

Azure AI Vision



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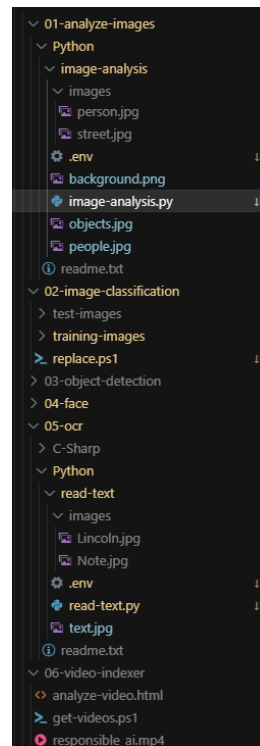
Image Classification - Inference

Azure AI Vision

Image Classification Inference

Labs for

- Image analysis
- OCR
- Video indexer



Azure AI Vision

Video Indexer

Home > [Microsoft.VideoIndexer1758464137344](#) | Overview >

videoindexer20250921 ☆ ... [Show me metrics for this Azure AI Video Indexer.](#) [Are there any alerts fired for this Azure AI Video Indexer?](#) [Summarize the properties of this Azure AI Video Indexer.](#)

Search Delete → Move

Overview

- Activity log
- Access control (IAM)
- Tags
- Resource visualizer
- Settings
- Management
- Monitoring
- Automation
- Help

Unlock generative AI: Connect your Azure Video Indexer resource to Azure OpenAI for more capabilities. [Learn about the benefits of connecting to Azure OpenAI.](#)

Essentials

Resource group	(move)	: UdemyCourse
Location	(move)	: East US
Subscription	(move)	: Azure subscription 1
Subscription ID		: 9b8688c3-4700-4975-8bcf-8ad3a2248379
Status		: Active
Tags	(edit)	: Add tags

Explore

Video Indexer portal

Use the Video Indexer web app to extract insights from video and audio files using a rich set of machine learning algorithms.

[Explore the portal](#)

Video Indexer API

Extract insights. Integrate with any application or infrastructure, or embed widgets directly into your own website.

[Explore ARM REST API](#) [Explore legacy API](#)

Responsible AI

To use people models on this Azure subscription, it needs to be approved to use face recognition by passing the Azure Face Recognition Limited Access Review.

[View the Limited Access Review form](#)

videoindexer.ai/media/library

Azure AI Video Indexer

Library Projects Samples

Search Filters →

Indexing...5%

Promo_Video Retail

Uploaded by Bert Gollnick

<https://www.videoindexer.ai/media/library>

Azure AI Vision

Video Indexer

Azure AI Video Indexer

Easily extract meaningful insights from audio and video files using media AI.

Try Azure for free

Create a pay-as-you-go account

<https://azure.microsoft.com/en-us/products/ai-video-indexer#>



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Azure AI Vision

Video Indexer

Azure AI Video Indexer

Create unlimited account

bertgollnick-8390f9 Trial

Mehr als nur
Zutaten

0:01 / 0:32

1x

Promo_Video Retail

PRIVATE Created 2 minutes ago by Bert Gollnick

Add tags

Embed

Copy video ID

Download

Open in editor

Insights

Timeline

Download

German

View

Edit

Search

8 detected objects

flasche

stuhl

buch

weinglas

schüssel

topfpflanze

tasse

esstisch

004

Play previous

Play next

2 topics

Essen und trinken / Kochen /

Rezepte

Einkaufen /

Essen

Play previous

Play next

3 keywords

zutaten

rezepte

genai

Play previous

Play next

Custom Model Training

Azure AI Vision

Create Computer Vision

Microsoft Azure

Home > AI Foundry | Computer vision >

Create Computer Vision ...

[Basics](#) [Network](#) [Identity](#) [Tags](#) [Review + create](#)

Boost content discoverability, accelerate text extraction, and create products that more people can use by embedding vision capabilities in your apps. Use visual data processing to label content (from objects to concepts), extract printed and handwritten text, recognize familiar subjects like brands and landmarks, and moderate content. No machine learning expertise is required.

