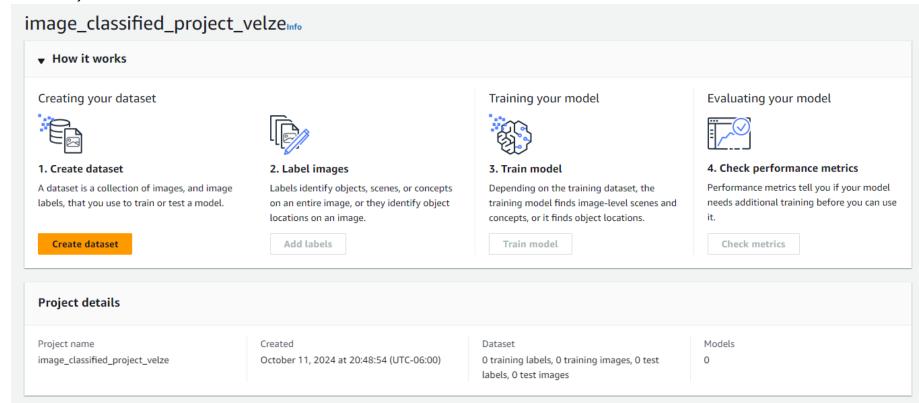
HOS01A-4 Introduction to Rekognition

AI620 Fall 2024 by Verónica Elze

8. Create Project



9. Create Dataset

Custom Labels > image_classified_project_velze > Create dataset

Create dataset Info

Starting configuration

Configuration options

- Start with a single dataset
 - When you train your model, the dataset is split to create the training dataset (80%) and test dataset (20%) for your project.
- Start with a training dataset and a test dataset
 Recommended for most users. Start with the highest control over training, testing, and performance tuning.
- i What are training datasets and test datasets?
 - A training dataset teaches your model to identify scenes or objects in images.
 - · A test dataset evaluates the performance of your trained model.

10. Single Dataset from S3 bucket

Create dataset Info

Starting configuration

Configuration options



O Start with a single dataset

When you train your model, the dataset is split to create the training dataset (80%) and test dataset (20%) for your project.

 Start with a training dataset and a test dataset Recommended for most users. Start with the highest control over training, testing, and performance tuning.



(i) What are training datasets and test datasets?

- · A training dataset teaches your model to identify scenes or objects in images.
- · A test dataset evaluates the performance of your trained model.

Training dataset details

Import training images Info

Import images from one of the sources below.



Import images from S3 bucket

Use images from an existing S3 bucket by entering the S3 bucket URI. You can automatically add labels based on your S3 bucket folder names.



Upload images from your

Add images by uploading files from your local computer. You're limited to uploading 30 images at one time.



O Copy an existing Amazon **Rekognition Custom Labels**

> Use an existing dataset as a starting point for your new dataset. Your original dataset will remain unchanged.



O Import images labeled by

SageMaker Ground Truth

Provide the location of your manifest file. If you have a labeled datasets in a different format, convert them to a manifest format.



11. Auto-label S3 URI images

S3 URI

s3://custom-labels-console-us-east-2-1323f944c6/flowers/flowers/

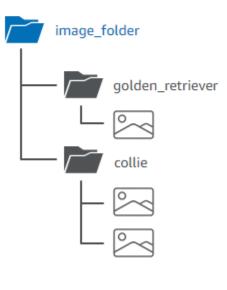
Supported image formats: JPG, PNG. Maximum images per dataset: 250,000. Maximum image size: 15 MB, Minimum size (px): 64 x 64. Maximum size (px): 4096 x 4096. Images must have the same dimensions.

For best results, we recommend uploading images from folders within the S3 bucket created for you during first-time setup.

Automatic labeling

If you've organized the images in your S3 bucket by folder name (/Golden-Retriever/01.jpeg), Custom Labels can automatically label these images.

