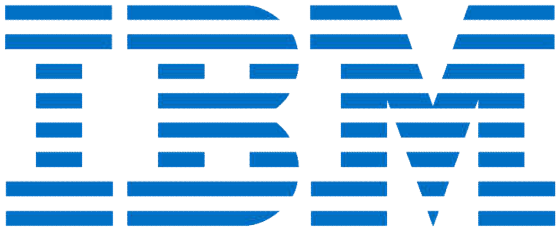


PowerAI Vision

# Training in Server In CAIRO

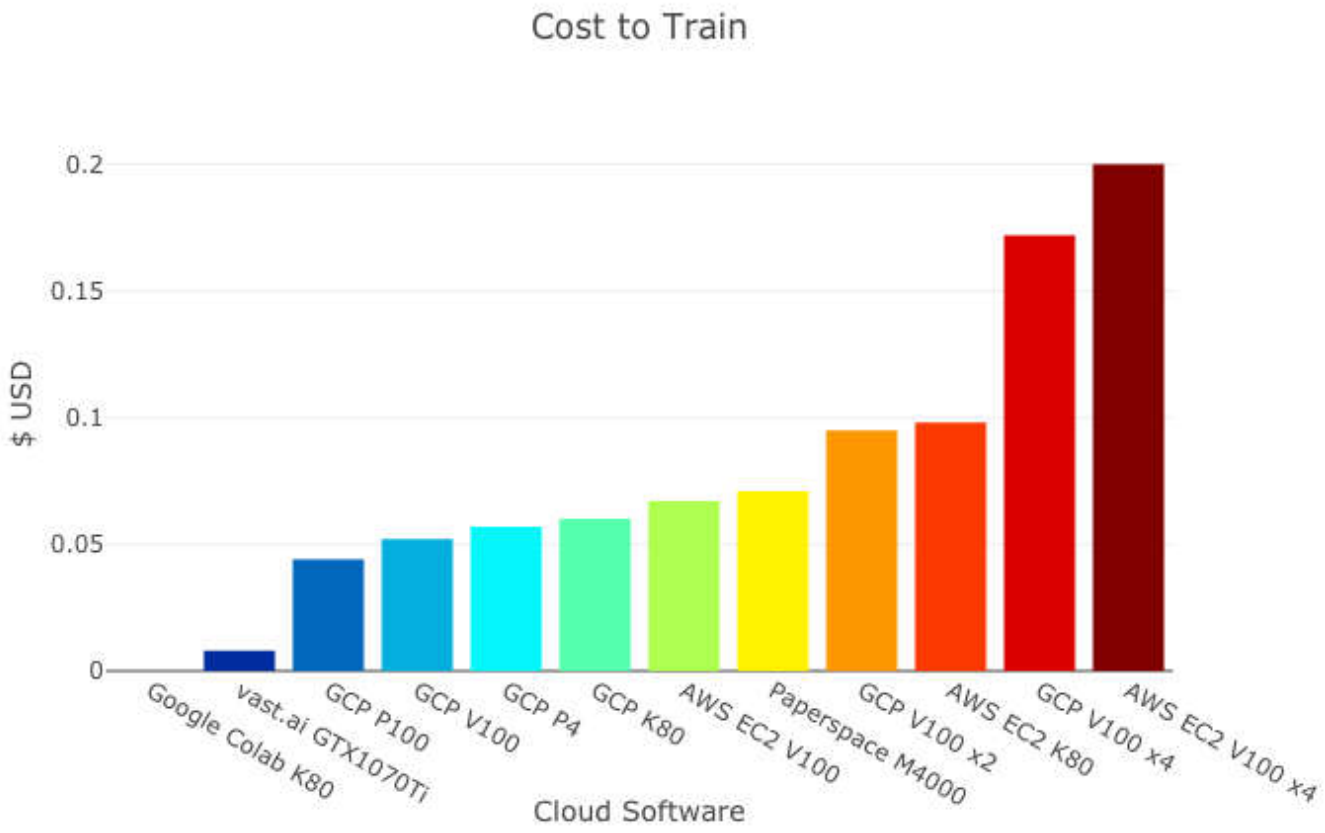
IR DR ZOOL HILMI ISMAIL & INNOKAI TEAM

# CLOUP GPU TRAINING

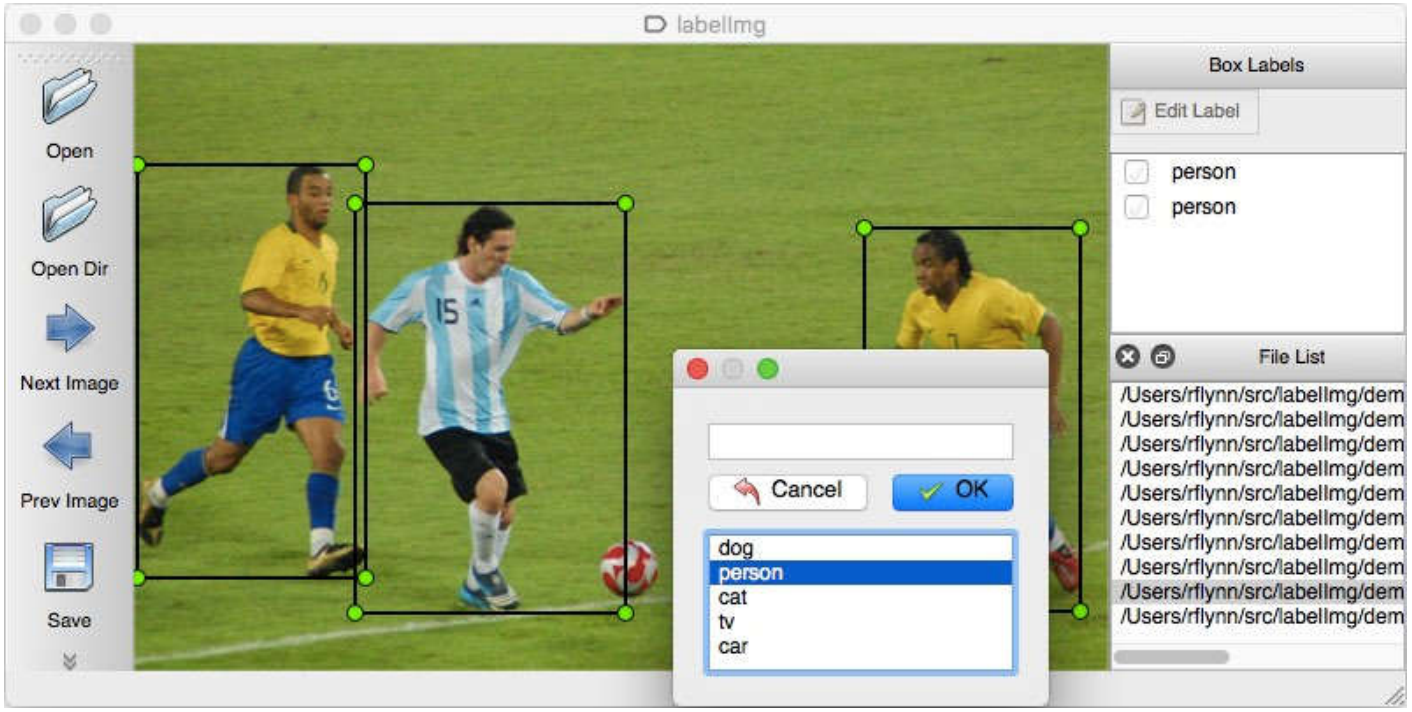
**Google Colab**

Google Cloud

**AWS**



# Labelling




https://tzutalin.github.io/labelImg/

## Hotkeys

| | |
|---|---|
| Ctrl + u | Load all of the images from a directory |
| Ctrl + r | Change the default annotation target dir |
| Ctrl + s | Save |
| Ctrl + d | Copy the current label and rect box |
| Space | Flag the current image as verified |
| w | Create a rect box |
| d | Next image |
| a | Previous image |
| del | Delete the selected rect box |
| Ctrl++ | Zoom in |
| Ctrl-- | Zoom out |
| ↑→↓← | Keyboard arrows to move selected rect box |

