

# Of Cats and Dogs

Classifying Images with Custom Vision Service

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# The Plan

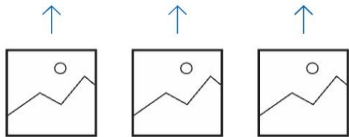
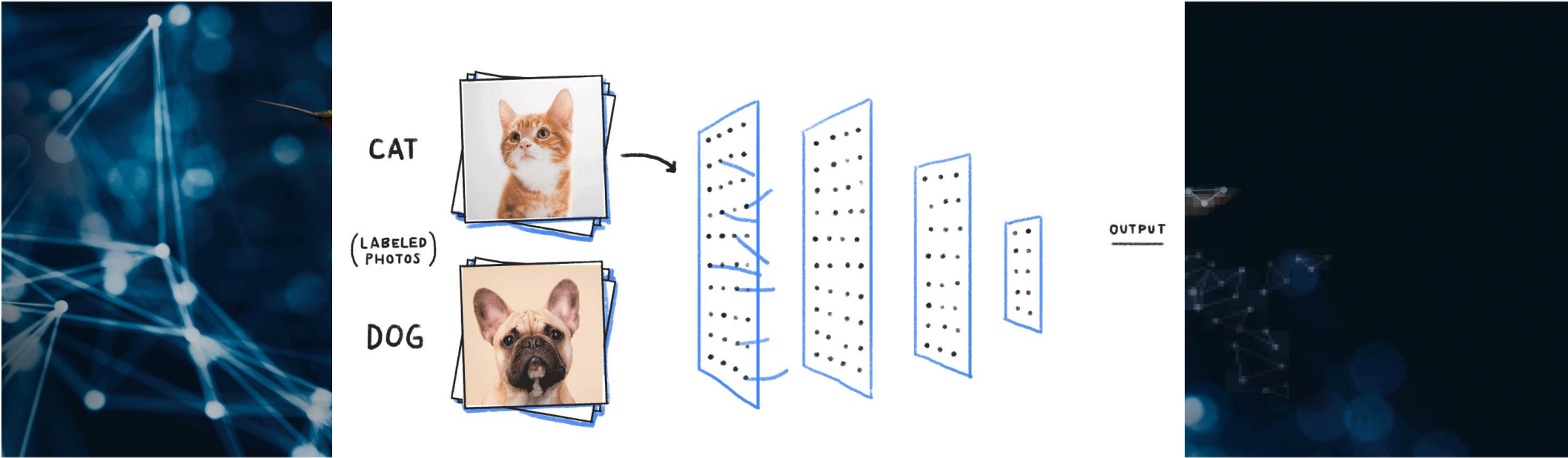


- Background and Overview
- Online Demos
- Offline Demos (exports)



# customvision.ai

Microsoft | Cognitive Services | Custom Vision



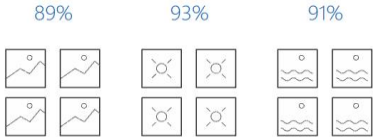
## Upload Images

Bring your own labeled images, or use Custom Vision to quickly add tags to any unlabeled images.



## Train

Use your labeled images to teach Custom Vision the concepts you care about.



## Evaluate

Use simple REST API calls to quickly tag images with your new custom computer vision model.

