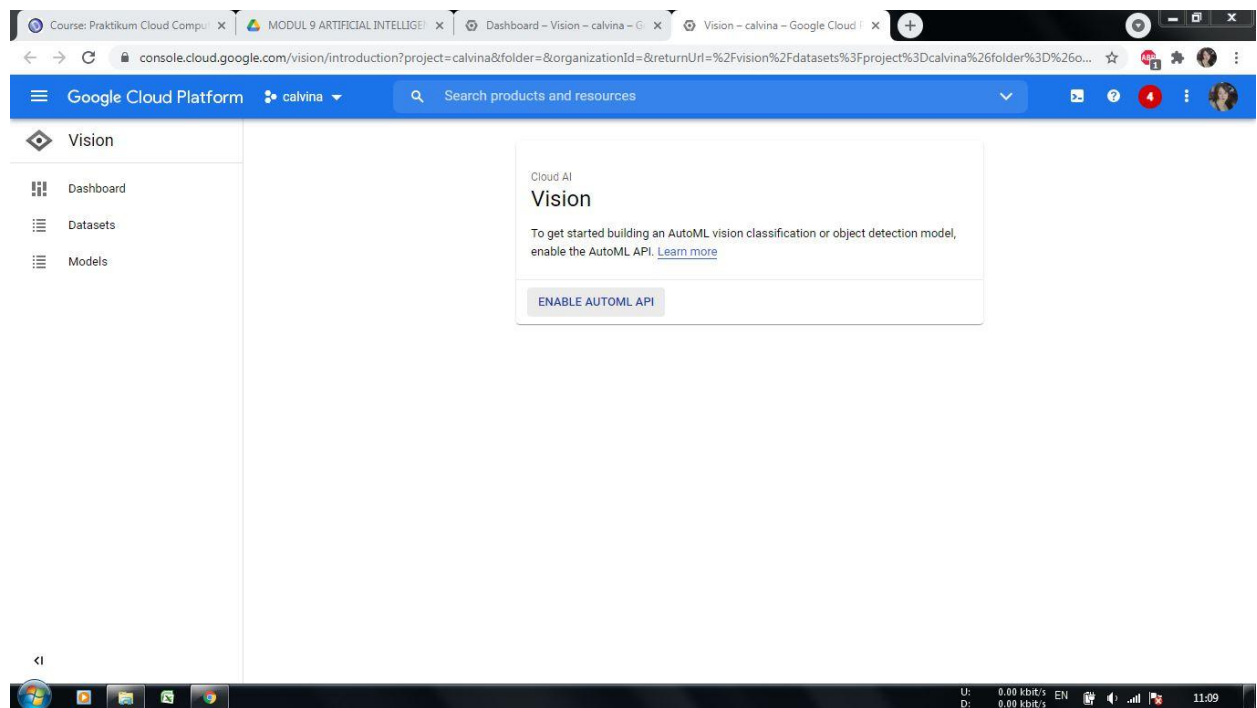
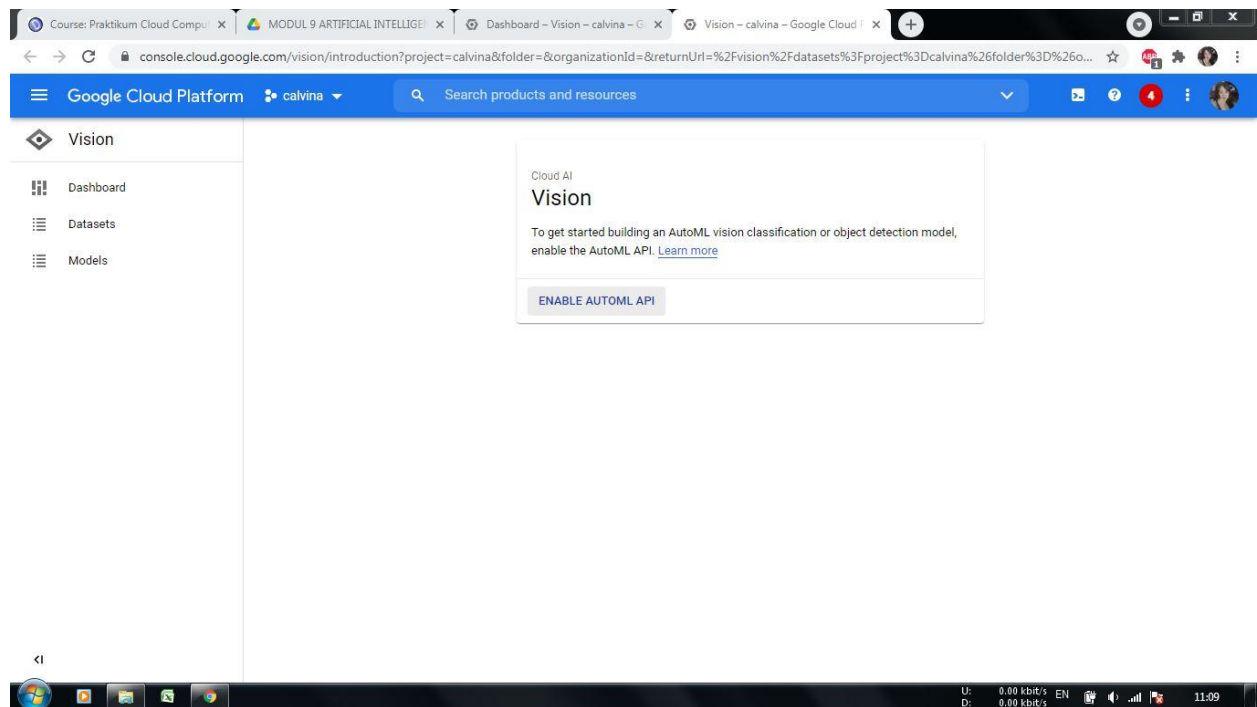
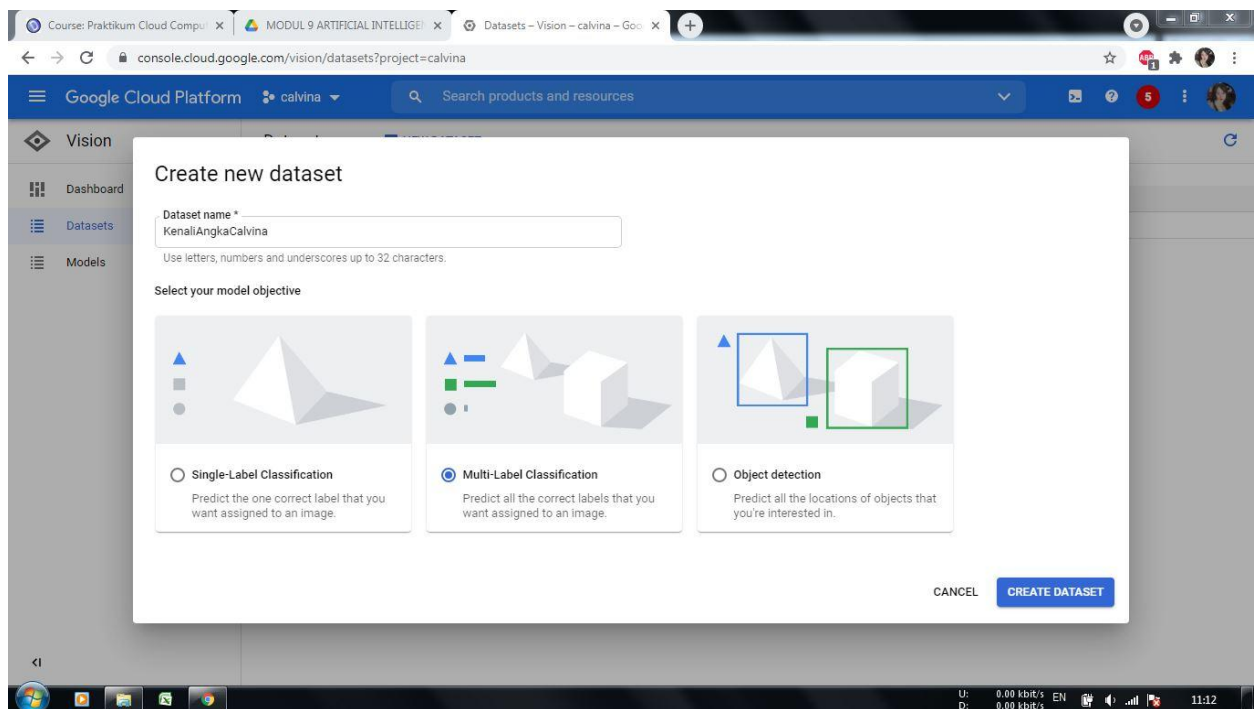
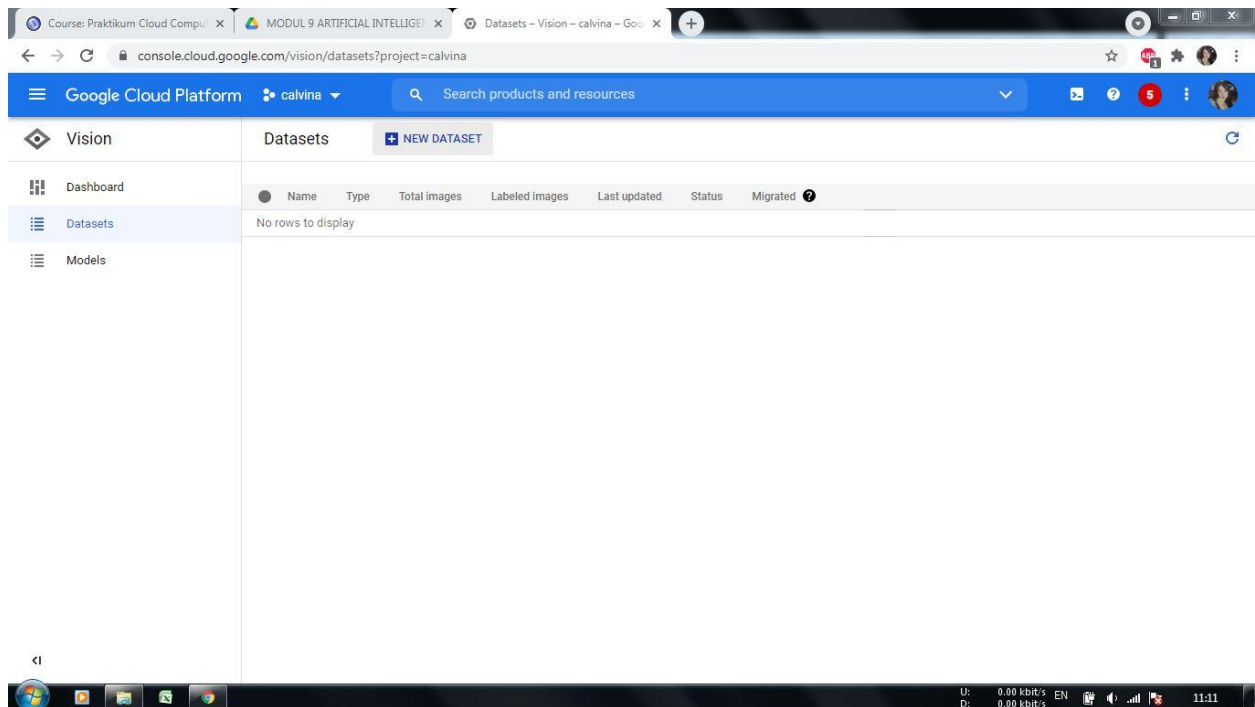


