

Image Recognition with IBM Cloud Visual Recognition

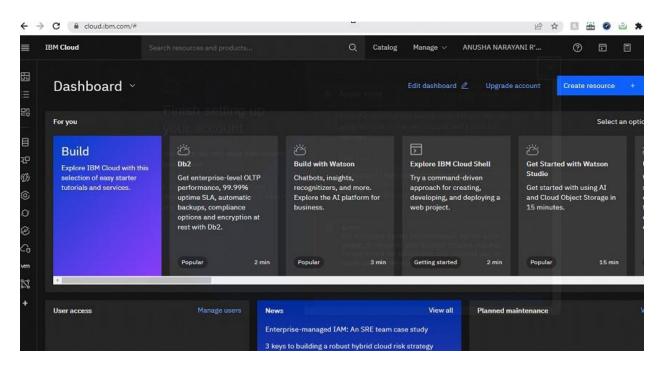
Phase 4: Development Part 2

In this part you will continue building your project.

- Continue building the image recognition system by integrating IBM Cloud
 Visual Recognition and AI-generated captions.
- Implement the image classification process using the IBM Cloud Visual Recognition API.
- Use natural language generation to create captions for the recognized images.

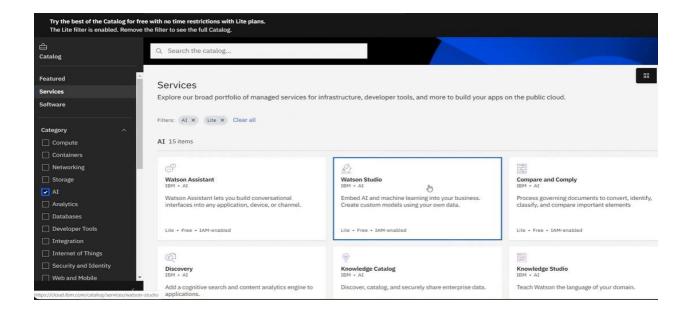
Step 1: Sign Up/Login to IBM Cloud

- Go to the [IBM Cloud website] (https://cloud.ibm.com/).
- Sign up for a new account or log in if you already have one.

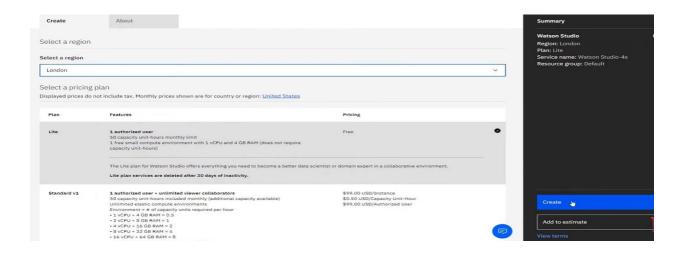


Step 2: Create a Visual Recognition Service

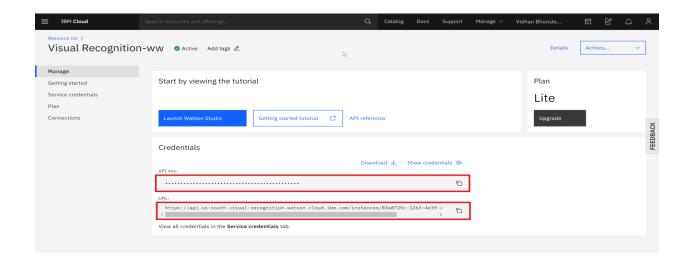
- After logging in, click on "Create Resource" at the top right.
- Search for "Visual Recognition" in the catalog.
- Select the Visual Recognition service.

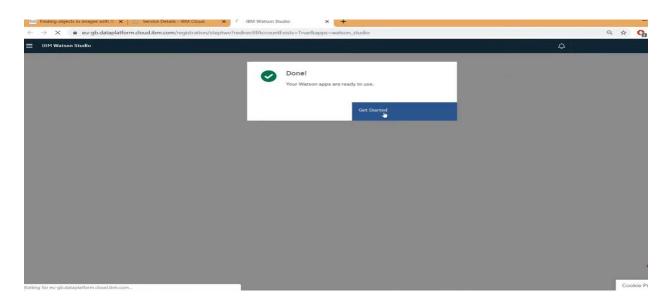


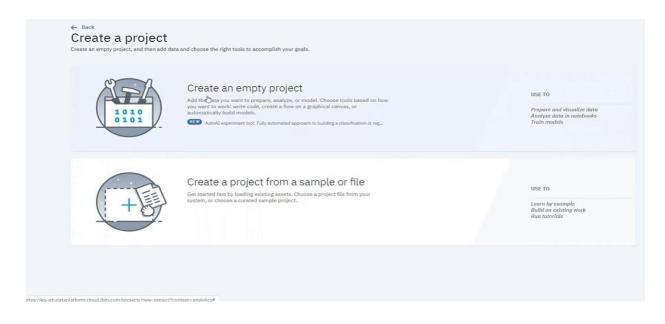
- Choose the pricing plan that suits your needs.
- Click "Create" to create the service instance.



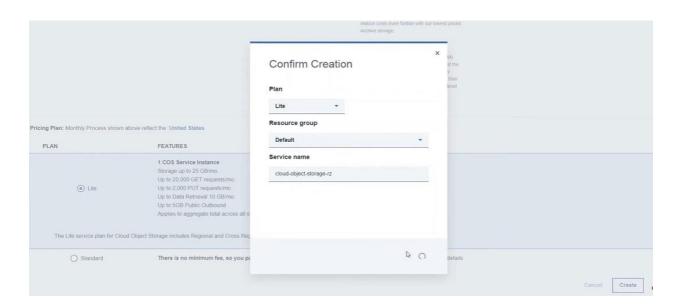
 Follow the setup instructions provided in the service dashboard to obtain your API keys and credentials.