[Learn more](#)

Project Details

Subscription * ⓘ

Resource group * ⓘ

[Create new](#)

Instance Details

Region ⓘ

Name * ⓘ

Pricing tier * ⓘ

[View full pricing details](#)

Responsible AI Notice

Microsoft provides technical documentation regarding the appropriate operation applicable to this Azure AI service that is made available by Microsoft. Customer acknowledges and agrees that they have reviewed this documentation and will use this service in accordance with it. This Azure AI services is intended to process Customer Data that includes Biometric Data (as may be further described in product documentation) that Customer may incorporate into its own systems used for personal identification or other purposes. Customer acknowledges and agrees that it is responsible for complying with the Biometric Data obligations contained in the Online Services DPA.

[Online Services DPA](#)

[Responsible Use of AI documentation for Spatial Analysis](#)

By checking this box I certify that I have reviewed and acknowledge the all the terms above. *

[Previous](#) [Next](#) [Review + create](#)



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Azure AI Vision

Create storage account

[Home](#) > [Storage center | Storage accounts \(Blobs\)](#) >


Create a storage account ...


[Basics](#) [Advanced](#) [Networking](#) [Data protection](#) [Encryption](#) [Tags](#) [Review + create](#)

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. [Learn more about Azure storage accounts](#) ⓘ

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription * 

Resource group * 
[Create new](#)

Instance details

Storage account name * ⓘ

Region * ⓘ 
[Deploy to an Azure Extended Zone](#)


Preferred storage type 

 This helps us provide relevant guidance. It doesn't restrict your storage to this resource type. [Learn more](#)

Performance * ⓘ

☒ **Standard:** Recommended for most scenarios (general-purpose v2 account)

☐ **Premium:** Recommended for scenarios that require low latency.

Redundancy * ⓘ 


Azure AI Vision

Powershell – adapt training_labels.json

```
> replace.ps1
```

```
$storageAcct = 'cvcustommodel20250921'  
(Get-Content training-images/training_labels.json) -replace '<storageAccount>',  
$storageAcct | Out-File training-images/training_labels.json
```

← Einstellungen

 Bert Gollnick
BertGollnick@GollnickDataSolutions...

Startseite

Startseite

Suche: powershell

- Ausführung lokaler PowerShell-Skripte ohne Signatur zulassen
- PowerShell-Entwicklereinstellungen

21D6001DPG

PowerShell

Aktivieren Sie diese Einstellungen, um PowerShell-Skripte auszuführen.




Ändern Sie die Ausführungsrichtlinie, um die Ausführung lokaler PowerShell-Skripts ohne Signatur zuzulassen. Erfordert eine Signatur für Remoteskripts

Ein ☒

Azure AI Vision

Blob Container erstellen

Home > cvcustommodel20250921

 **cvcustommodel20250921** | Configuration   

Storage account

 Search


◊ <<


 Save  Discard  Refresh  Give feedback


 Overview

 Activity log


 Tags


 Diagnose and solve problems


 Access Control (IAM)

 Data migration

 Events

 Storage browser

 Storage Mover

 Partner solutions


The cost of your storage account depends on the usage and the options you choose below. [Learn more about storage pricing](#)

Account kind

StorageV2 (general purpose v2)

Performance ⓘ

☒ Standard ☐ Premium

 This setting cannot be changed after the storage account is created.

Secure transfer required ⓘ

☐ Disabled ☒ Enabled

Allow Blob anonymous access ⓘ


☐ Disabled ☒ Enabled


New container

Name *

fruit 

Anonymous access level ⓘ

Container (anonymous read access for containers and blobs) 

 All container and blob data can be read by anonymous request. Clients can enumerate blobs within the container by anonymous request, but cannot enumerate containers within the storage account.

✓ Advanced



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Azure AI Vision

Daten uploaden

Upload blob



46 file(s) selected: IMG_20200229_164759.jpg, IMG_20200229_164760.jp...