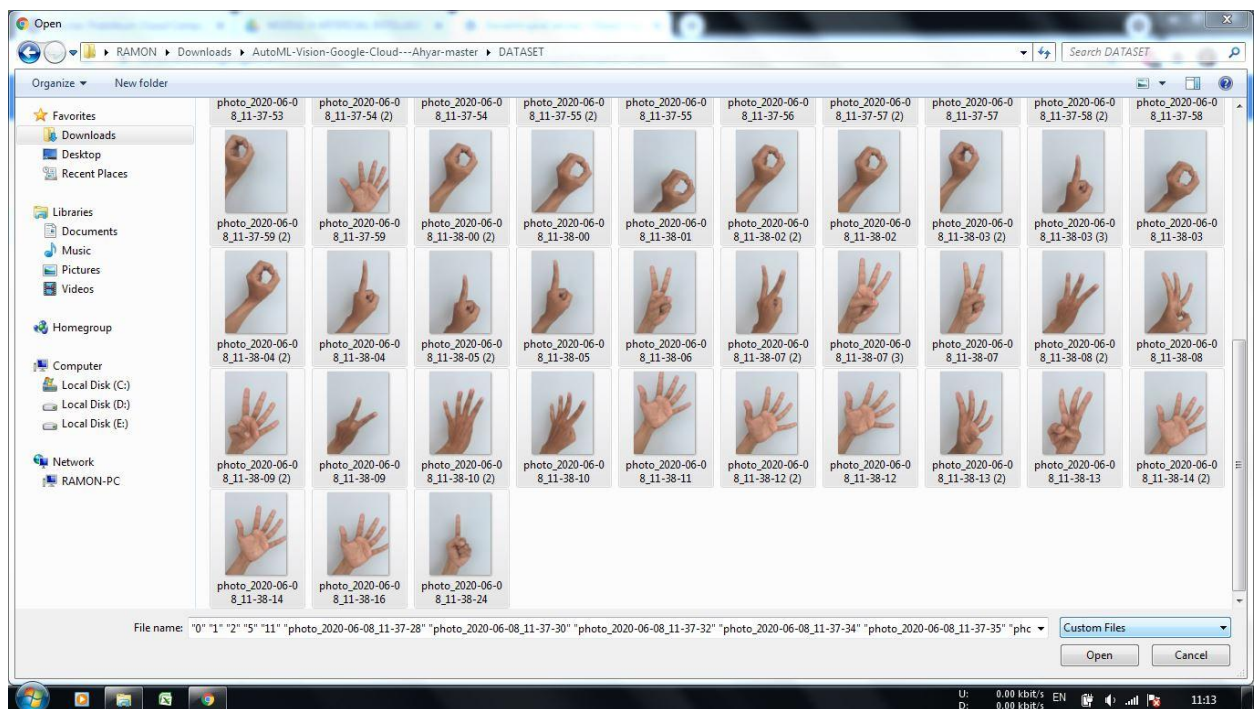
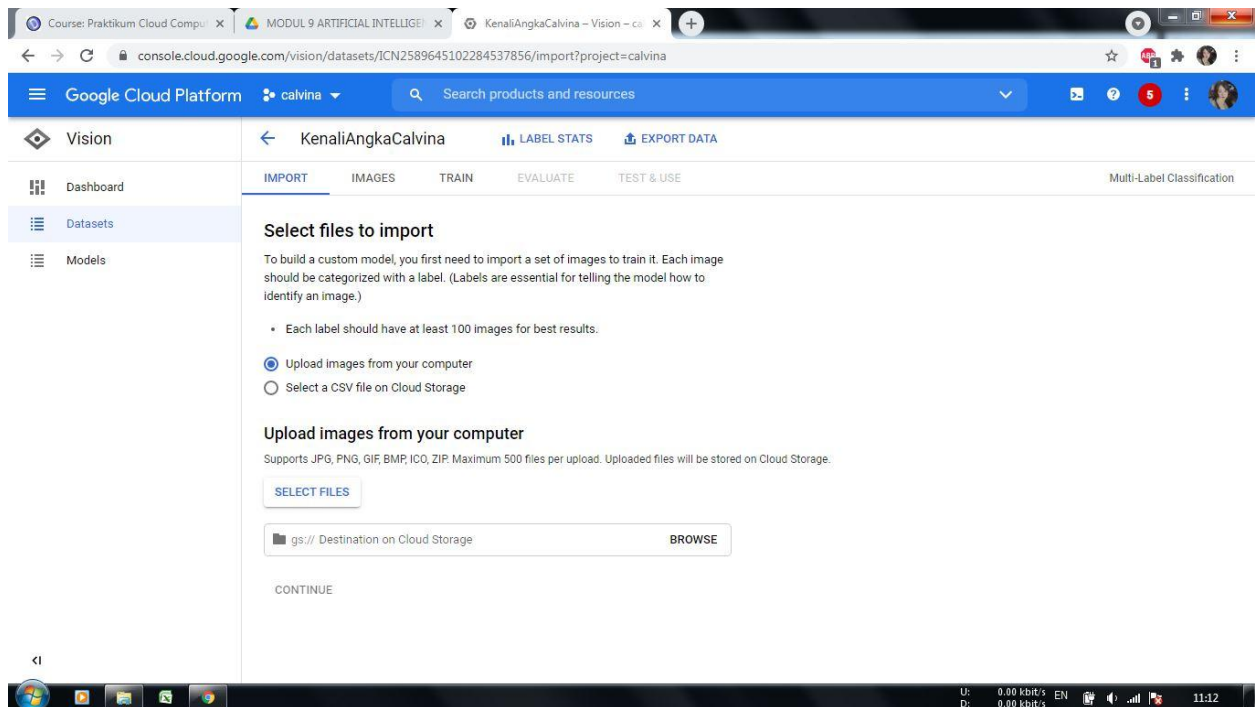
# LATIHAN PRAKTIKUM CLOUD COMPUTING PERTEMUAN KE-12