LET’S START LABELING

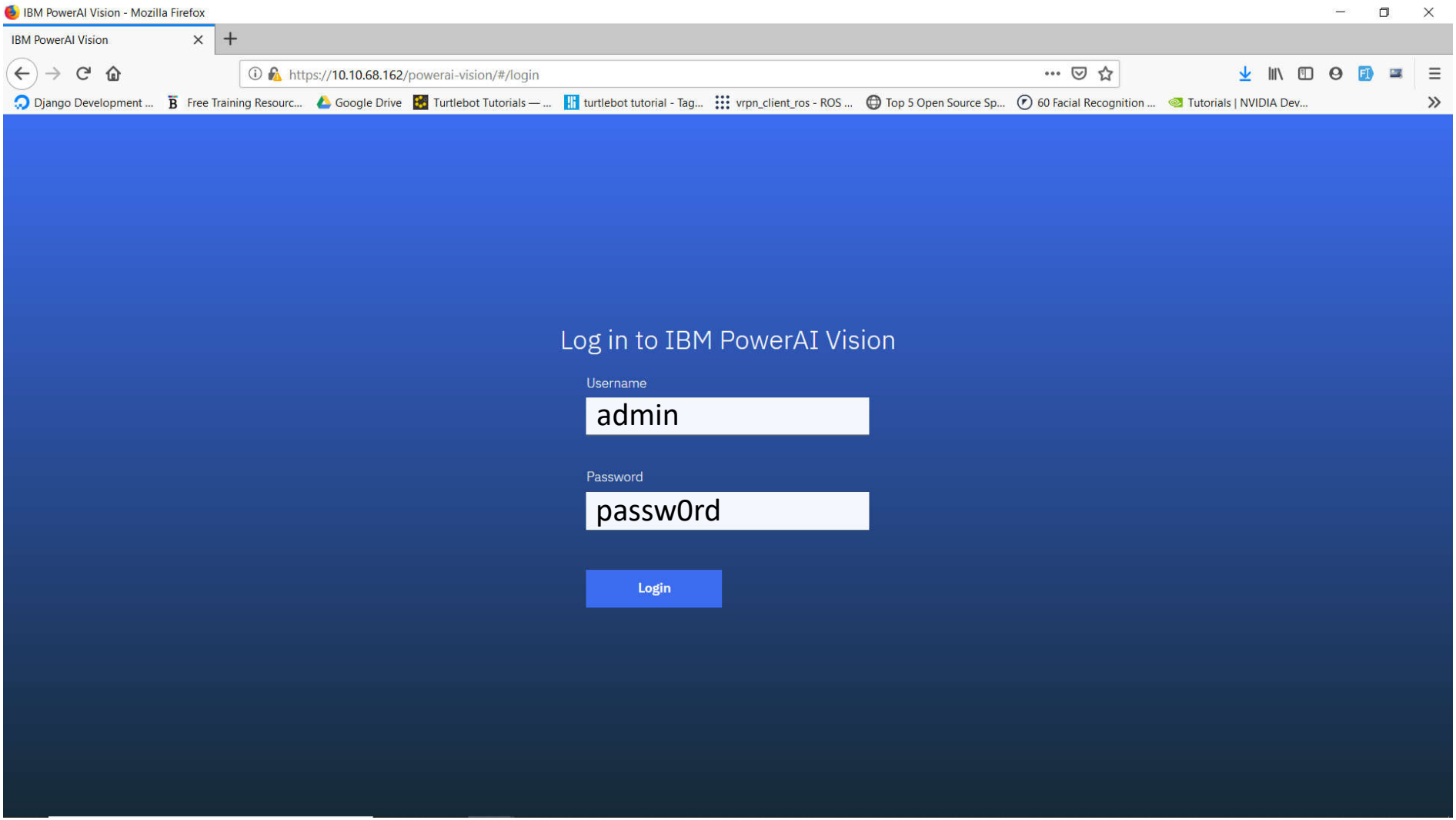
https://raw.githubusercontent.com/innokaiclub/GPU/master/stopsign.zip

