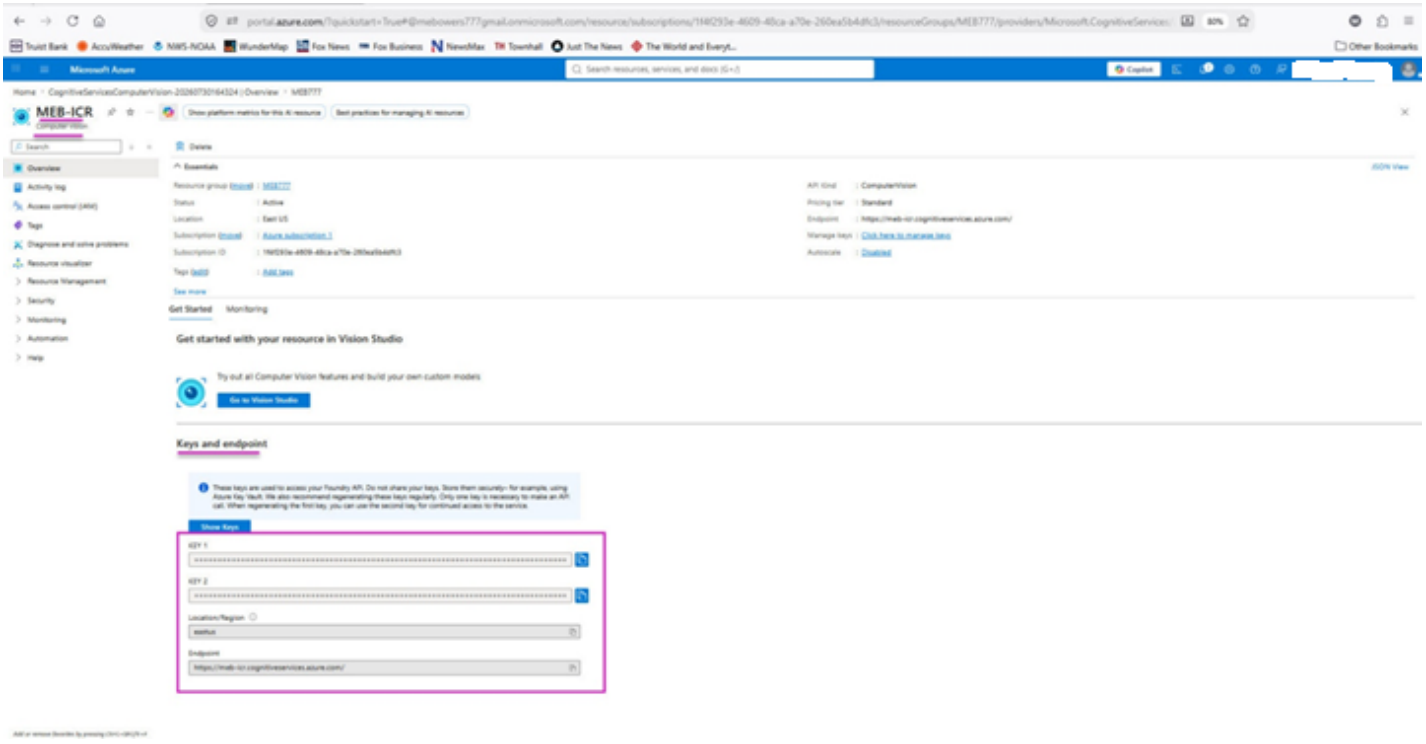


5. Get Your API Key and Endpoint

- Go to your Cognitive Services account in the portal.
- In the **Overview** tab, note the **Endpoint URL**.
- In the **Keys and Endpoint** tab, copy **Key1** (or Key2 if you have two) gdservices.io.

Note: Click in the new Resource name you created (in blue).





6. Use the Computer Vision API

- You can now make API calls to analyze images, extract text, detect faces, etc., using your endpoint and key.
- Example (Python):

```
import requests
endpoint = "YOUR_ENDPOINT_URL/vision/v3.1/analyze"
api_key = "YOUR_API_KEY"
image_url = "YOUR_IMAGE_URL"
headers = {"Ocp-Apim-Subscription-Key": api_key}
params = {"visualFeatures": "Categories,Tags,Description,Color"}
data = {"url": image_url}
response = requests.post(endpoint, headers=headers, params=params, json=data)
print(response.json())
```

Replace placeholders with your values from the portal gdservices.io.

Tips

- For production, consider a paid tier for higher usage limits.
- You can also create a **Computer Vision resource** directly instead of a full Cognitive Services account if you only need Computer Vision Medium.
- Use Azure CLI or Terraform to automate creation if you prefer scripting Microsoft Learn.

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