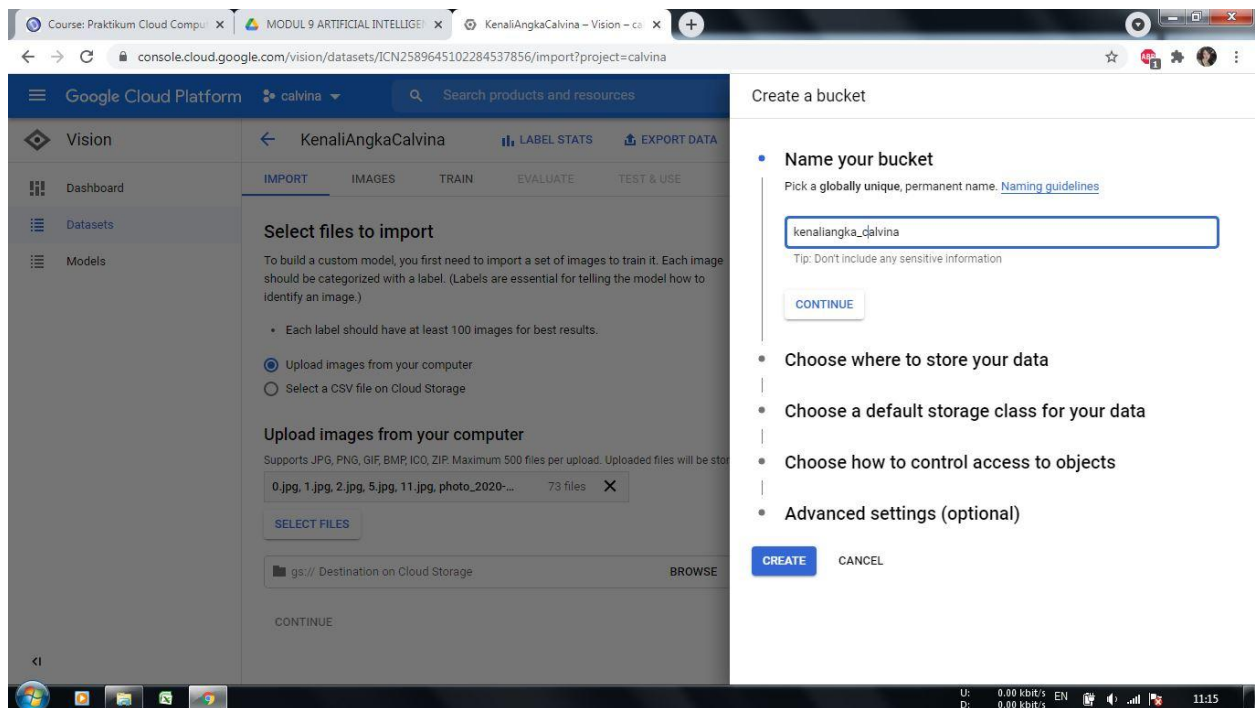
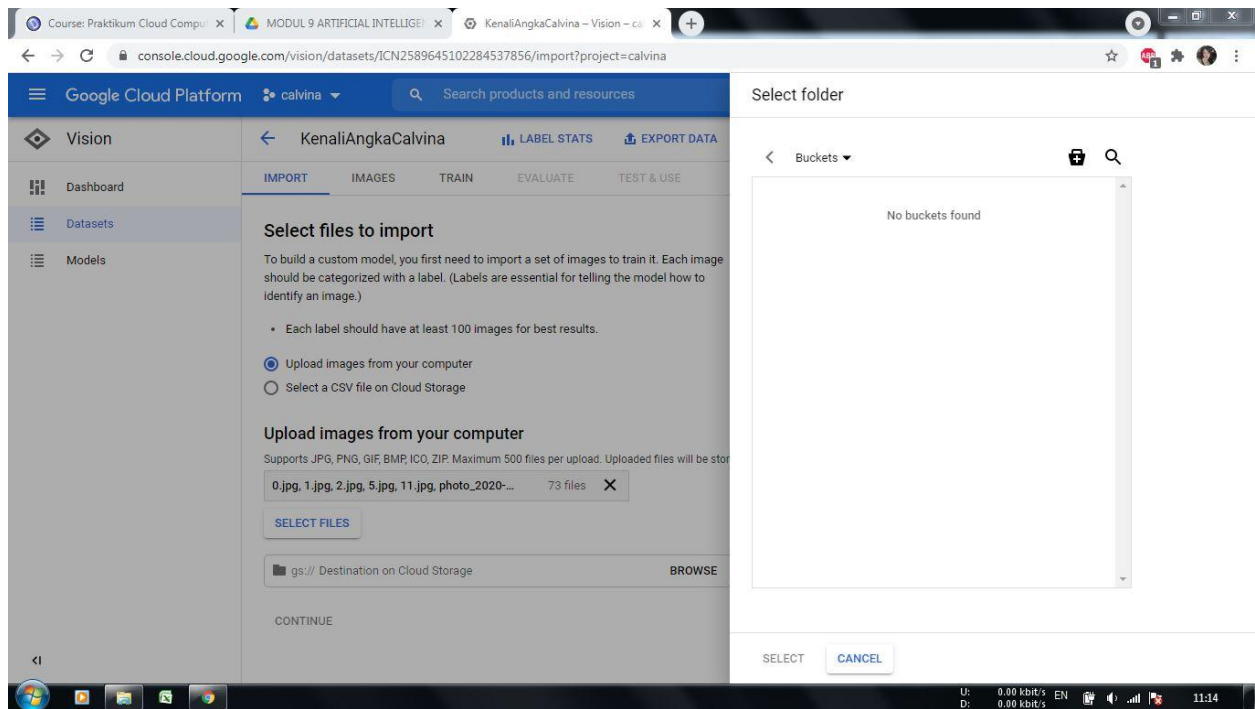
The screenshot shows the Google Cloud Platform (GCP) console dashboard for a project named 'calvina'. The interface includes a top navigation bar with the GCP logo, project name, and a search bar. A left sidebar contains a menu with options like Home, Billing, App Engine, Compute Engine, Cloud Storage, and Looker. The main content area displays several widgets: 'RECOMMENDATIONS' with cards for Cloud Storage, APIs & Services, and Browser; 'APIs' showing a graph of requests (requests/sec) over time; 'Google Cloud Platform status' with alerts for Google BigQuery; and 'Billing' information. A 'Go to APIs overview' link is visible at the bottom of the APIs widget.

The screenshot shows the Google Cloud Platform (GCP) console dashboard for the Vision service within the 'calvina' project. The left sidebar is expanded to show the 'Vision' section, with 'Dashboard' selected. The main content area is titled 'Dashboard' and features four cards: 'AutoML Vision' (with sub-cards for 'Image Classification' and 'Object Detection'), 'Vision API', and 'Vision Product Search'. Each card provides a brief description of the service and a 'Get started' or 'View docs' link. The bottom of the screen shows the Windows taskbar with the time 11:07.

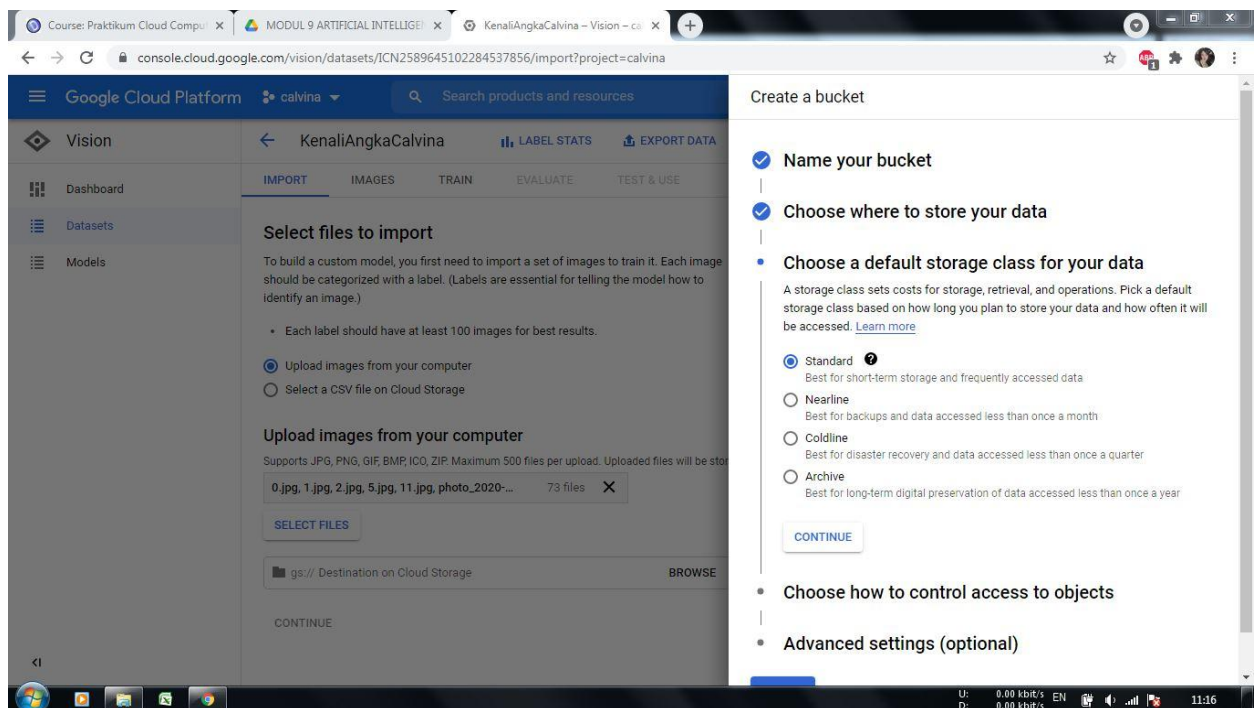
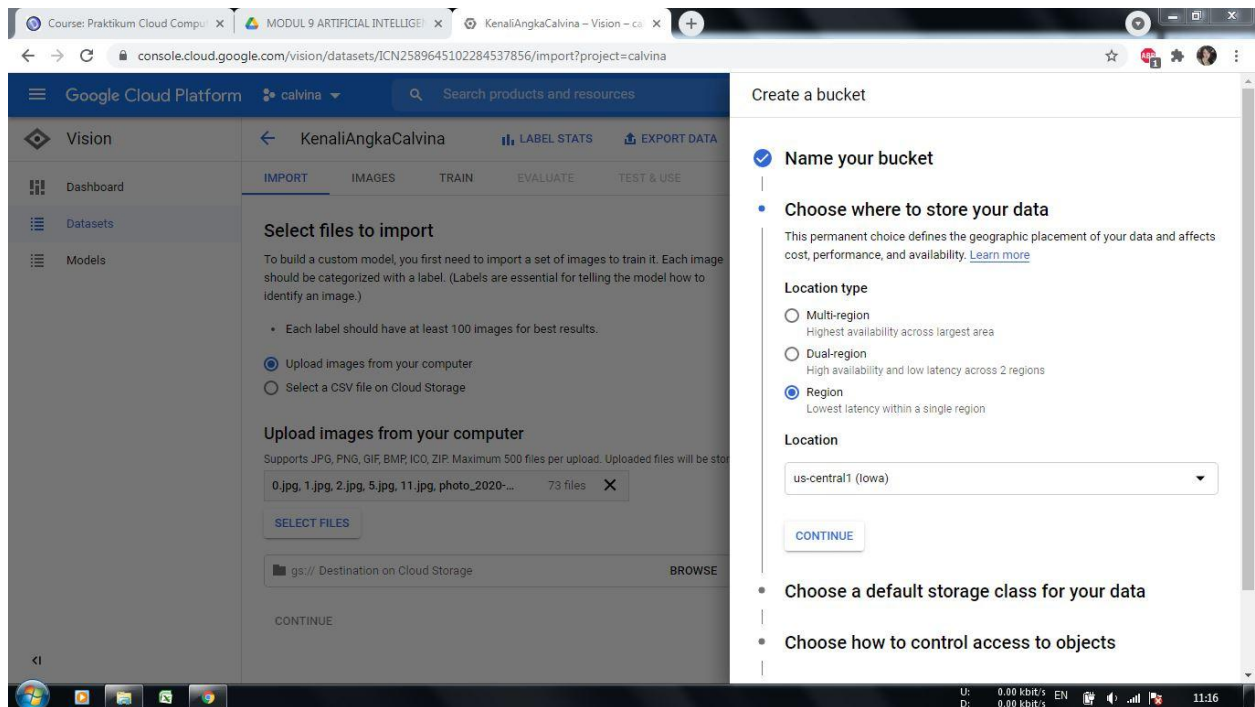


