

caffe/ps/src/petuum_ps_common/oplog

noncopyable 是 C++ 的 boost 库

```
class AbstractAppendOnlyBuffer : boost::noncopyable
class AbstractRowOpLog : boost::noncopyable {
class BatchIncAppendOnlyBuffer : public AbstractAppendOnlyBuffer
class BufferPool : boost::noncopyable
class DenseAppendOnlyBuffer : public AbstractAppendOnlyBuffer
class DenseRowOpLog : public virtual AbstractRowOpLog
class DenseRowOpLogFloat16 : public virtual AbstractRowOpLog
class IncAppendOnlyBuffer : public AbstractAppendOnlyBuffer
class SparseRowOpLog : public virtual AbstractRowOpLog
class SparseVectorRowOpLog : public virtual AbstractRowOpLog
class VersionDenseRowOpLog : public virtual AbstractRowOpLog
```

caffe/ps/src/petuum_ps_common/include

```
class AbstractRow : boost::noncopyable
class AbstractServerTableLogic
class PSTableGroup
class ProcessStorage
class RowAccessor : boost::noncopyable
class ThreadRowAccessor : boost::noncopyable
class UpdateBatch
class DenseUpdateBatch
class Table
struct RowOpLogType
struct TableGroupConfig
struct TableInfo
struct ClientTableConfig
struct HostInfo
```

caffe/ps/src/petuum_ps_common/thread

```
class MemTransfer
class MsgTracker : boost::noncopyable
struct MsgBase : boost::noncopyable
struct NumberedMsg : public MsgBase
struct ArbitrarySizedMsg : public NumberedMsg
struct MemTransferMsg : public NumberedMsg
struct MsgTrackerInfo : boost::noncopyable
```

caffe/ps/src/petuum_ps_common/util

```
class SharedMutex : public Lockable
class RecursiveSharedMutex: public SharedMutex
class SpinMutex : public Lockable
class Unlocker : boost::noncopyable
class HighResolutionTimer
class ClassRegistry
class MaxVectorClock
class MemBlock : boost::noncopyable
class MPMCQueue : boost::noncopyable
class MTQueue
class RecordBuff : boost::noncopyable
class SparseVector : boost::noncopyable
class SparseVectorMgr : boost::noncopyable
class Stats
class StripedLock : boost::noncopyable
class Thread
class ThreadGroup
class NanoTimer
class VectorClock
class VectorClockMT : public VectorClock, boost::noncopyable
class Lockable
struct AppThreadPerTableStats
struct AppThreadStats
struct BgThreadStats ( 内部类 struct OpLogReadStats )

struct OpLogReadStats
struct ServerLogicStats
struct ServerThreadStats
struct NameNodeThreadStats
```