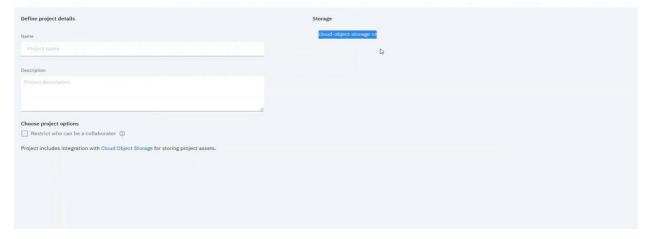




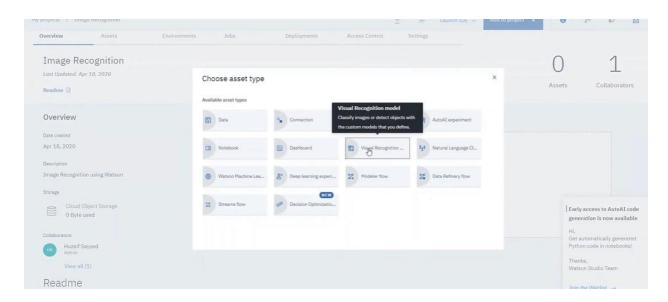




New project





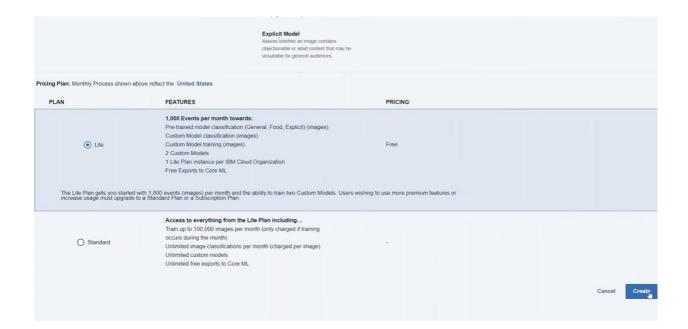


Step 3: Gather and Organize Your Images

- Collect a set of images for each class/category you want to recognize.
- Ensure that the images are clear, relevant, and well-labeled.
- Organize these images into folders, each folder representing a specific category.

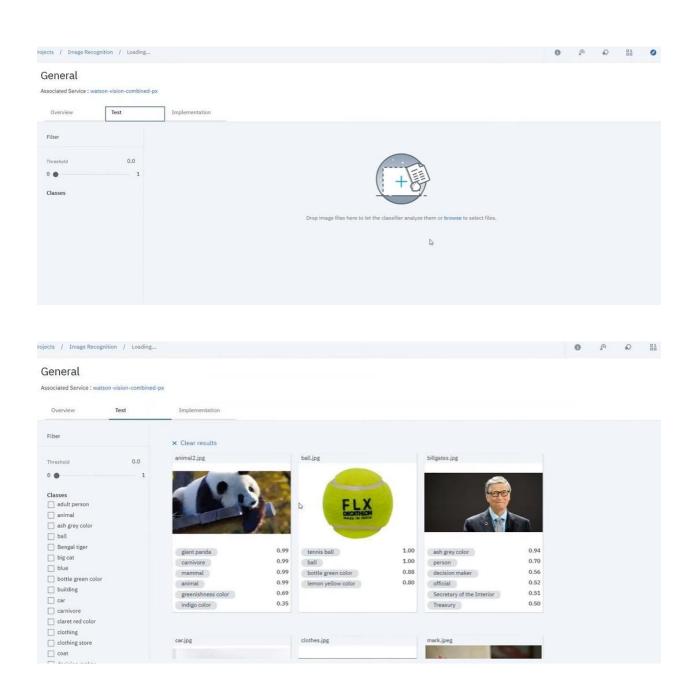
Step 4: Train Your Custom Classifier

- Access your Visual Recognition service instance from the IBM Cloud dashboard.
- Click on "Launch Tool" to open the Visual Recognition tool.
- In the tool, click on "Create a Project."
- Add a name for your project and click "Create."
- Inside your project, click on "Add a Collection."
- Upload images from your folders to the respective collections/categories.
- Once images are uploaded, click on "Train" to train your custom classifier.

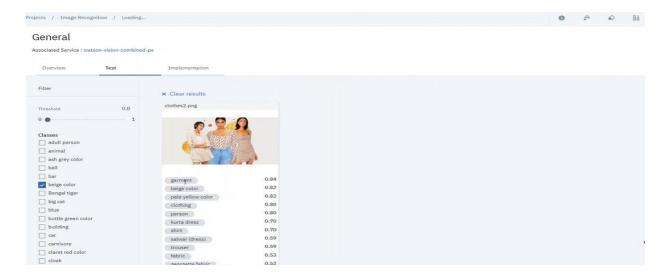


Step 5: Test Your Custom Classifier

- After training is completed, you can test your classifier by uploading new images.
- The Visual Recognition service will classify these new images into the categories you defined.



Select the filter 'beige color' to display the images with beige color in it



Select the filter 'ash gray color' and 'big cat' to display the relevant images