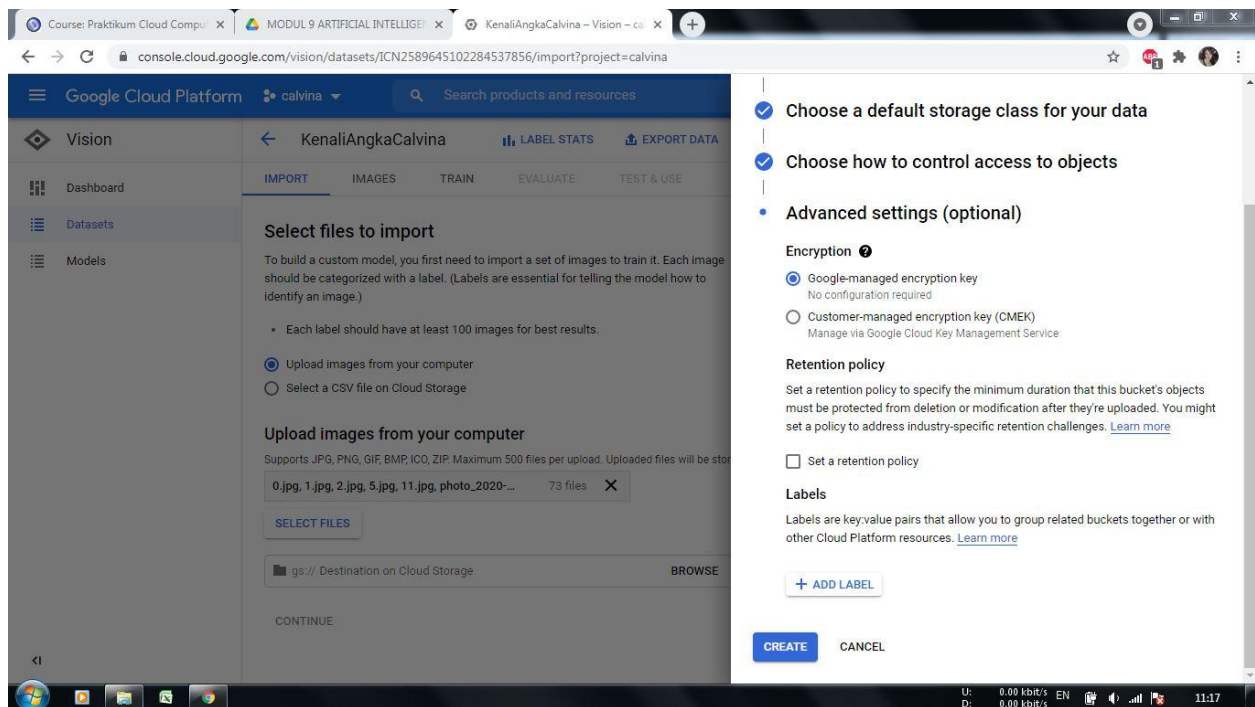
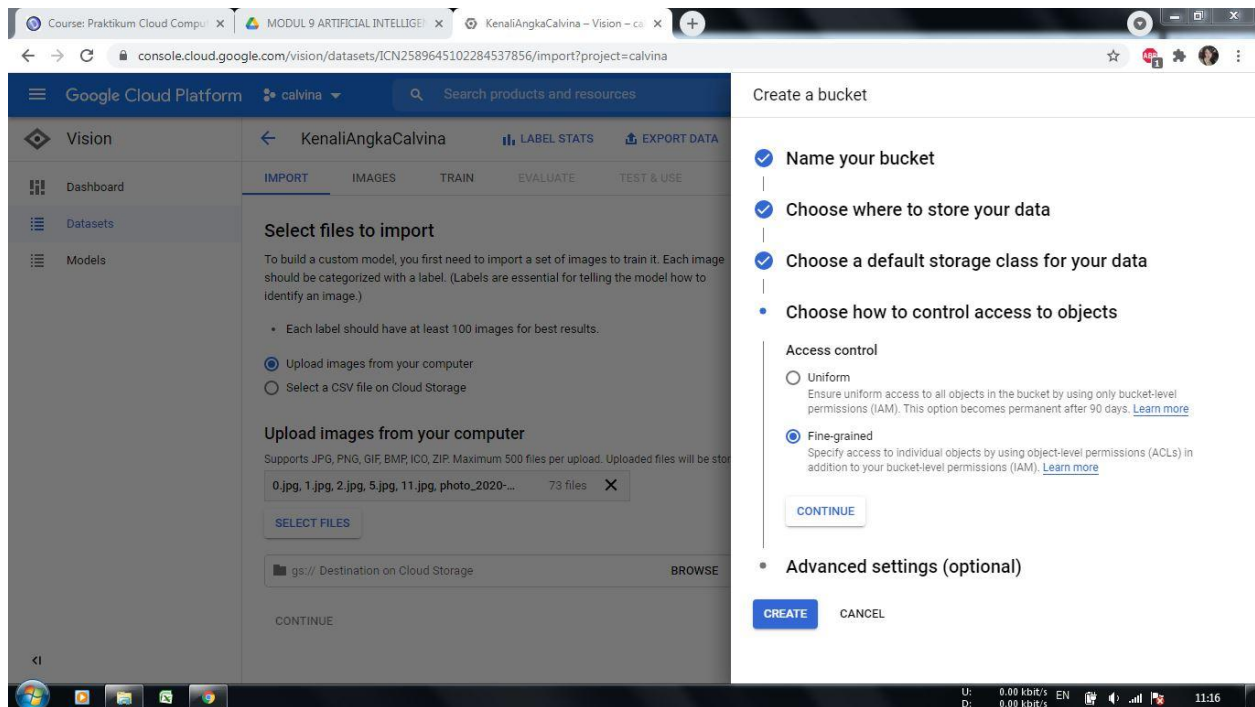


