# Complete Class Diagram

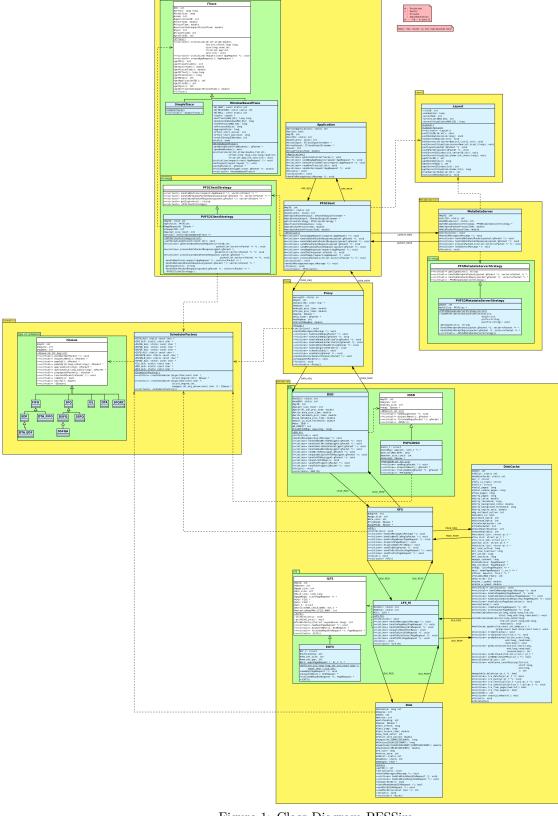


Figure 1: Class Diagram PFSSim

#### Class Diagram Client Package

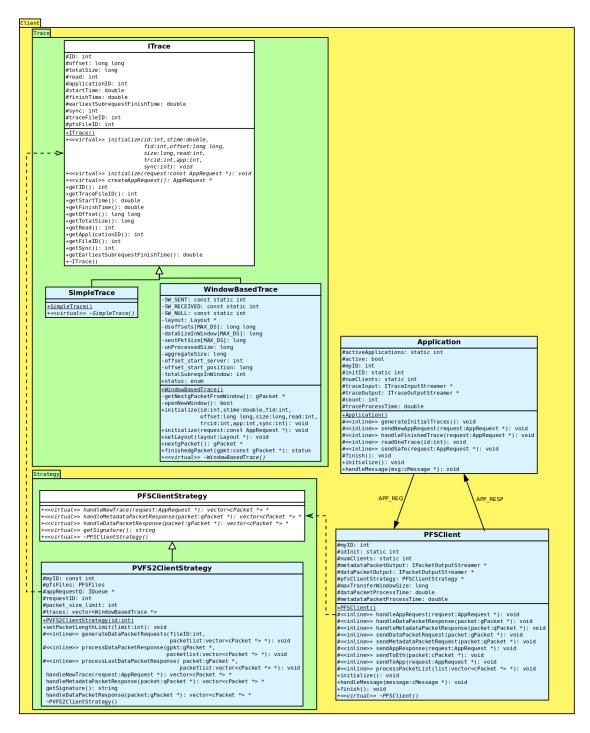


Figure 2: Class Diagram PFSSim Package Client

# Class Diagram Data Server Package

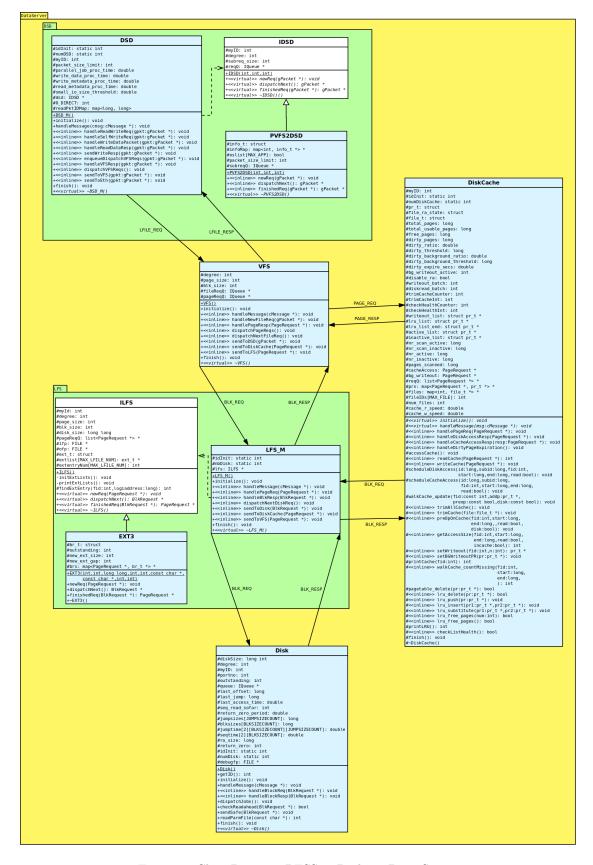


Figure 3: Class Diagram PFSSim Package Data Server

# Class Diagram MetaData Server Package

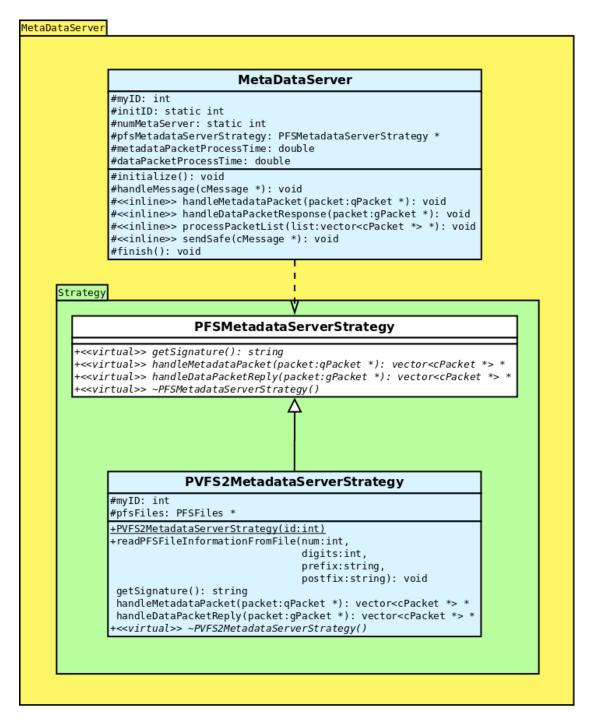


Figure 4: Class Diagram PFSSim Package MetaData Server

#### Class Diagram Layout Package

```
Layout
                        Layout
-fileID: int
-windowSize: long
-serverNum: int
-serverList[MAX DS]: int
-serverStripeSizes[MAX_DS]: long
+Layout()
+Layout(fid:int)
+<<virtual>> ~Layout()
+setFileID(id:int): void
+setWindowSize(size:long): void
+setServerNum(num:int): void
+setServerList(serverNum:int,list[]:int): void
+setServerStripeSizes(serverNum:int,size[]:long): void
+setLayout(packet:qPacket *): void
+setqPacket(packet:qPacket *): void
+setServerID(index:int,serverID:int): void
+setServerStripeSize(index:int,share:long): void
+getFileID(): int
+getWindowSize(): long
+getServerNum(): int
+getServerID(index:int): int
