twml\_sources = [

"twml/\*\*/\*.py",

]

twml\_deps = [

"3rdparty/python/cherrypy:default",

"3rdparty/python/pyyaml:default",

"3rdparty/python/absl-py:default",

"3rdparty/python/joblib:default",

"3rdparty/python/kazoo:default",

"3rdparty/python/python-dateutil:default",

"3rdparty/python/pytz:default",

"cortex/ml-metastore/src/main/python/com/twitter/mlmetastore/modelrepo/client",

"src/python/twitter/common/app",

"src/python/twitter/common/app/modules:vars",

"src/python/twitter/common/metrics",

"src/python/twitter/deepbird/compat/v1/optimizers",

"src/python/twitter/deepbird/compat/v1/rnn",

"src/python/twitter/deepbird/hparam",

"src/python/twitter/deepbird/io",

"src/python/twitter/deepbird/io/legacy",

"src/python/twitter/deepbird/logging",

"src/python/twitter/deepbird/sparse",

"src/python/twitter/deepbird/stats\_server",

"src/python/twitter/deepbird/util:simple-data-record-handler",

"src/python/twitter/deepbird/util/hashing",

"src/python/twitter/ml/api/dal",

"src/python/twitter/ml/common:metrics",

"src/python/twitter/ml/common/kubernetes",

"src/python/twitter/ml/common:resources",

"src/python/twitter/ml/twml/kubernetes",

"src/python/twitter/ml/twml:status",

"src/thrift/com/twitter/dal:dal\_no\_constants-python",

"src/thrift/com/twitter/statebird:compiled-v2-python",

]

python3\_library(

name = "twml-test-common-deps",

tags = ["no-mypy"],

dependencies = [

"src/python/twitter/deepbird/util:inference",

"src/python/twitter/deepbird/util/data",

"src/thrift/com/twitter/ml/api:data-python",

"twml/tests/data:resources",

],

)

python3\_library(

name = "twml\_packer\_deps\_no\_tf",

tags = [

"bazel-compatible",

"no-mypy",

],

dependencies = [

"3rdparty/python/numpy:default",

"3rdparty/python/pandas:default",

"3rdparty/python/pyyaml:default",

"3rdparty/python/requests:default",

"3rdparty/python/scikit-learn:default",

"3rdparty/python/scipy:default",

"3rdparty/python/tensorflow-hub:default",

"3rdparty/python/thriftpy2:default",

],

)

python3\_library(

name = "twml\_packer\_deps\_no\_tf\_py3",

tags = [

"known-to-fail-jira:CX-20246",

"no-mypy",

],

dependencies = [

":twml\_packer\_deps\_no\_tf",

"3rdparty/python/tensorflow-model-analysis",

],

)

alias(

name = "twml-test-shared",

target = ":twml\_common",

)

python3\_library(

name = "twml\_common",

sources = ["twml\_common/\*\*/\*.py"],

tags = [

"bazel-compatible",

"no-mypy",

],

)

# Alias twml-dev to twml to avoid breaking user targets.

alias(

name = "twml-dev",

target = "twml",

)

python3\_library(

name = "twml-test-dev-deps",

tags = [

"bazel-compatible",

"no-mypy",

],

dependencies = [

":twml",

":twml-test-common-deps",

":twml-test-shared",

"3rdparty/python/freezegun:default",

"src/python/twitter/deepbird/keras/layers",

"src/thrift/com/twitter/ml/api:data-python",

"src/thrift/com/twitter/ml/prediction\_service:prediction\_service-python",

],

)

python3\_library(

name = "twml-dev-python",

sources = twml\_sources,

tags = [

"bazel-compatible",

"no-mypy",

],

dependencies = twml\_deps + [

":twml\_packer\_deps\_no\_tf",

"3rdparty/python/tensorflow",

"3rdparty/python/twml:libtwml-universal",

"twml/libtwml:libtwml-python",

],

)

# Build a smaller .pex file that models can depend on.

# Tensorflow and other dependencies are downloaded from Packer on Aurora.

# Note: This gets the C++ ops through 3rdparty artifacts.

python3\_library(

name = "twml-nodeps",

sources = twml\_sources,

tags = [

"bazel-compatible",

"no-mypy",

],

dependencies = twml\_deps + [

"3rdparty/python/twml:libtwml-universal",

],

)

python3\_library(

name = "twml",

tags = [

"bazel-compatible",

"no-mypy",

],

dependencies = [

":twml-nodeps",

":twml\_packer\_deps\_no\_tf",

"3rdparty/python/tensorflow",

],

)

python37\_binary(

name = "tensorboard",

source = "twml/tensorboard/\_\_main\_\_.py",

dependencies = [

"3rdparty/python/\_closures/twml:tensorboard",

"3rdparty/python/tensorflow",

],

)

python37\_binary(

name = "saved\_model\_cli",

source = "twml/saved\_model\_cli/\_\_main\_\_.py",

dependencies = [

"3rdparty/python/\_closures/twml:saved\_model\_cli",

"3rdparty/python/tensorflow",

],

)

# This target is added so twml can be used regardless of the Tensorflow version:

# This target does not pull in TensorFlow 1.x or the related libtwml compiled using TF 1.x.

python3\_library(

name = "twml-py-source-only",

sources = twml\_sources,

tags = [

"known-to-fail-jira:CX-23416",

"no-mypy",

],

dependencies = twml\_deps,

)