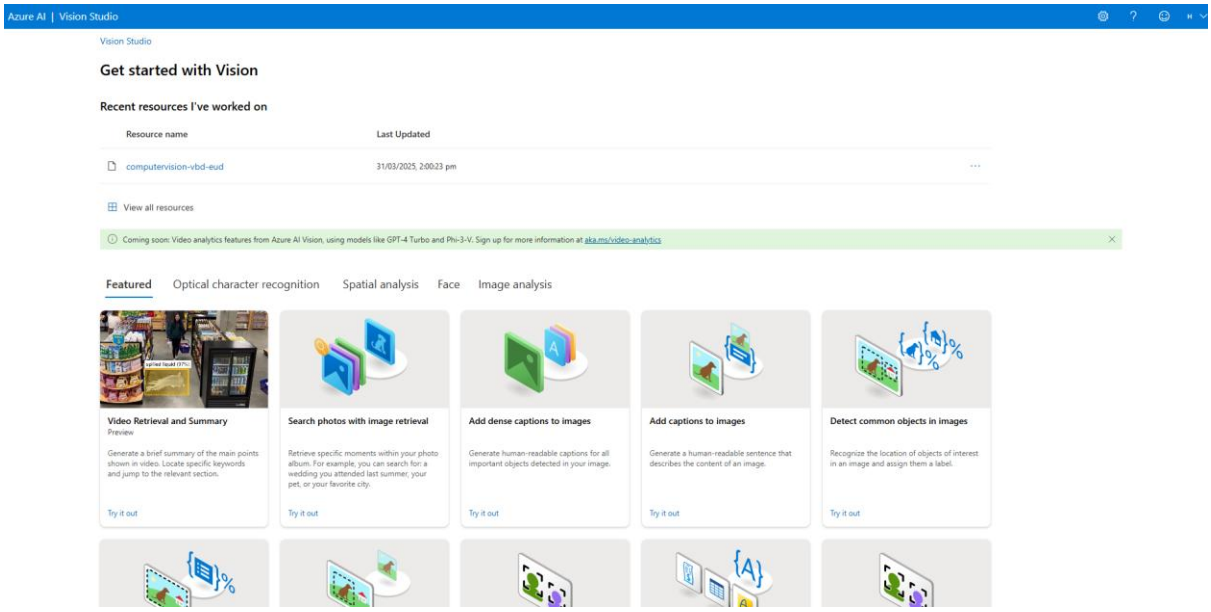
Azure AI Vision Demos

Prerequisites

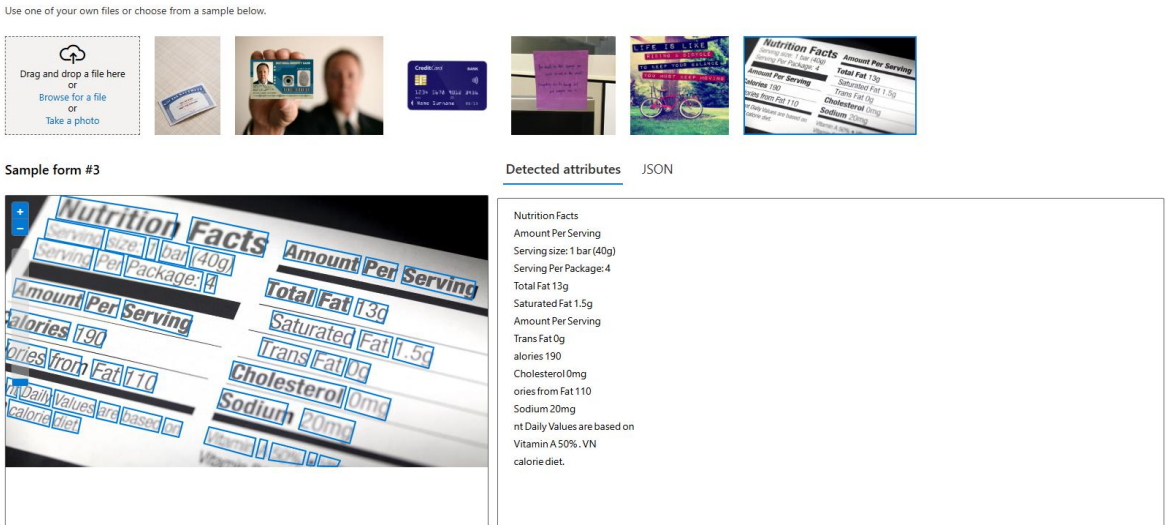
- Create a computer vision resource on your Azure portal (Create Computer Vision - Microsoft Azure)
- Make sure the resource is available in the Azure region you are creating the resource.