+getServerStripeSize(index:int): long
+findServerIndex(id:int): int
+calculateWindowSize(): void
```

Figure 5: Class Diagram PFSSim Package Layout

#### Class Diagram Proxy Package

```
Proxy
                          Proxy
   #proxyID: static in
   #myID: int
   #algorithm: const char *
   #degree: int
   #newjob_proc_time: double
   #finjob proc time: double
  #queue: IQueue *
   #alg_timer: gPacket *
   #osReqNum: int
   #totalOSReqNum: double
   +Proxy()
   +initialize(): void
   +handleMessage(cMessage *): void
   +<<inline>> handleJobReq(gPacket *): void
   +<<inline>> handleJobReg2(gPacket *): void
   +<<inline>> handleReadLastWriteFin(gPacket *): void
   +<<inline>> handleReadLastWriteFin2(gPacket *): void
   +<<inline>> handleMinorReadWrite(gPacket *): void
   +<<inline>> handleAlgorithmTimer(): void
   +<<inline>> scheduleJobs(): void
   +<<inline>> sendSafe(gPacket *): void
   +handleInterSchedulerPacket(sPacket *): void
   +propagateSPackets(): void
   +finish(): void
   +<<virtual>> ~Proxy()
```

Figure 6: Class Diagram PFSSim Package Proxy

### Class Diagram Scheduler Package

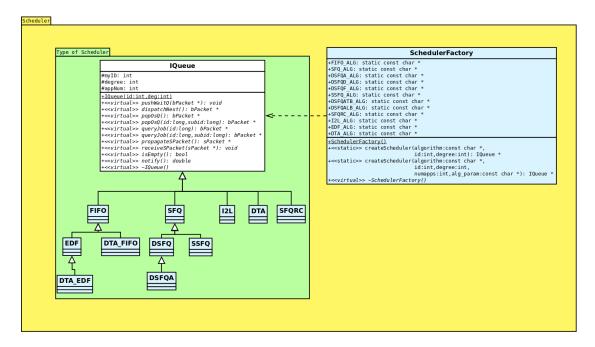


Figure 7: Class Diagram PFSSim Package Schedulers