

LTS

LTS ANALYSE

JobTracker start flow

TaskTracker start flow

Job Client start flow

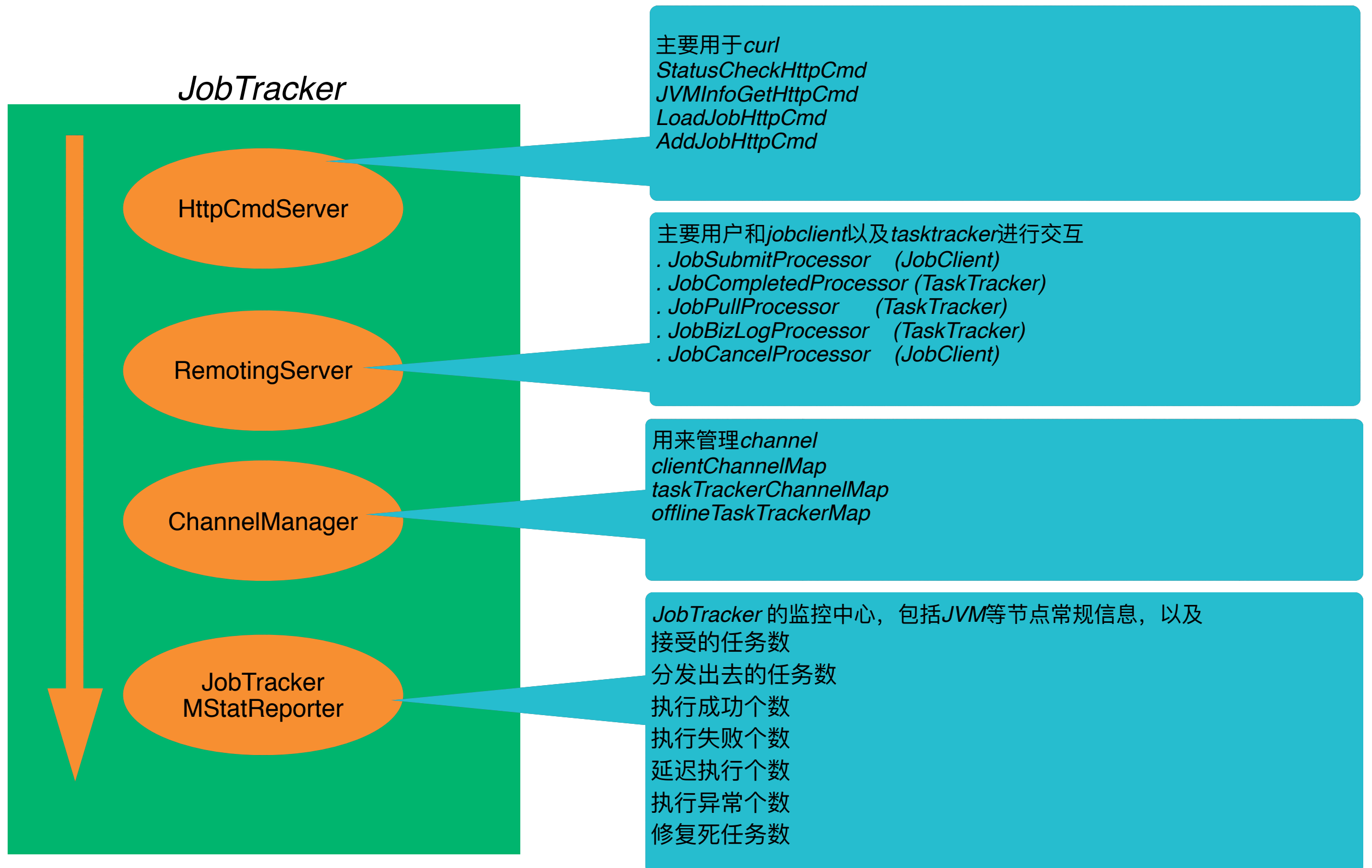
Submit job

Cancel job

Job tracker <—> task tracker

Job tracker ask task tracker (dead job check)