Demo #1 – Optical Character Recognition (OCR)

01. Access the Azure AI Vision Studio (https://portal.vision.cognitive.azure.com/)
    a. Make sure you have selected the correct tenancy that you created the Azure resource from the right corner of the portal.

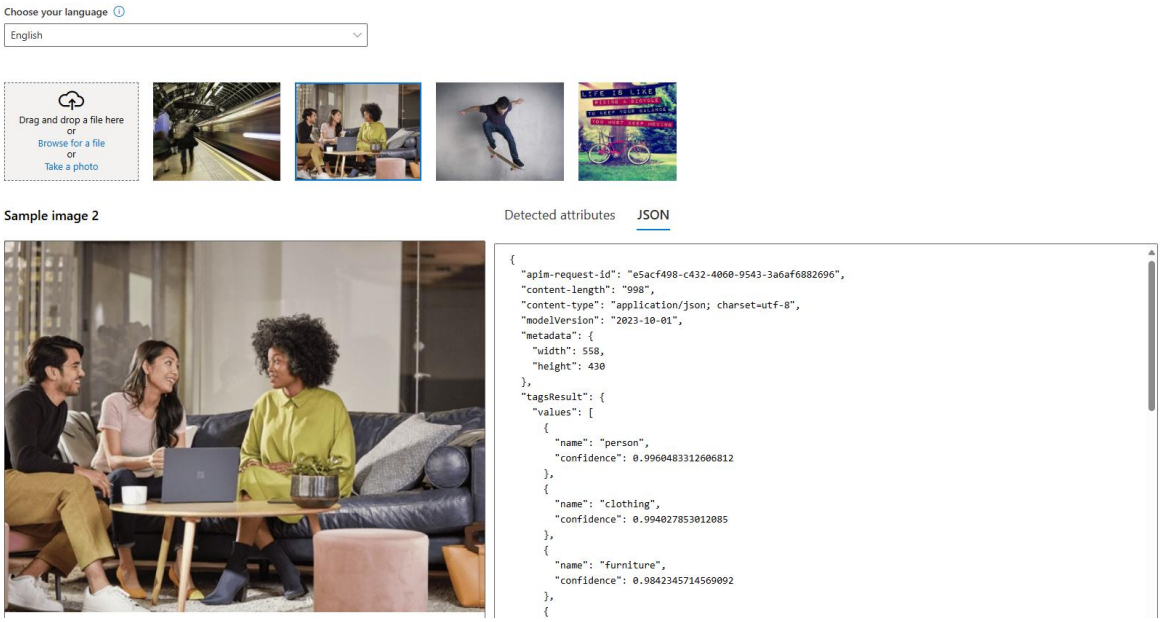


02. Click the Optical character recognition pane
03. Click “Extract text for images”
04. Select the correct subscription and the resource.
05. Select an image and get the detailed attributes from the image. In addition, you can upload an image of your choice and proceed.
06. Explain the usage of JSON output of the API.