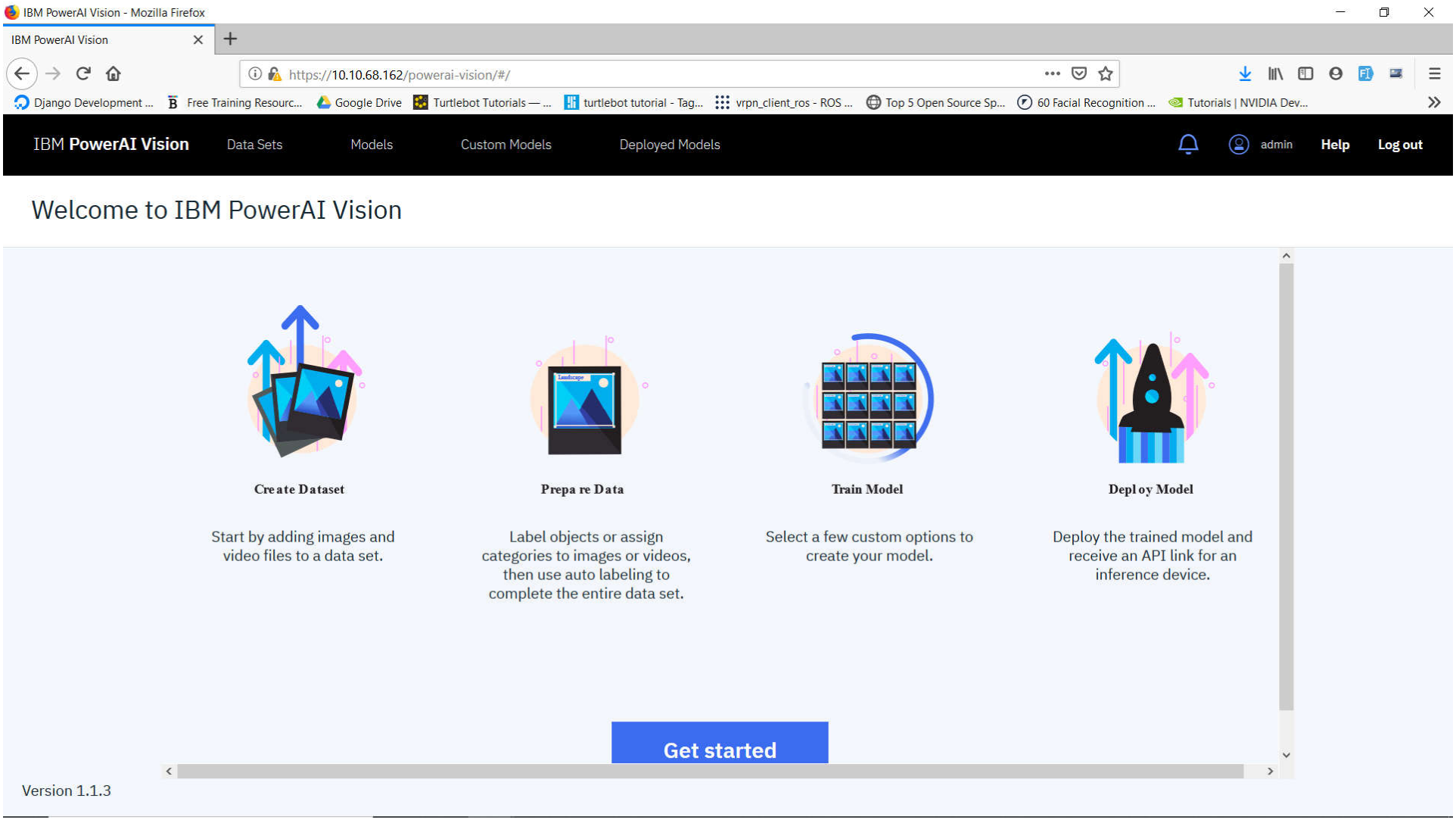
# Compress all files (images and xml file) into a zip file

