## **JobInProgress**

JobInProgress // All information should be exported to monitor system. Path jobFile; Path localJobFile; Path localJarFile; LocalFileSystem localFs; // need higher level abstraction. decoupled from particular fs. int restartCount; // not use. long startTime; long launchTime;// not use. long finishTime; int maxTaskAttempts; String jobName; BSPJobID jobId; BSPMaster master;//only store job info. TaskInProgress tasks[]; // will be replaced by o.a.h.b.v2.Task where stores a task to groom relation. long superstepCounter; Counters counters; //See Counters In Action int numBSPTasks; int clusterSize;// not use String jobSplit; // dir where files are split. String master; // newly added, indicting which master currently deals with this job. // job to master relation is many to one Path inputPath; // newly added. input dir. should be the same as jobSplit. **JobProifile** String user BSPJobID jobid// redundant. String jobFile// redundant. String jobName// redundant. **JobStatus** BSPJobID jobid; long progress; // % of bsp() long cleanupProgress; // % of cleanup() long setupProgress;// % of setup() State state;// runState in enum int runState; // redundant. long startTime;// redundant. String schedulingInfo = "NA"; // not use String user; // redundant. long superstepCount;// redudant to superstepCounter.

int tasks;// can be calculated.

String name; // not use

long finishTime; // redundant.

Counters counter;// redundant.