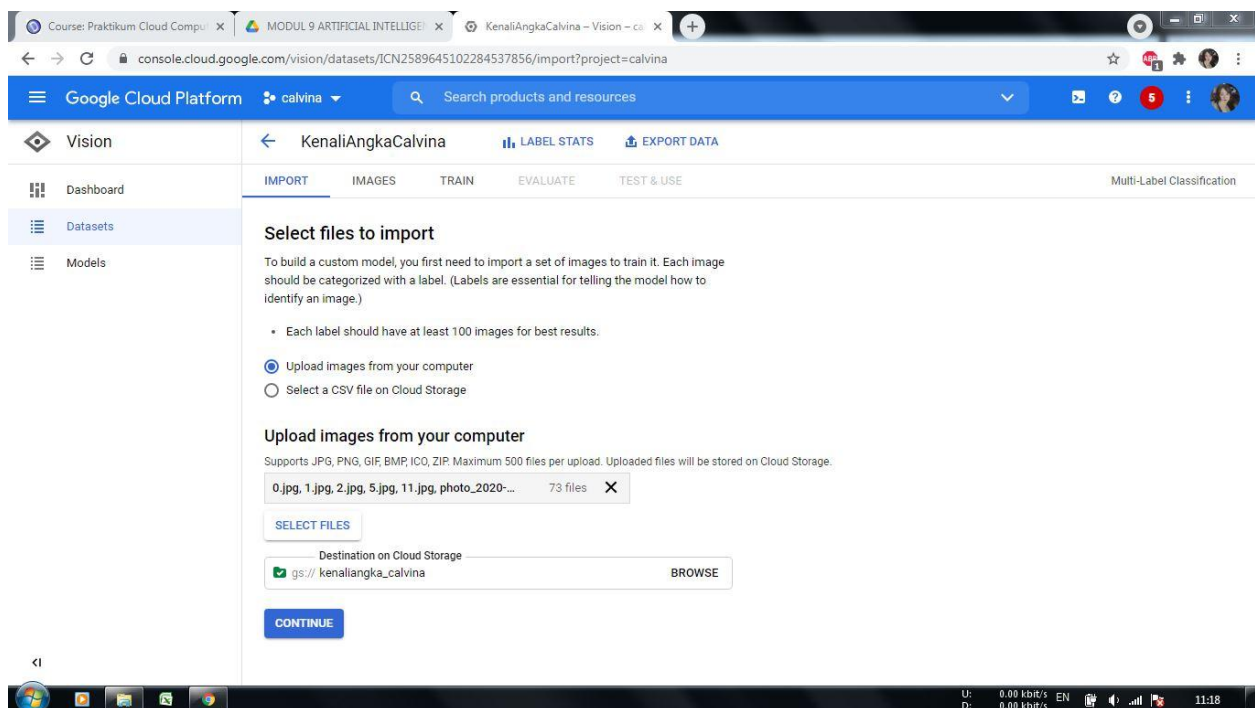
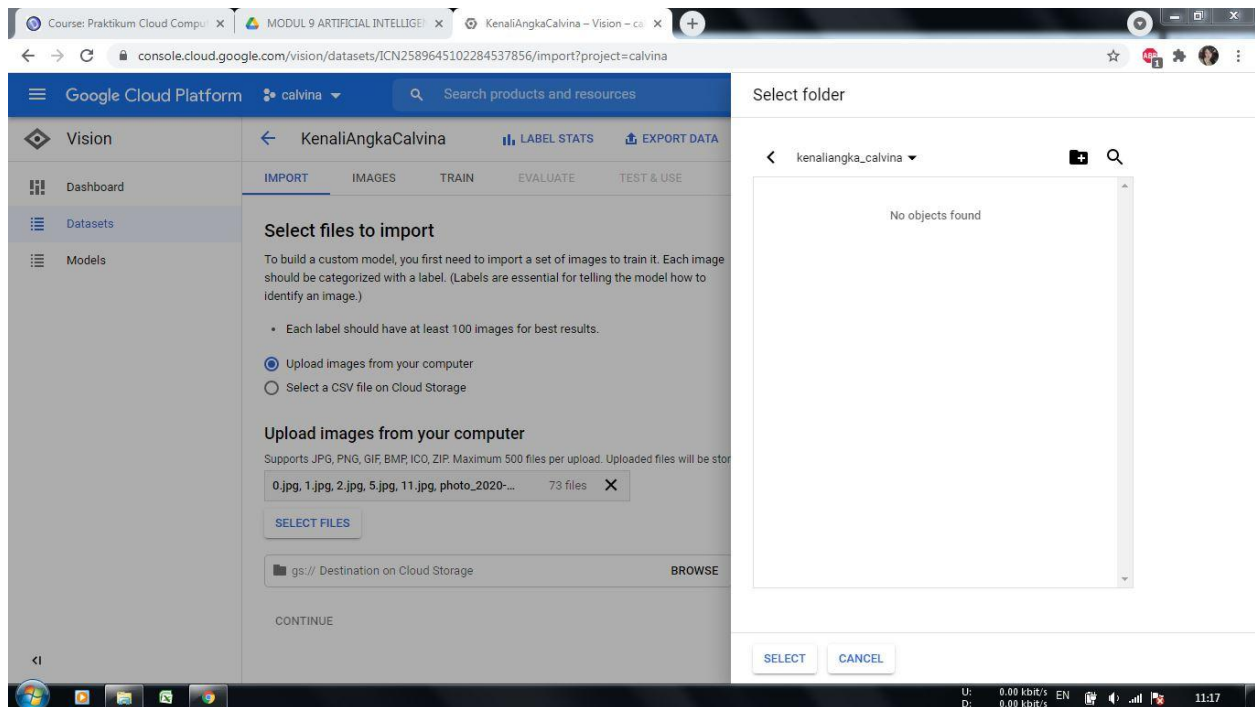




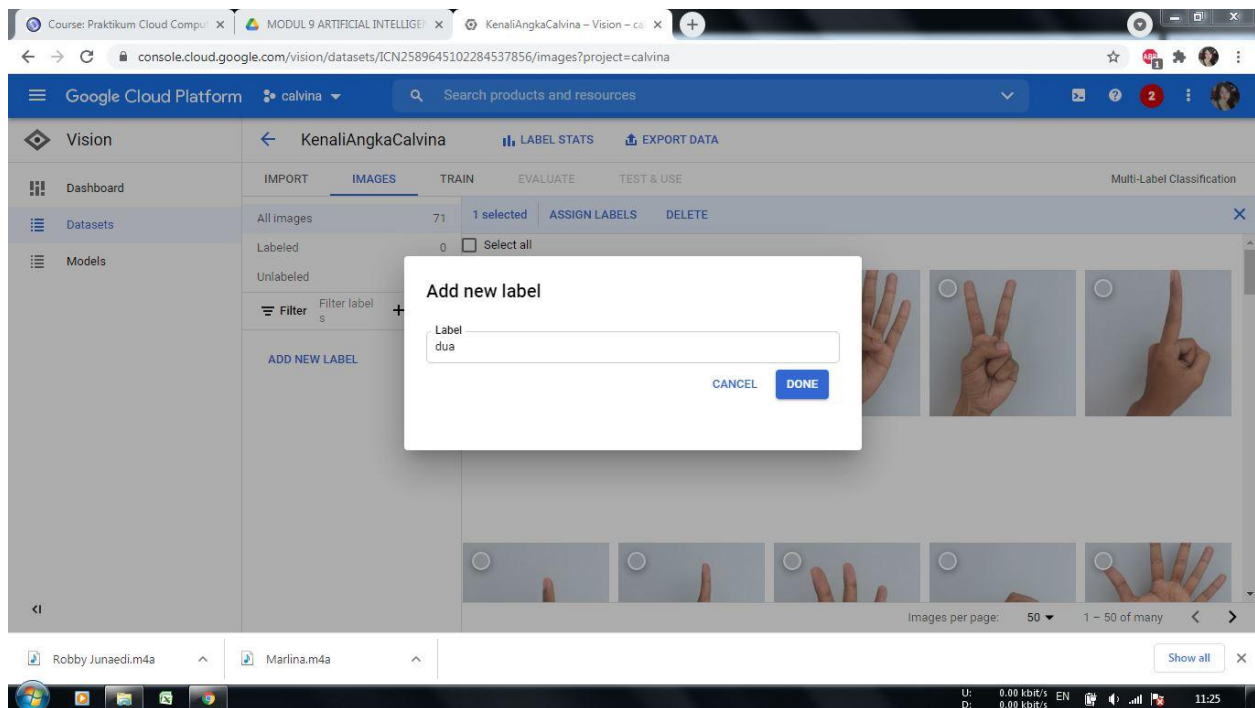
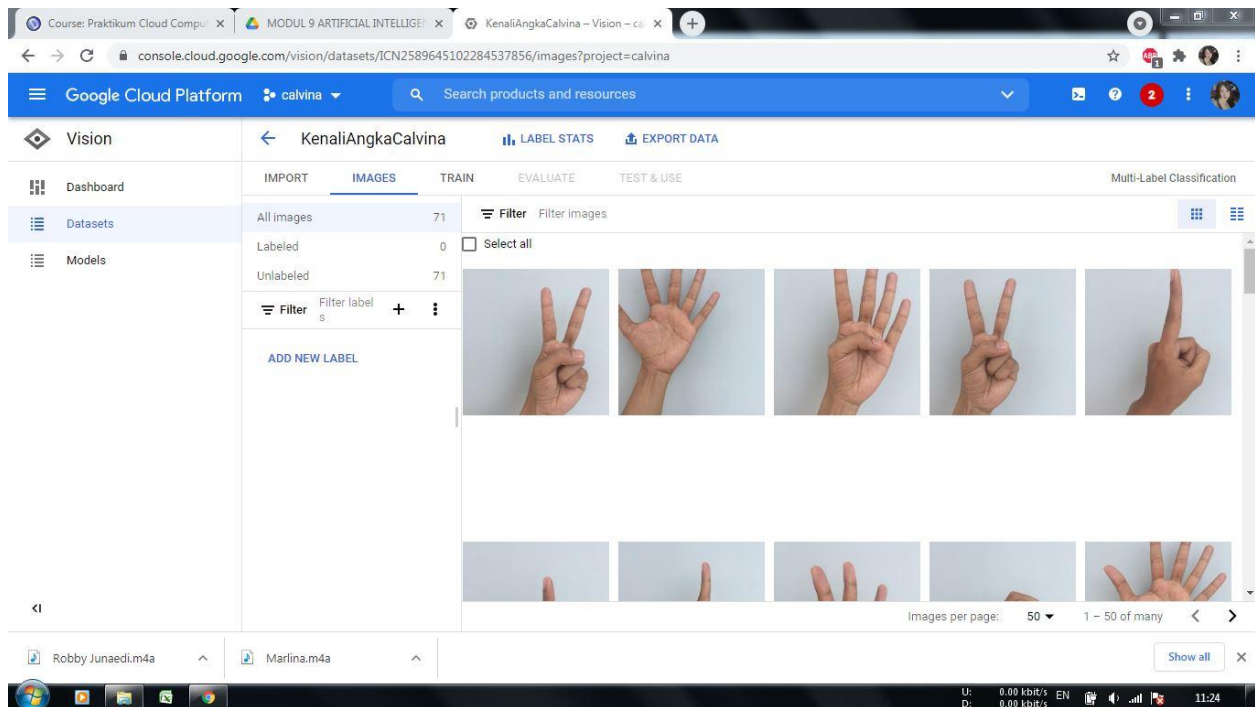