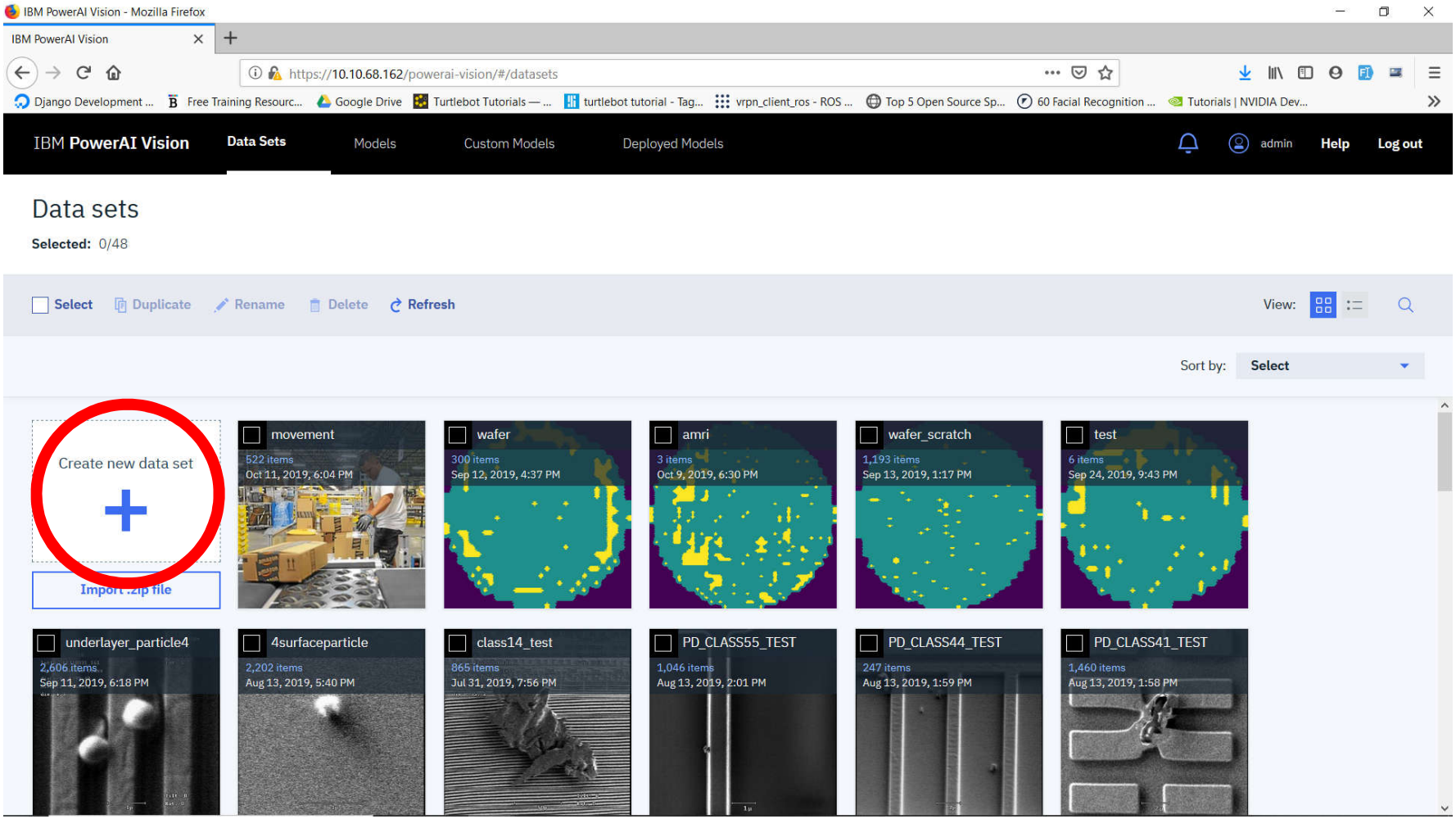
https://10.10.68.162/powerai-vision/