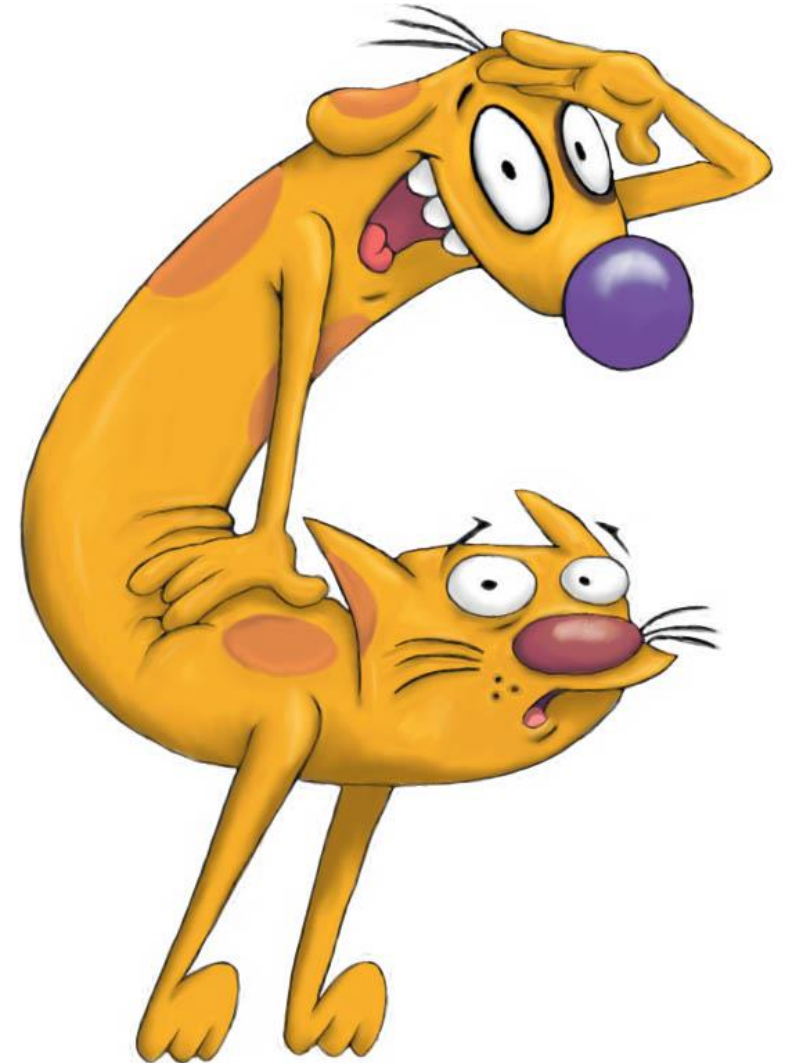
# Online Demos

## Demo 1

### Training and Prediction Using Web Interface/REST

Build a classifier (10 min)

- A) Create Custom Vision project
- B) Add Images
- C) Train the classifier
- D) Test the classifier





# Online Demos

## Demo 2

### Training and Prediction

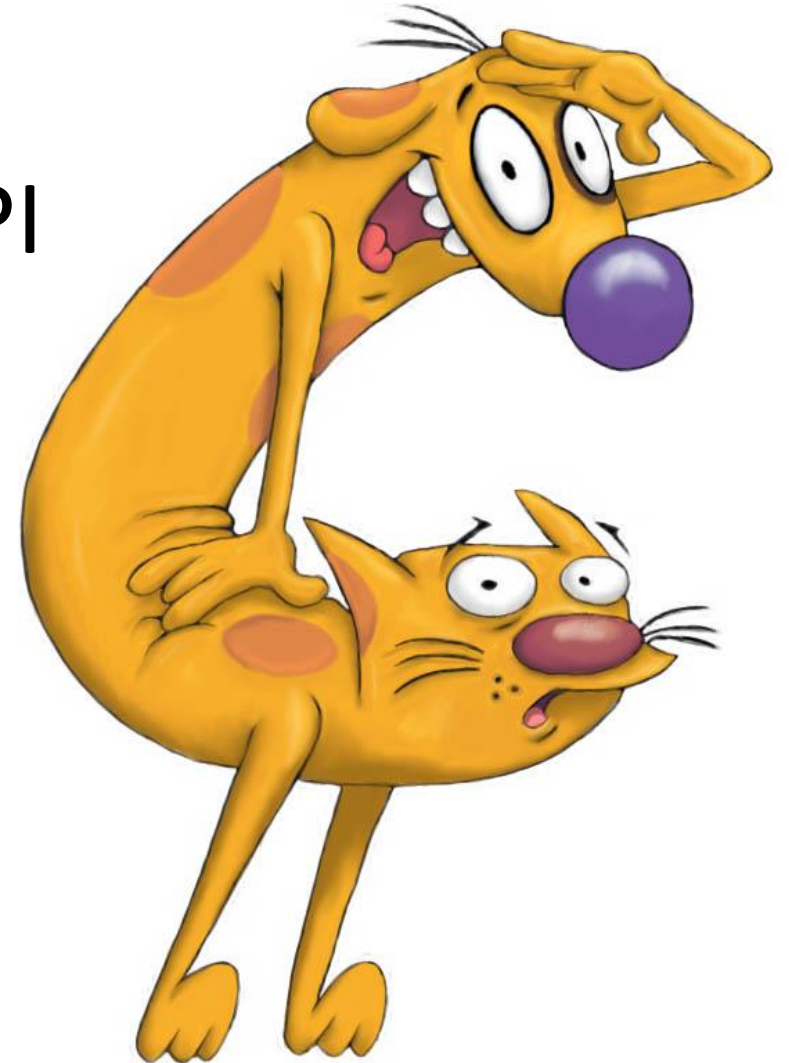
### Using C# and Custom Vision Service API