Course: Praktikum Cloud Computing x MODUL 9 ARTIFICIAL INTELLIGENCE x KenaliAngkaCalvina - Vision - calvina x

console.cloud.google.com/vision/datasets/ICN2589645102284537856/images?project=calvina

Google Cloud Platform calvina Search products and resources

Vision KenaliAngkaCalvina LABEL STATS EXPORT DATA

Dashboard Datasets Models

IMPORT IMAGES TRAIN EVALUATE TEST & USE Multi-Label Classification

All images 71 Filter Filter images

Labeled 0 Select all

Unlabeled 71

Filter Filter labels +

dua 0

empat 0

lima 0

nol 0

satu 0

tiga 0

ADD NEW LABEL

Images per page: 50 1 - 50 of many

Robby Junaedi.m4a Marlina.m4a Show all

Course: Praktikum Cloud Computing x MODUL 9 ARTIFICIAL INTELLIGENCE x Assign labels - Vision - calvina x

console.cloud.google.com/vision/datasets/ICN2589645102284537856/images?project=calvina

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IMPORT IMAGES TRAIN EVALUATE TEST & USE

All images 71 1 selected ASSIGN LABELS DELETE

Labeled 0 Select all

Unlabeled 71

Filter Filter labels +

dua 0

empat 0

lima 0

nol 0

satu 0

tiga 0

ADD NEW LABEL

Assign labels

Filter Filter labels

☒ dua

☐ empat

☐ lima

☐ nol

☐ satu

☐ tiga

SAVE CANCEL

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IMPORT IMAGES TRAIN EVALUATE TEST & USE Multi-Label Classification

All images 71 Labeled 71 Unlabeled 0

Filter Filter images Select all

dua 12 empat 11 lima 13 nol 11 satu 13 tiga 11

ADD NEW LABEL

dua(1) lima(1) empat(1) dua(1) satu(1)

Images per page: 50 1 - 50 of many

Course: Praktikum Cloud Computing x MODUL 9 ARTIFICIAL INTELLIGENCE x KenaliAngkaCalvina - Vision - console.cloud.google.com/vision/datasets/ICN2589645102284537856/train?project=calvina

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IMPORT IMAGES TRAIN EVALUATE TEST & USE Multi-Label Classification

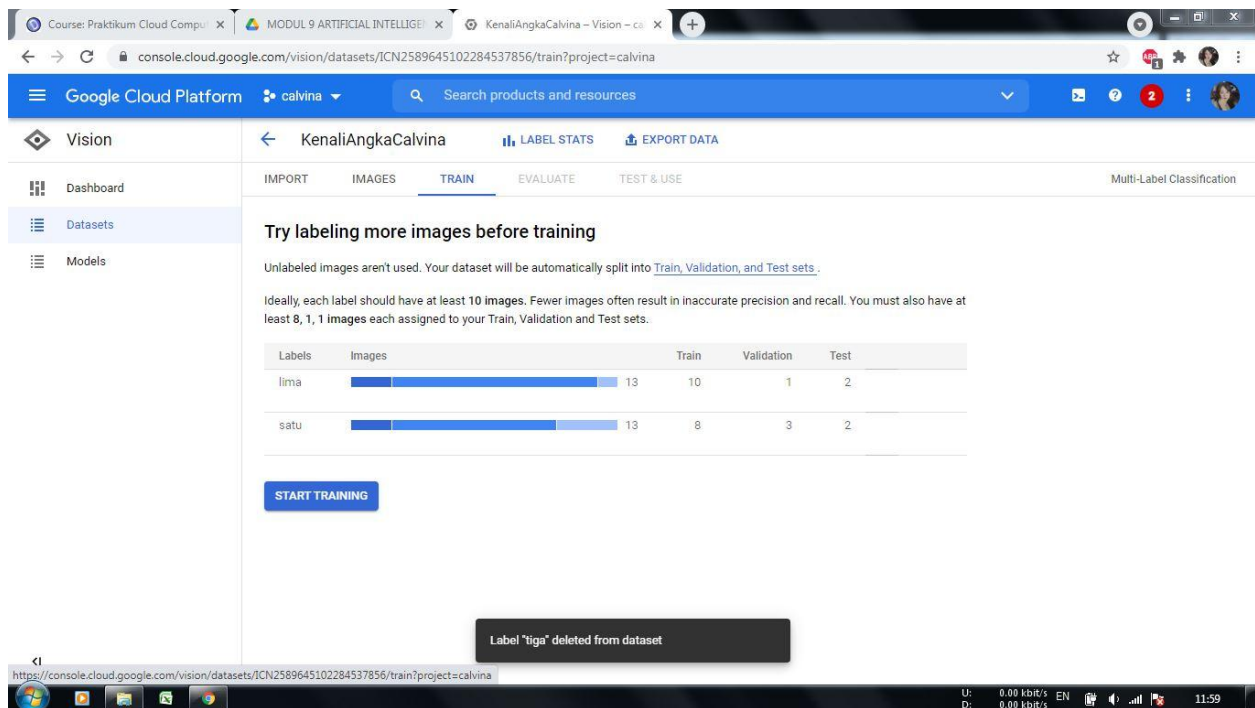
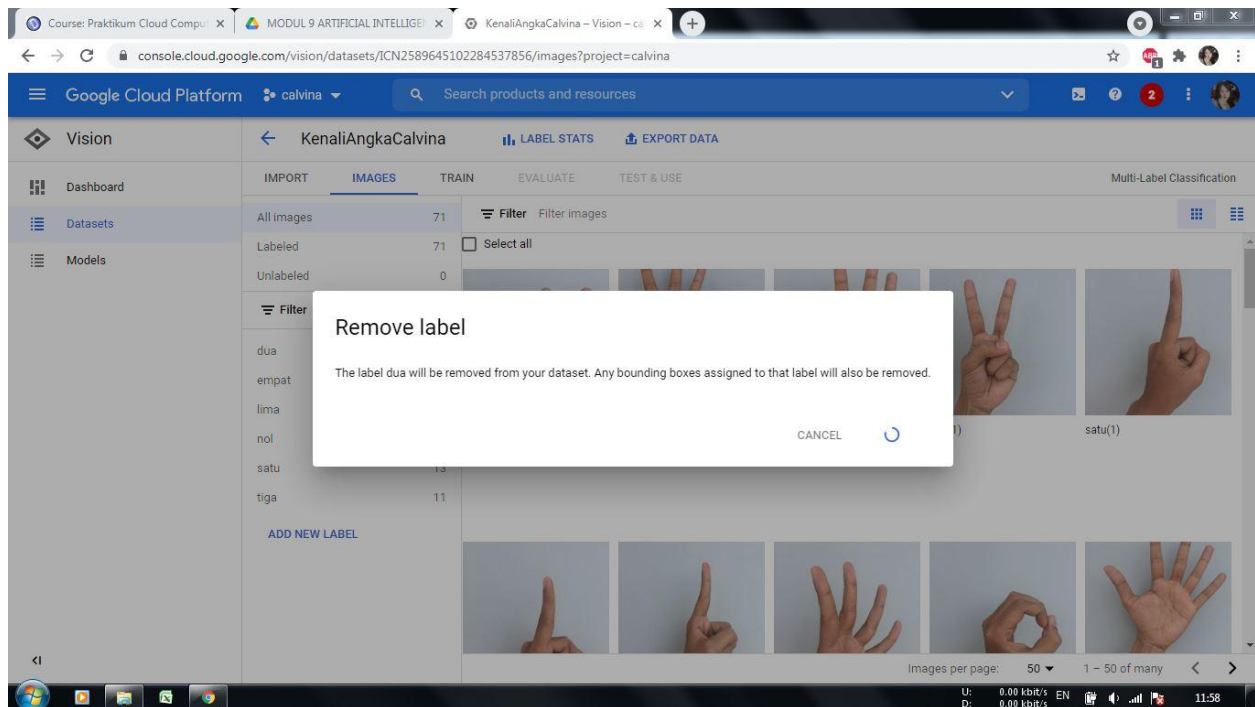
Assign more images to each label before training