Drag and drop files here or [Browse for files](#)

☐ Overwrite if files already exist

▼ Advanced

Upload

Give feedback

Home > cvcustommodel20250921



cvcustommodel20250921 | Storage browser

Storage account

Search



cvcustommodel20250921



Help me save costs by tiering unused blobs

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Storage Mover

Partner solutions

Resource visualizer

> Data storage

> Security + networking

> Data management

Favorites

> Recently viewed

▼ Blob containers

\$logs

fruit

View all

File shares

Queues

Tables

Blob containers > fruit

Authentication method: Access key (Switch to Microsoft Entra user account)

Add filter

Search blobs by prefix (case-sensitive)

Showing all 46 items

Name

IMG_20200229_164759.jpg

IMG_20200229_164760.jpg

IMG_20200229_164804.jpg

IMG_20200229_164811.jpg

IMG_20200229_164819.jpg

IMG_20200229_164823.jpg

IMG_20200229_164830.jpg

Azure AI Vision

Daten uploaden

Azure AI | Vision Studio

[Vision Studio](#) > [My resources](#)

Select a resource to work with

[Learn more about creating an Azure resource](#)

Current resource: azure-ai-start (East US, S0)

Current subscription: Azure subscription 1

All resources

...

Resource name ↑

azure-ai-start



computer-vision20250921



[Azure Vision Studio](#)



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Azure AI Vision

Custom Vision

[Home](#) > [AI Foundry](#) | [Custom vision](#) >

Create Custom Vision

[Basics](#) [Network](#) [Tags](#) [Review + create](#)

Customize and embed state-of-the-art computer vision for specific domains. Build frictionless customer experiences, optimize manufacturing processes, accelerate digital marketing campaigns -- and more. No machine learning expertise is required.

[Learn more](#)

Create options *

- ☒ Both
☐ Prediction
☐ Training

Project Details

Subscription *
Resource group *
[Create new](#)

Instance Details

A training resource and a prediction resource will be created in same region.

Region
Name *

Training Resource

Select pricing for training Resource.

Training pricing tier *

[View full pricing details](#)

Prediction Resource

Select pricing for prediction Resource.

Prediction pricing tier *

[View full pricing details](#)

[Previous](#)

[Next](#)

[Review + create](#)

Create new project

Name *

Description

Resource *

[create new](#)

[Manage Resource Permissions](#)

Project Types ⓘ

- ☒ Classification
☐ Object Detection

Classification Types ⓘ

- ☐ Multilabel (Multiple tags per image)
☒ Multiclass (Single tag per image)

Domains:

- ☐ General [A2]
☐ General [A1]
☒ General
☐ Food
☐ Landmarks
☐ Retail
☐ General (compact) [S1]
☐ General (compact)
☐ Food (compact)
☐ Landmarks (compact)
☐ Retail (compact)

Pick the domain closest to your scenario. Compact domains are lightweight models that can be exported to iOS/Android and other platforms. [Learn More](#)

[Cancel](#)

[Create project](#)

<https://www.customvision.ai/>



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Azure AI Vision

Custom Vision - Tagging

fruitclassification

Filter

Iteration

Workspace

Tags

Tagged Untagged

Showing: all tagged images

Search For Tags:

