How to run the project- Animal Detection

1. Download complete project repository:

Link:

Note: Make sure you are running the entire folder in local disk C: directory to get good speed due to SSD.

For GCP: Anything is fine.

1. Navigate to the folder C:\tensorflow\models\research in anaconda prompt/cmd/ any python env is fine.

This is how my folder structure is looking in Local Disk C

Graphical user interface, text, application

Description automatically generated

1. Now open the same folder in prompt/ cmd window

Navigate to the directory as shown below

A picture containing text

Description automatically generated

1. Create & setup python env using below command

Conda create -n animalproject

Conda activate animalproject

Conda install python=3.7

1. Install required packages by using below command

pip install -r requirements.txt

1. I already have created & installed the required packages

Text

Description automatically generated

1. Installing tensorflow repository with our custom object detection model of animal detection project by using below command

Python setup.py install

Text

Description automatically generated

Text

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1. Now, navigate to flask server where our model is running with the above setup

Cd C:\tensorflow\models\research\object\_detection\pandas-main\pandas-main\src

1. Run the flask server by using below command. Copy the server urln& open in browser

Text

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Graphical user interface, text, application

Description automatically generated

Upload image & get result.

A cheetah in a field

Description automatically generated with medium confidence

<https://github.com/tabet-f/Image2Recipes-using-Tensorflow-Object-Detection-API/blob/master/webapp.py>