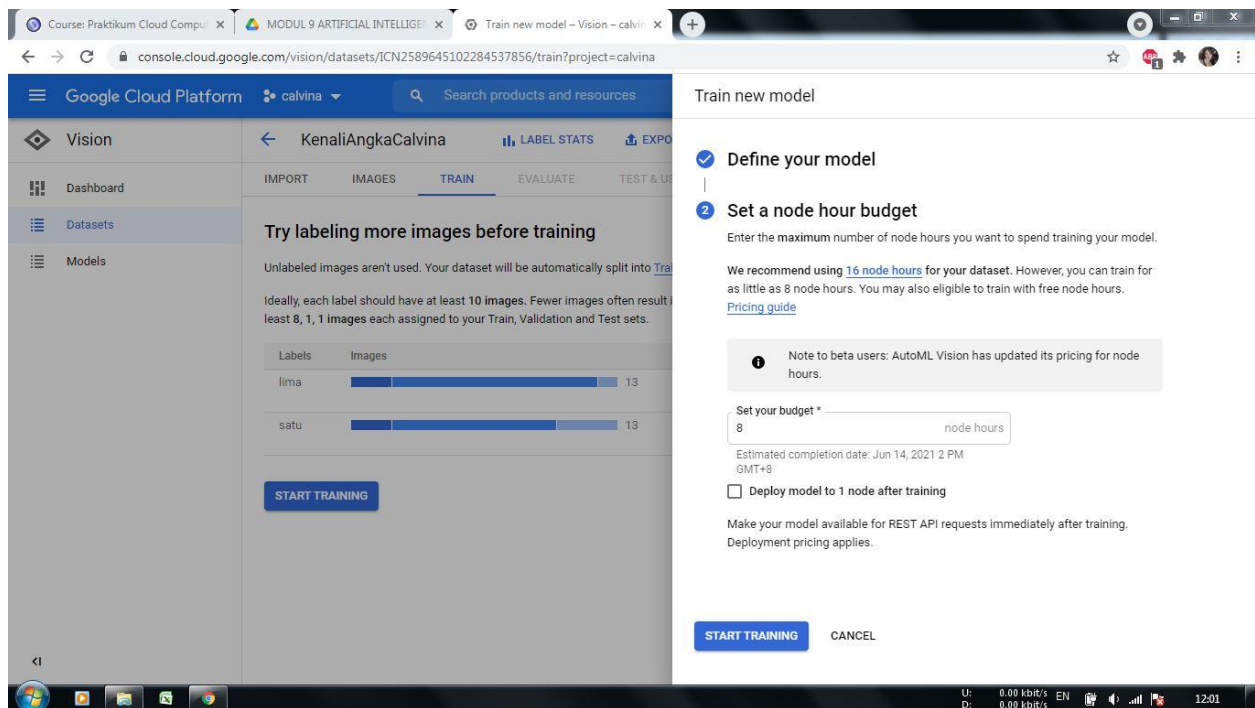
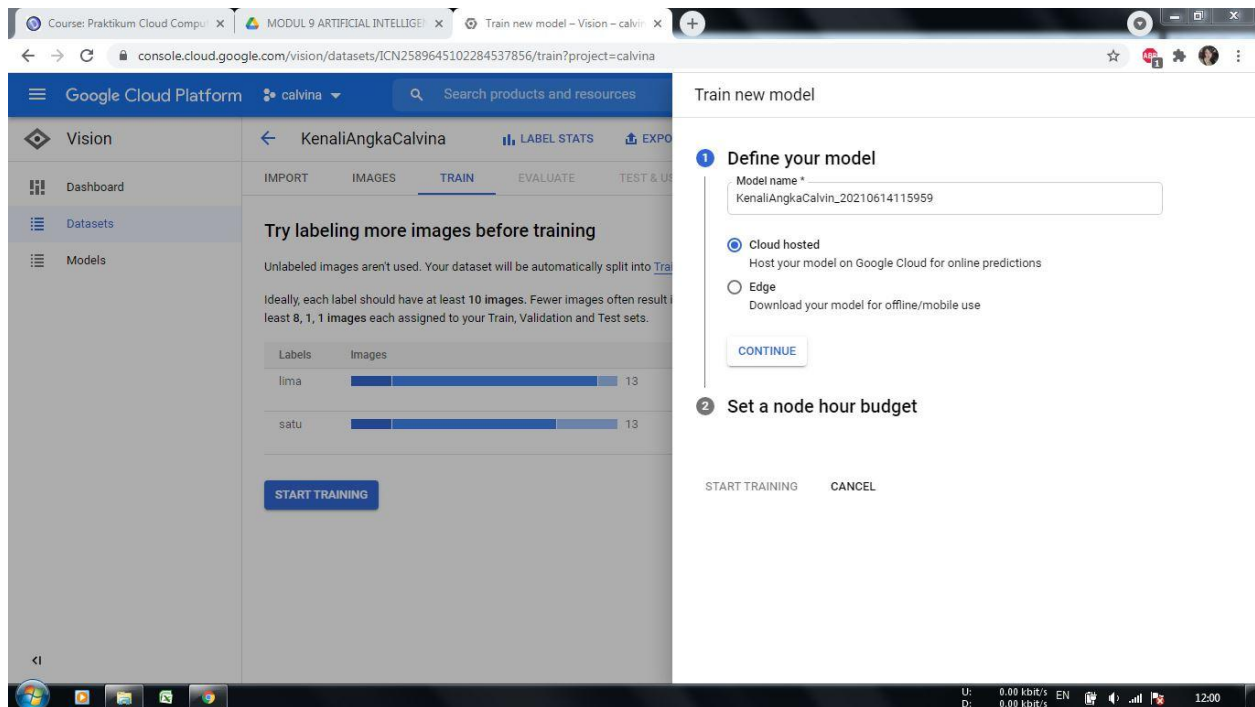
Unlabeled images aren't used. Your dataset will be automatically split into [Train, Validation, and Test sets](#).

Ideally, each label should have at least 10 images. Fewer images often result in inaccurate precision and recall. You must also have at least 8, 1, 1 images each assigned to your Train, Validation and Test sets.

Some of your labels (e.g., "dua") do not have enough images assigned to your Test sets. Import another CSV file and assign those images to those sets.

Labels	Images	Train	Validation	Test
dua	12	10	2	0
empat	11	10	0	1
nol	11	7	1	3
tiga	11	11	0	0
lima	13	10	1	2
satu	13	8	3	2







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console.cloud.google.com/vision/datasets/ICN2589645102284537856/train?project=calvina

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IMPORT IMAGES TRAIN EVALUATE TEST & USE Multi-Label Classification

### Models

[TRAIN NEW MODEL](#)

KenaliAngkaCalvin\_20210614115959



Average precision 1

Precision\* 100%

Recall\* 100%

\* Using a score threshold of 0.5

Model ID	ICN3363949228110905344
Created	Jun 15, 2021, 10:10:01 AM
Base model	None
Data	26 Images
Model type	Cloud
Train cost	8 node hours
Deployment state	Not deployed

Course: Praktikum Cloud Comput... x MODUL 9 ARTIFICIAL INTELLIGE... x KenaliAngkaCalvina - Vision - ci... x kambing - Google Penelusuran x

console.cloud.google.com/vision/datasets/ICN2589645102284537856/modelId=ICN3363949228110905344/evaluate?project=calvina

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IMPORT IMAGES TRAIN EVALUATE TEST & USE Multi-Label Classification

Model KenaliAngkaCalvin\_20210614115959 Confidence threshold 0.5

Filter Filter labels

All labels 1

lima 1

satu 1


### All labels

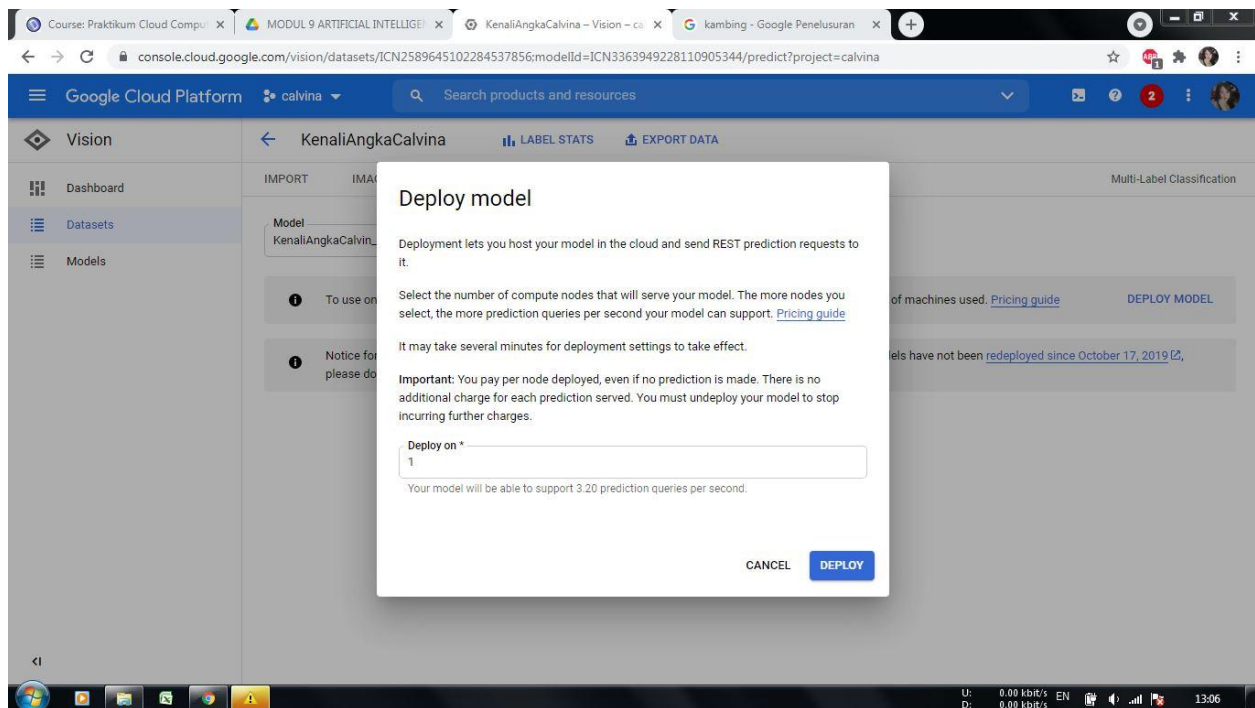
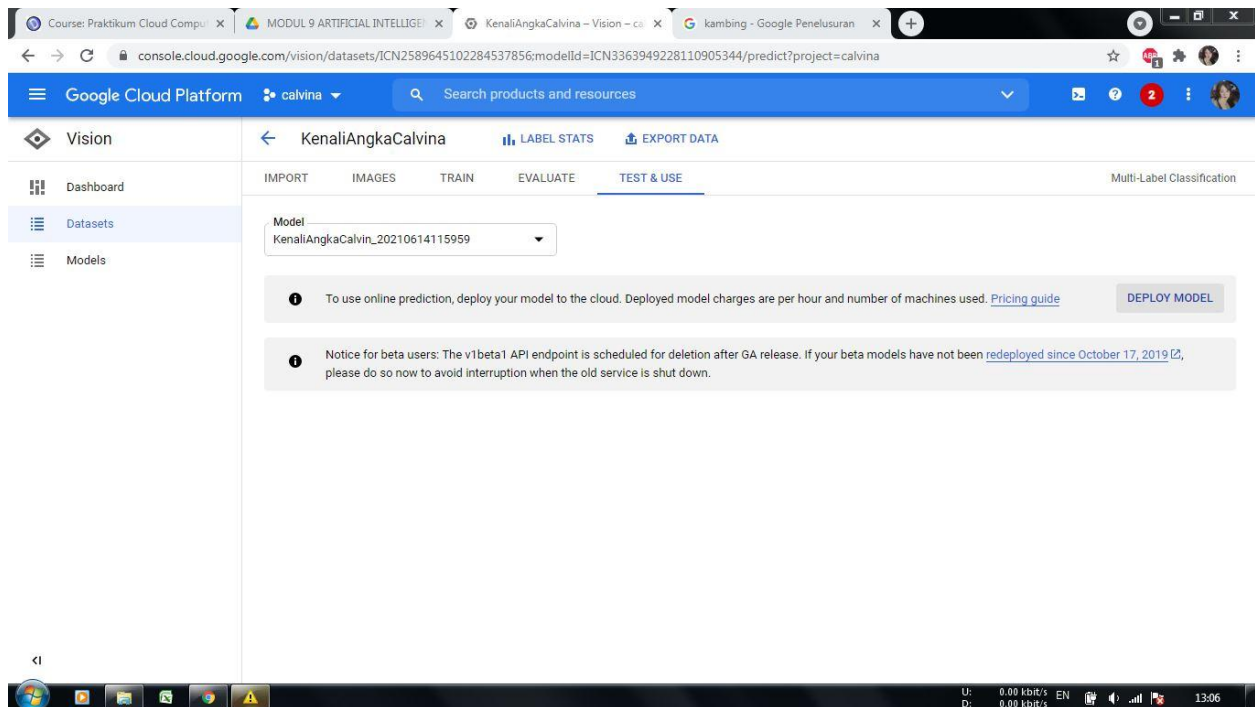
Total images	22
Test items	4
Precision	100%
Recall	100%