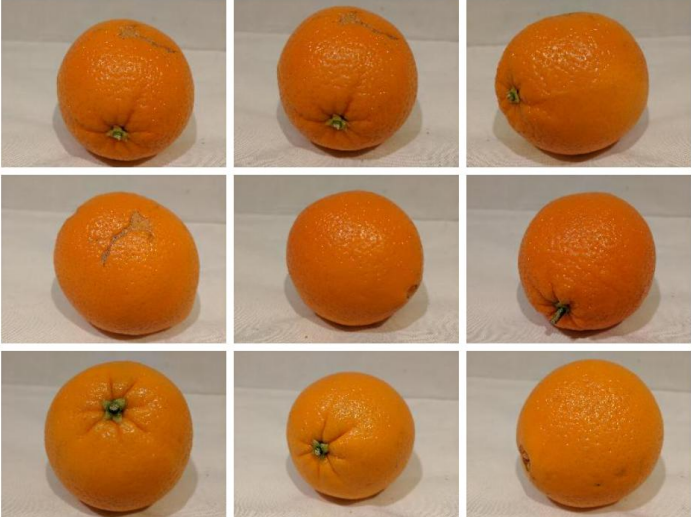
☐ apple 15

☐ banana 15

☐ orange 15

Add images Delete Tag images Select all

Training Images Perform



Choose Training Type

Training Types ⓘ

- ☒ Quick Training
- ☐ Advanced Training

Est. Minimum Budget: 1 hour

Train

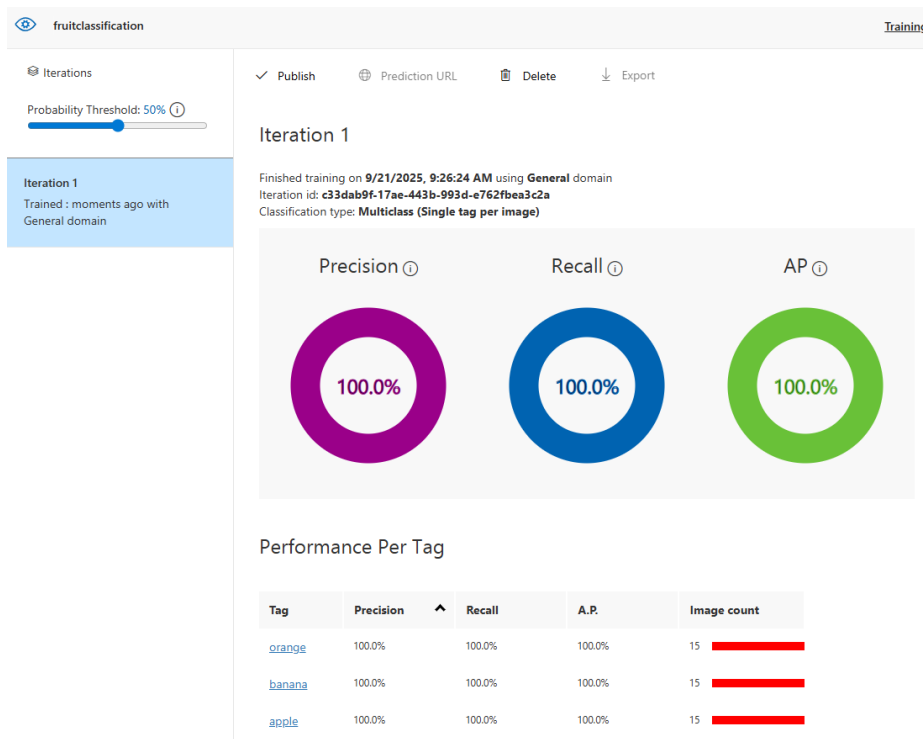
<https://www.customvision.ai/>



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Azure AI Vision

Custom Vision - Training



<https://www.customvision.ai/>

Azure AI Vision

Custom Vision - Testing

Quick Test



Image URL



or

[Browse local files](#)

File formats accepted: [jpg](#), [png](#), [bmp](#)

File size should not exceed: [4mb](#)

Using model trained in

Iteration

Iteration 1

Predictions

Tag	Probability
banana	100%
apple	0%
orange	0%

<https://www.customvision.ai/>



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Azure AI Vision

Custom Vision – Get suggested tags

Image Detail ☒ Suggested tags on



My Tags

Add a tag and press enter

Suggested Tags

banana (100%)

Confidence Threshold: 60%

Save and close

Image Detail ☒ Suggested tags on



My Tags

Add a tag and press enter

Suggested Tags

apple (100%)

Confidence Threshold: 60%

Save and close

<https://www.customvision.ai/>



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Azure AI Vision

Custom Vision – Train via Python

The screenshot shows the 'Project Settings' page for a Custom Vision project named 'fruitclassification'. The page is divided into two main sections: 'Project Settings' on the left and 'Settings' on the right.