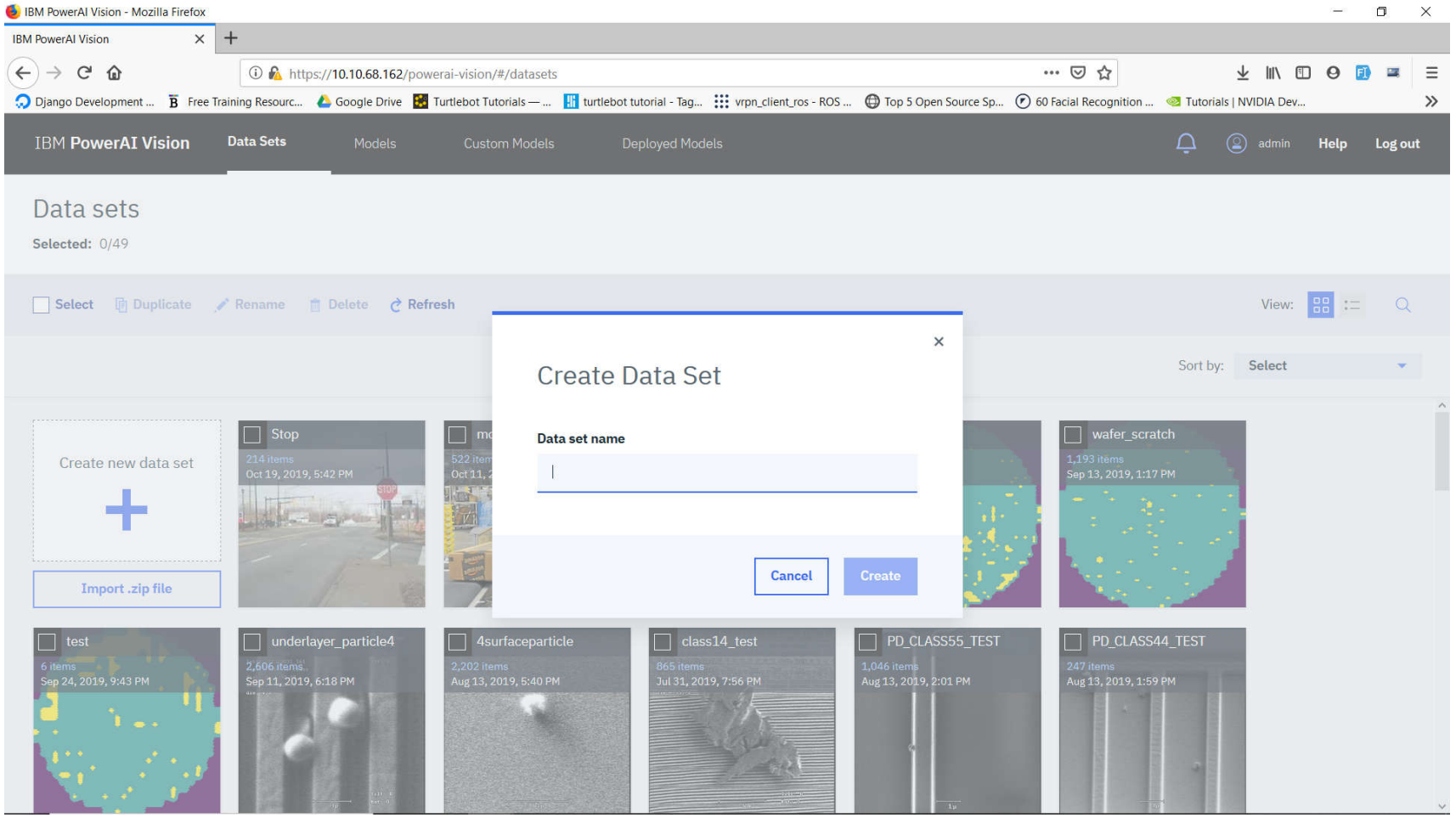
*Important – only training process at one time