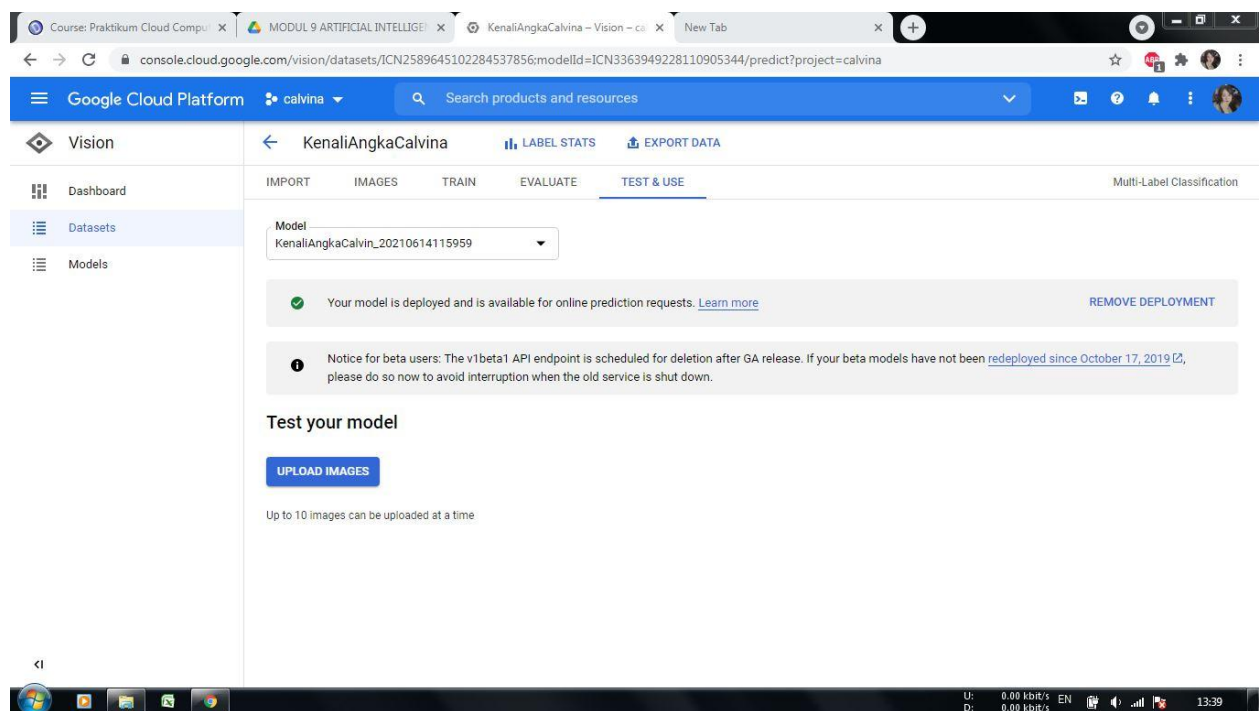
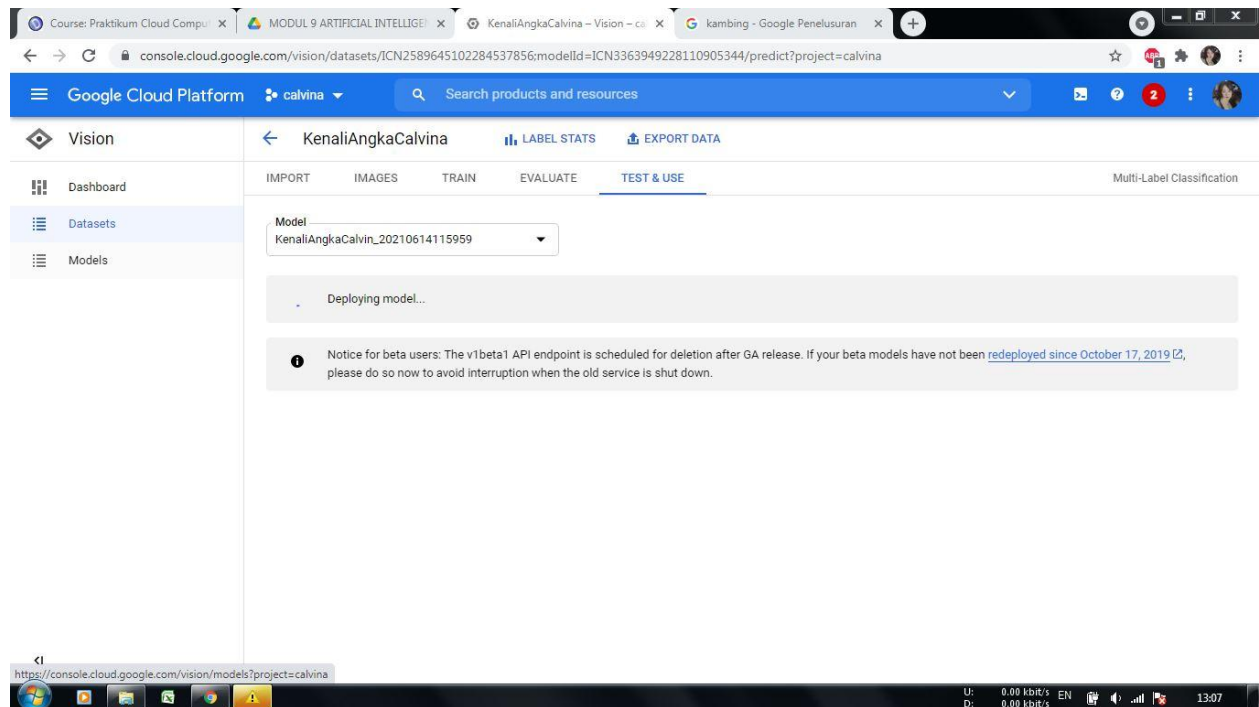
Use the slider to see which confidence threshold works best for your model on the precision-recall tradeoff curve.  
[Learn more about these metrics and graphs.](#)

### Confusion matrix

This table shows how often the model classified each label correctly (in blue), and which labels were most often confused for that label (in gray).







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console.cloud.google.com/vision/datasets/ICN2589645102284537856:modelId=ICN3363949228110905344/predict?project=calvina

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Up to 10 images can be uploaded at a time



Predictions

1 object

satu 0.926121830.93

U: 0.00 kbit/s EN D: 0.00 kbit/s 13:40


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console.cloud.google.com/vision/datasets/ICN2589645102284537856:modelId=ICN3363949228110905344/predict?project=calvina

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IMPORT IMAGES TRAIN EVALUATE TEST & USE Multi-Label Classification



Predictions

1 object

lima 0.9832039 0.98

U: 0.00 kbit/s EN D: 0.00 kbit/s 13:40

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console.cloud.google.com/vision/datasets/ICN2589645102284537856:modelId=ICN3363949228110905344/predict?project=calvina

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Dashboard Datasets Models

IMPORT IMAGES TRAIN EVALUATE TEST & USE Multi-Label Classification



Predictions

1 object

satu	0.9681026	0.97
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U: 0.00 kbit/s EN D: 0.00 kbit/s 13:41