Project Settings:

- General:**
 - Project Name:** fruitclassification
 - Project Id:** 4b3a913e-47e2-4aeb-ba29-18a5e0ef72a2
 - Description:** Fruit Classification
- Usage:**
 - 48 training images uploaded; 99952 remain
 - 3 tags created; 497 remain
 - 1 iterations saved; 19 remain
- Domains:**
 - ☐ General [A2]
 - ☐ General [A1]
 - ☒ General
 - ☐ Food
 - ☐ Landmarks
 - ☐ Retail

Settings:

- Resources:**
 - mycustomvision20250921
 - Subscription: Azure subscription 1
 - Resource Group: UdemyCourse
 - Resource Kind: Custom Vision Training
- Key:** EZZz8EJyCdMTnUXc1Xaca8wKzk6vPKp4pmy8glVDM05Gml6vWsxIQQ998IACYeBjFXJ3w3AAAIACOGHDEK
- Endpoint:** https://mycustomvision20250921.cognitiveservices.azure.com/
- Resource Id:** /subscriptions/9b8688c3-4700-4975-8bcf-8ad3a2248379/resourceGroups/UdemyCourse/providers/Microsoft.CognitiveS
- Pricing Tier:** S0
 - [Change Pricing Tier](#)
- 1 projects created; 99 remain



Azure AI Vision

Custom Vision – Prediction

The screenshot displays the Azure AI Vision Custom Vision interface for a project named 'fruitclassification'. The interface is divided into several sections:

- Left Sidebar:** Contains a list of iterations. 'Iteration 2' is selected, showing it was trained 5 minutes ago with the 'General' domain. 'Iteration 1' is listed below it, trained 8 hours ago with the 'General' domain.
- Top Bar:** Includes a 'Publish' button (checked), a 'Prediction URL' button, a 'Delete' button, and an 'Export' button. There are also tabs for 'Training Images' and 'Performance'.
- Main Content Area:** Displays 'Iteration 2' details, including the training completion time (9/21/2025, 4:55:44 PM), the iteration ID (b5a5c4e4-3777-4cdd-8e07-15335159f4e2), and the classification type (Multiclass (Single tag per image)). Below this, a large purple donut chart shows a 'Precision' of 100.0%.
- Bottom Section:** Labeled 'Performance Per Tag', it shows a table with columns for 'Tag', 'Precision', 'Recall', and 'Image count'.

A 'Publish Model' dialog box is overlaid on the main content area. It contains the following information:

- Title:** Publish Model
- Message:** We only support publishing to a prediction resource in the same region as the training resource the project resides in. Please check if you have a prediction resource and if the prediction resource is in the same region as the training resource.
- Model name:** A text input field containing 'Iteration2'.
- Prediction resource:** A dropdown menu currently showing '- Please Choose -'.
- Buttons:** 'Publish' and 'Cancel' buttons at the bottom right.



Pricing

Azure AI Vision

Pricing

^ Azure AI services ⓘ Azure AI Vision, Pay as you go, Standard: Image Analysis ~ ... ⓘ ⓘ Upfront: \$0.00 Monthly: \$0.00

AI Services

Get \$200 credit plus free monthly amounts of popular services for 12 months—including the Computer Vision API. [See free amounts](#) ▾ ×

API:	Region:	Payment Option:	Tier:
<input type="text" value="Azure AI Vision"/>	<input type="text" value="East US"/>	<input type="text" value="Pay as you go"/>	<input type="text" value="Standard"/>

Image Analysis

Background Removal (preview)

① Free in preview

Group 1 ⓘ

<input type="text" value="0"/>	=	\$0.00
<small>x1,000 transactions</small>		

Group 2 ⓘ

<input type="text" value="0"/>	=	\$0.00
<small>x1,000 transactions</small>		

Image Analysis Model Customization

Custom Object Detection (preview)

<input type="text" value="0"/>	×	\$20.00	=	\$0.00
<small>Hours</small>		<small>Per hour</small>		

<https://azure.microsoft.com/en-us/pricing/calculator/>



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