*Must connect with UTM related Wifi


IBM PowerAI Vision - Mozilla Firefox
IBM PowerAI Vision
https://10.10.68.162/powerai-vision/#/login
Django Development ...
Free Training Resourc...
Google Drive
Turtlebot Tutorials — ...
turtlebot tutorial - Tag...
vrpn_client_ros - ROS ...
Top 5 Open Source Sp...
60 Facial Recognition ...
Tutorials | NVIDIA Dev...
Log in to IBM PowerAI Vision
Username
admin
Password
passw0rd
Login

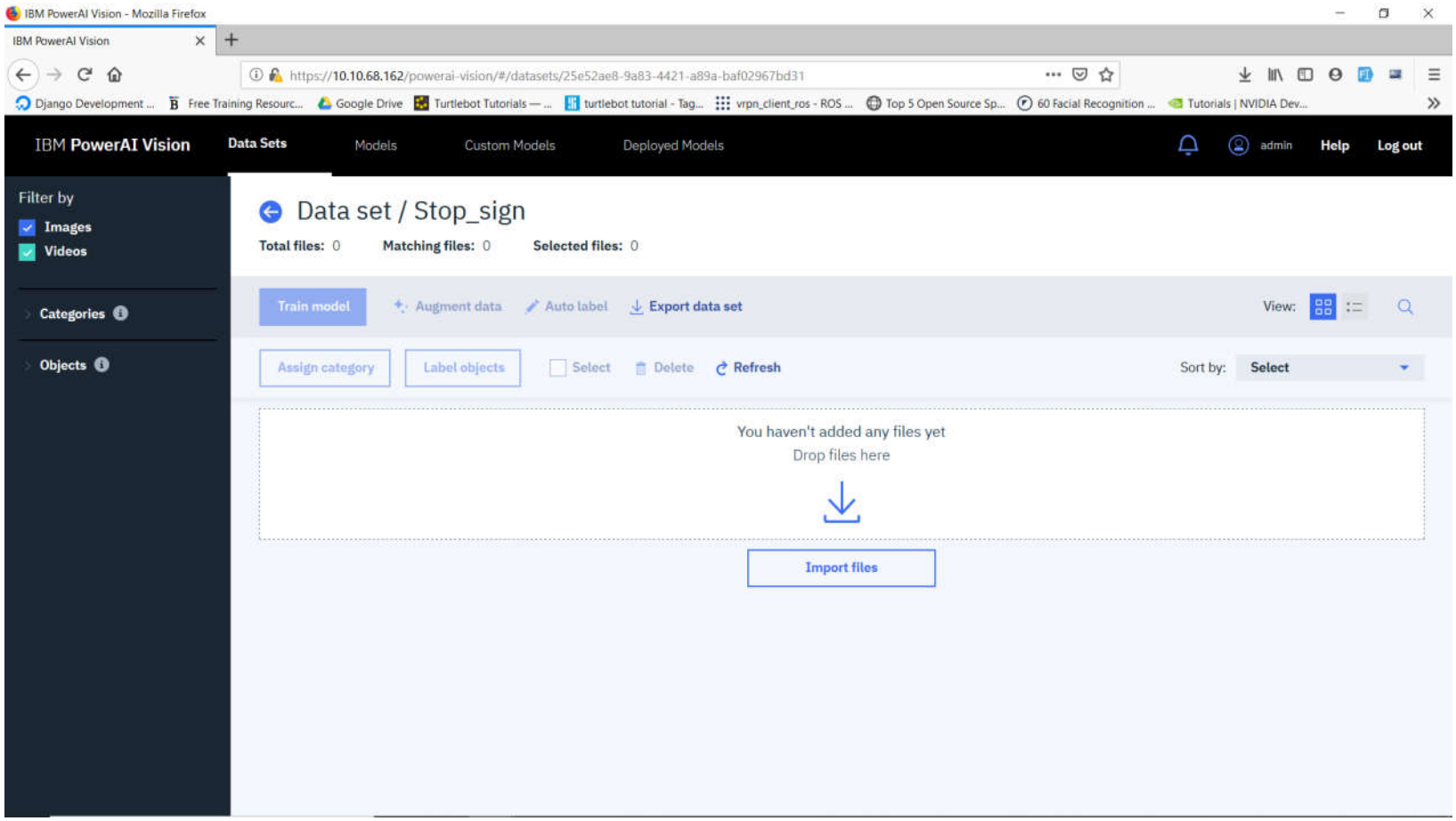

IBM PowerAI Vision - Mozilla Firefox
IBM PowerAI Vision
https://10.10.68.162/powerai-vision/#/
Django Development ...
Free Training Resourc...
Google Drive
Turtlebot Tutorials — ...
turtlebot tutorial - Tag...
vrpn_client_ros - ROS ...
Top 5 Open Source Sp...
60 Facial Recognition ...
Tutorials | NVIDIA Dev...
IBM PowerAI Vision
Data Sets
Models
Custom Models
Deployed Models
admin
Help
Log out
Welcome to IBM PowerAI Vision
Create Dataset
Start by adding images and video files to a data set.
Prepare Data
Label objects or assign categories to images or videos, then use auto labeling to complete the entire data set.
Train Model
