

Compile protos.

```
protoc object_detection/protos/*.proto --python_out=.
# Install TensorFlow Object Detection API.
cp object_detection/packages/tf2/setup.py .
python -m pip install --use-feature=2020-resolver .

# Test the installation.
python object_detection/builders/model_builder_tf2_test.py
```

Quick Start

Colabs

- Training Fine-tune a pre-trained detector in eager mode on custom data
- Inference Run inference with models from the zoo
- Few Shot Learning for Mobile Inference Fine-tune a pre-trained detector for use with TensorFlow Lite

Training and Evaluation

To train and evaluate your models either locally or on Google Cloud see instructions.

Model Zoo

We provide a large collection of models that are trained on COCO 2017 in the Model Zoo.

Guides

- Configuring an object detection pipeline
- Preparing inputs
- Defining your own model architecture
- Bringing in your own dataset
- Supported object detection evaluation protocols
- TPU compatible detection pipelines
- Training and evaluation guide (CPU, GPU, or TPU)