Use the training API (5 min)

- A) Prepare the solution
- B) Finish the training application
- C) Add required configuration settings
- D) Run the console application

Use the prediction API (5 min)

- A) Finish the prediction application
- B) Add required configuration settings
- C) Run the console application



# Offline Demos

Choose your platform

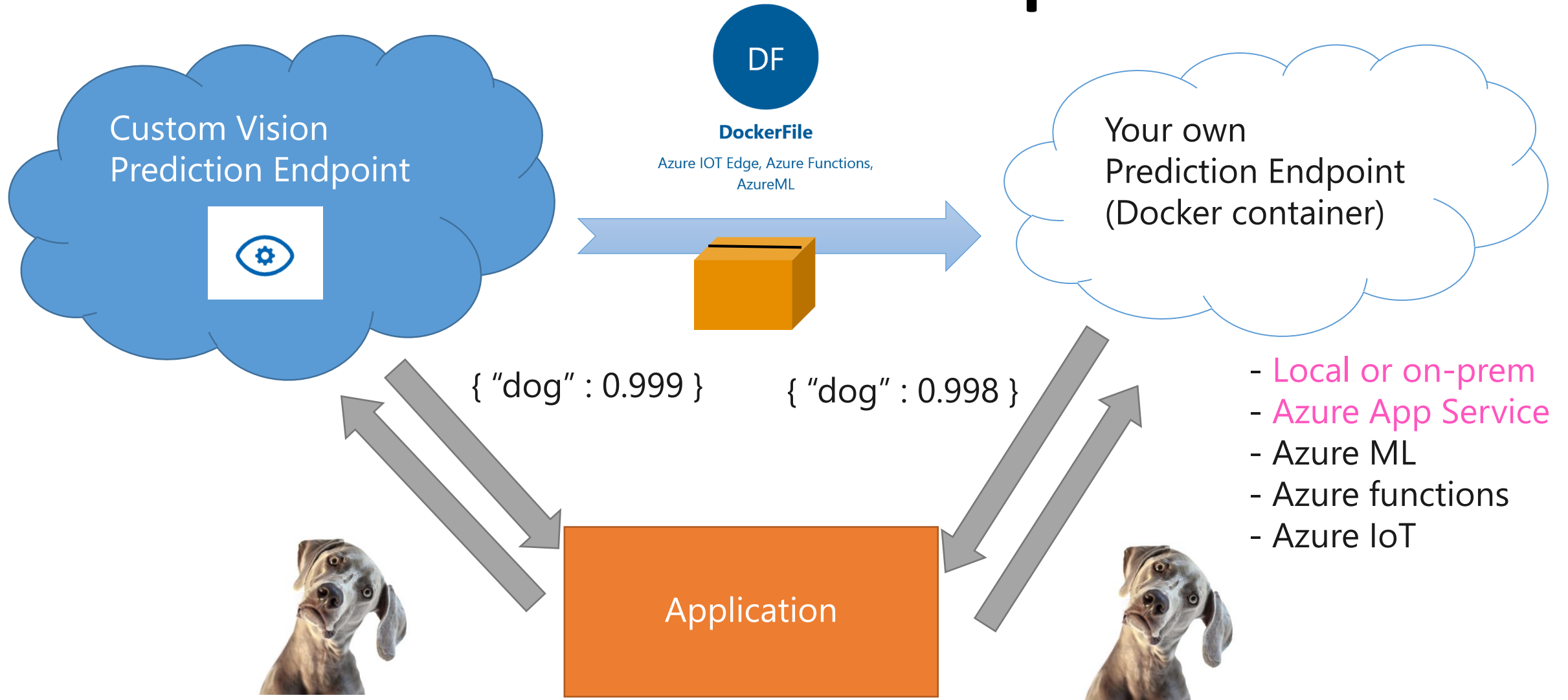


## Model Export

- Demo 3: Android
- Demo 4: ONNX (New! 🥂)
- Demo 5: Docker (New! 🥂)



# Docker Container Export



# Summary/Resources

Custom Vision Service Documentation

<https://tinyurl.com/customvisionai>

Custom Vision Service Intro Lab

<https://tinyurl.com/vision-intro>