✓ Automatically assign image-level labels to images based on the folder name

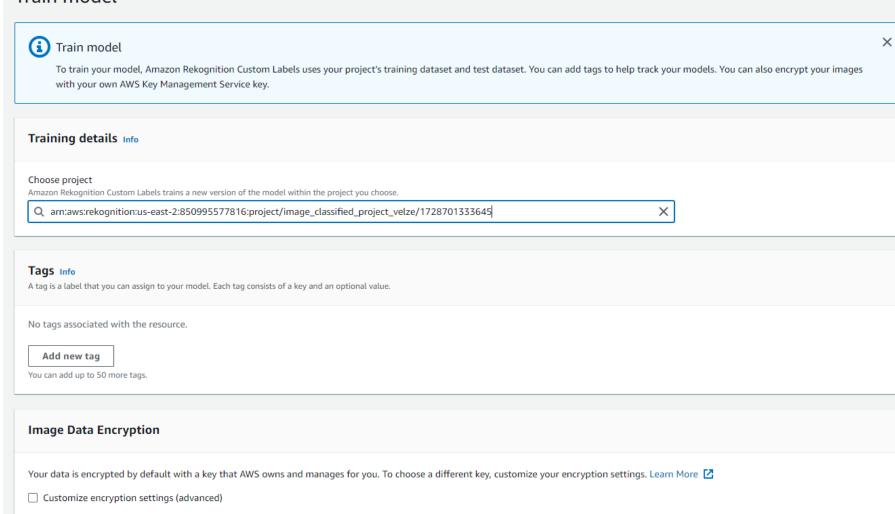


Cancel

Create Dataset

12. Train Model

Train model



Cancel

Train Model

Po you want to train your model? Your dataset will be split into a training dataset (80%) and test dataset (20%). Typically, training takes from 30 minutes to 24 hours to complete. For more information, see Training hours. You are charged for the amount of time it takes to successfully train your model and for the amount of time your model runs. You aren't charged if model training fails.

image_classified_project_velze_{Info}

▼ How it works

Creating your dataset



1. Create dataset

A dataset is a collection of images, and image labels, that you use to train or test a model.





2. Label images

Cancel

Labels identify objects, scenes, or concepts on an entire image, or they identify object locations on an image.

Train model

Add labels

Training your model



3. Train model

Depending on the training dataset, the training model finds image-level scenes and concepts, or it finds object locations.

Train model

Evaluating your model



4. Check performance metrics

Performance metrics tell you if your model needs additional training before you can use it.

Check metrics

Project details

Project name

image_classified_project_velze

Created

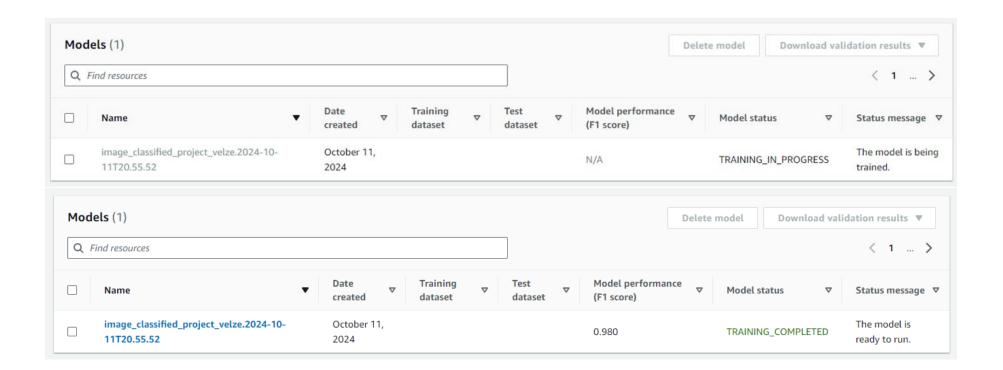
October 11, 2024 at 20:48:54 (UTC-06:00)

ataset

5 training labels, 400 training images, 5 test labels, 100 test images

Models

1



13. Check Metrics