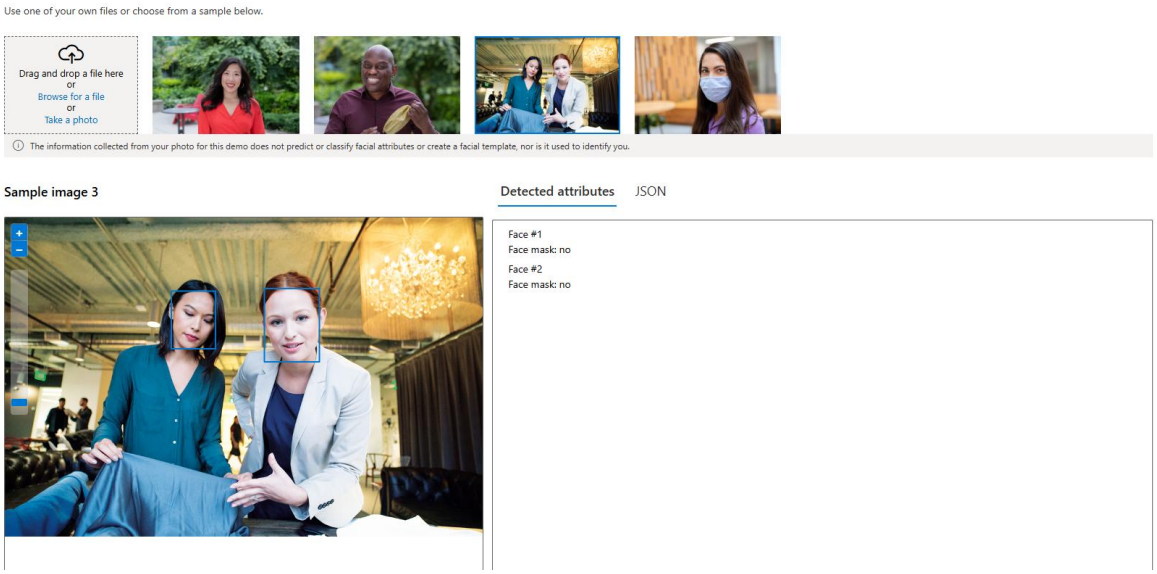
Demo #2 – Image Analysis

01. Click the Image Analysis pane
02. Go through the following features one by one and demonstrate how the output is getting generated.
    a. Add dense captions to images
    b. Add captions to images
    c. Detect common objects in images
    d. Extract common tags from images
    e. Create smart-cropped images



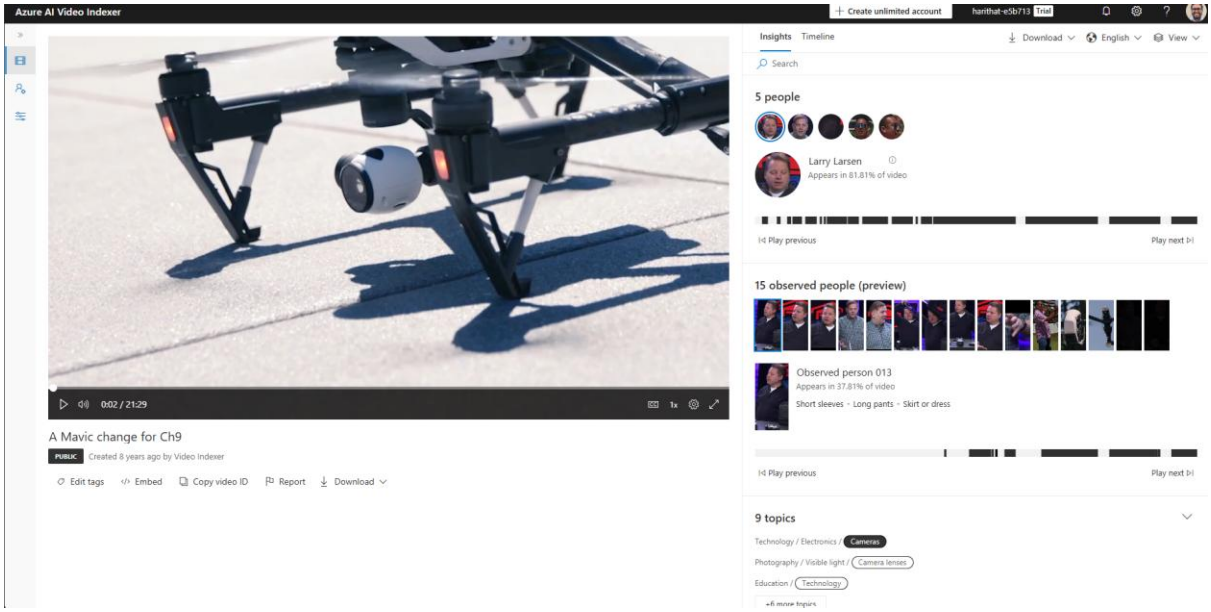
Demo #3 – Face

01. Make sure your subscription has been approved to use Face API. Gain the access by filling out this form (Azure AI Face API Recognition Limited Access Review).
02. Create a Face API resource from the Azure portal
03. Click the Face pane
04. Go through the following features one by one and demonstrate how the output is getting generated.
    a. Detect faces in an image
    b. Liveness detection (Need the setup mentioned in the documentation to perform this action Face liveness detection - Face - Azure AI services | Microsoft Learn)
    c. Portrait processing
    d. Photo ID matching
05. Make sure to explain the importance of bounding boxes around the faces in real-world applications.



Demo #4 – Azure AI Video Indexer

01. Access the web portal: https://www.videoindexer.ai/
02. Walk through the sample videos uploaded on the video
03. Run a video and show the different insights generated by the video indexer.


Azure AI Video Indexer
Create unlimited account
harithat-e5b713 Trial
Insights
Timeline
Download
English
View
Search
5 people
Larry Larsen
Appears in 81.81% of video
Play previous
Play next
15 observed people (preview)
Observed person 013
Appears in 37.81% of video
Short sleeves · Long pants · Skirt or dress
Play previous
Play next
9 topics
Technology / Electronics / Cameras
Photography / Visible light / Camera lenses
Education / Technology
0:02 / 21:29
1x
A Mavic change for Ch9
PUBLIC
Created 8 years ago by Video Indexer
Edit tags
Embed
Copy video ID
Report
Download