Select a few custom options to create your model.
Deploy Model
Deploy the trained model and receive an API link for an inference device.
Get started
Version 1.1.3


IBM PowerAI Vision - Mozilla Firefox
IBM PowerAI Vision
https://10.10.68.162/powerai-vision/#/datasets
IBM PowerAI Vision
Data Sets
Models
Custom Models
Deployed Models
admin
Help
Log out
Data sets
Selected: 0/48
Select
Duplicate
Rename
Delete
Refresh
View:
Sort by:
Select
Create new data set
Import .zip file
movement
522 items
Oct 11, 2019, 6:04 PM
wafer
300 items
Sep 12, 2019, 4:37 PM
amri
3 items
Oct 9, 2019, 6:30 PM
wafer_scratch
1,193 items
Sep 13, 2019, 1:17 PM
test
6 items
Sep 24, 2019, 9:43 PM
underlayer_particle4
2,606 items
Sep 11, 2019, 6:18 PM
4surfaceparticle
2,202 items
Aug 13, 2019, 5:40 PM
class14_test
865 items
Jul 31, 2019, 7:56 PM
PD_CLASS55_TEST
1,046 items
Aug 13, 2019, 2:01 PM
PD_CLASS44_TEST
247 items
Aug 13, 2019, 1:59 PM
PD_CLASS41_TEST
1,460 items
Aug 13, 2019, 1:58 PM




Put your own dataset name e.g. Stop_sign

# Upload the zip file and click Train Model



# Check which GPU is being used