PyTorch

android: Environment

aten

ATen

core, cpu, cuda, cudnn, miopen, mkl, nnapi: Environment

native: Operation implementation

quantized: Graph Level Implementation

other file: General Utility Implementation

TH: General Utility Implementation

c10:

core: General Utility Implementation

cuda: Environment

macros: Environment

mobile: Environment

util: General Utility Implementation

ios: Environment

torch

autograd: User-Level API

backends: Environment

cpu: General Utility Implementation

csrc:

cuda: Environment

distributed: Graph-Level Implementation

distribution, fft: General Utility Implementation

futures: Graph-Level Implementation

fx: User-Level API

lib, linalg: General Utility Implementation

multiprocessing: Graph-Level Implementation

optim: User-Level API

package: General-Utility Implementation

profiler: User-Level API

quantization: Graph-Level Implementation

sparse: General Utility Implementation

tools: General Utility Implementation

TensorFlow

core

api\_def: Operation Implementation

common\_runtime, distributed\_runtime: Graph-Level Implementation

data: General Utility Implementation

framework:

graph: Graph-Level Implementation

grappler: Graph-Level Implementation

kernels:

lib: General Utility Implementation

nccl: Environment

ops, user\_ops: Operation Implementation

platform: environment

profiler: User-Level API

protobuf: General Utility Implementation

tfrt: Graph-Level Implementation

tpu: Environment

stream executor: General Utility Implementation

python, Java, js, go, cc: Uesr-Level API

P.S. frameworks and kernels contain the core functionality of Tensoflow, so we read files and classify them with the functionality in the labeling process.

MXNet

Include:

mxnet

ir: Graph-Level Implementation

node: Graph-Level Implementation

runtime Graph-Level Implementation

base.h Environment

engine.h graph: Graph-Level Implementation

imperative.h: Graph-Level Implementation

io: Environment

kvstore.h: General Utility Implementation

ndarray.h: General Utility Implementation

operaor.h: General Utility Implementation

random generator: General Utility Implementation

python

mxnet: User-Level API

src

api

api internal: General Utility Implementation

operator Operation Implementation

c\_api

c\_api.cc

c\_api\_common.h

c\_api\_function.cc Graph-Level Implementation

c\_api\_ndarray.cc General Utility Implementation

c\_api\_profile.cc General Utlity Implementation

c\_api\_symbolic.cc Graph-Level Implementation

common: General Utility Implementation

engine: Graph-Level Implementation

imperative: Graph-Level Implementation

io: Environment

ir: Graph-Level Implementation

kvstore: General Utility Implementation

ndarray ：General Utility Implementation

nnvm：Graph-Level Implementation

operator: Operation Implementation

optimizer: Graph-Level Implementation

profier: General Utility Implementation

runtime: Graph-Level Implementation

serialization: Graph-Level Implementation

storage: Environment

tools: General Utility Implementation

Deeplearning4J

Datavec: User-Level API

Libnd4J: General Utility Implementation

ND4J

backends: General Utility Implementaiton

common: General Utility Implementaiton

onnxruntime: Graph-Level Implementation

parameter-server-parent: Environment

tensorflow: Graph-Level Implementation

tvm: Graph-Level Implementation

samediff: Graph-Level Implementation

DL4J

common

data

graph: (shabi) General Utility Implementation

modelimport: User-Level API

nlp-parent: User-Level API

nn:

earlystopping, eval, exception, gradient-check: Graph-Level Implementation

nn:

adapters: Operation Implementation

api: Operation Implementation

conf: General Utility Implementation

gradient: General Utility Implementation

graph: Graph-Level Implementation

layer: Operation Implementation

multilayer: Graph-Level Implementation

params: General Utility Implementation

trasferlearning: Graph-Level Implementation

updator: Graph-Level Implementation

weights: General Utility Implementation

optimize: Graph-Level Implementation

preprocessor: User-Level API

Python4j: User-Level API