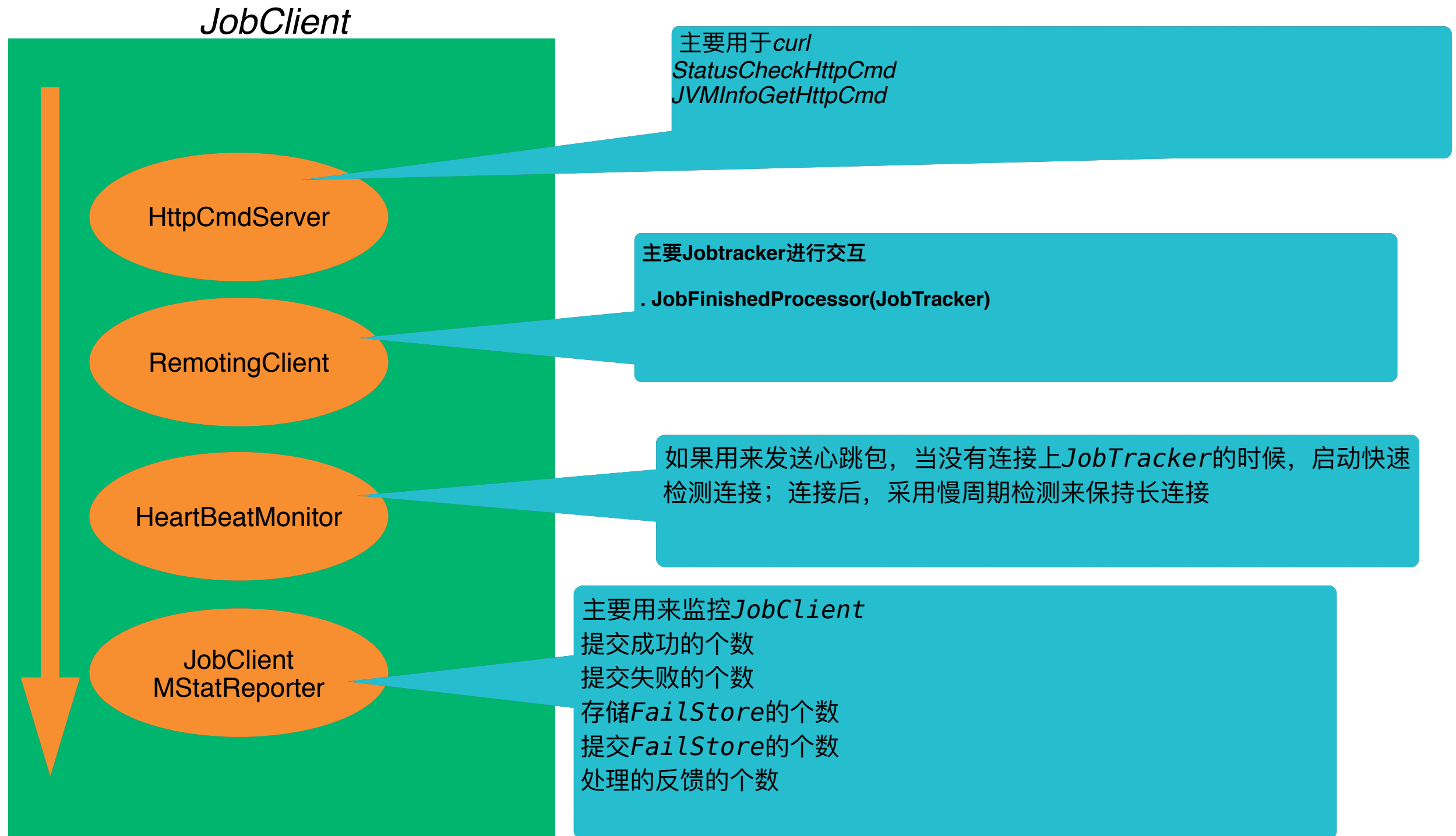
JOB TRACKER START FLOW



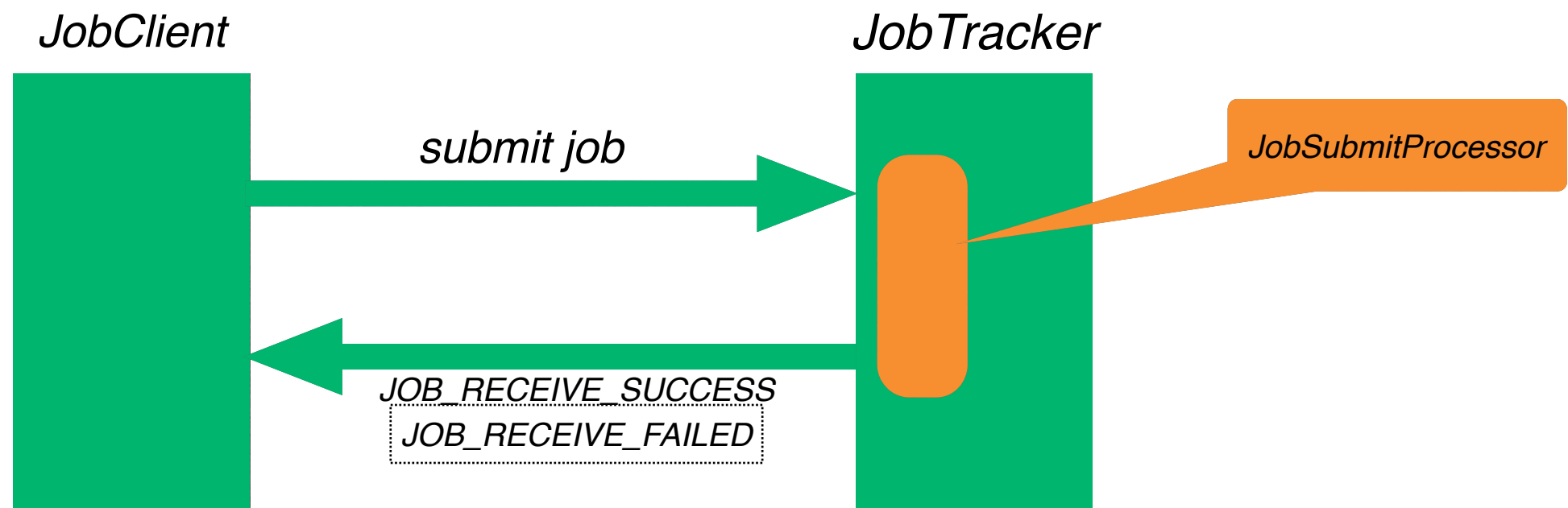
TASK TRACKER START FLOW



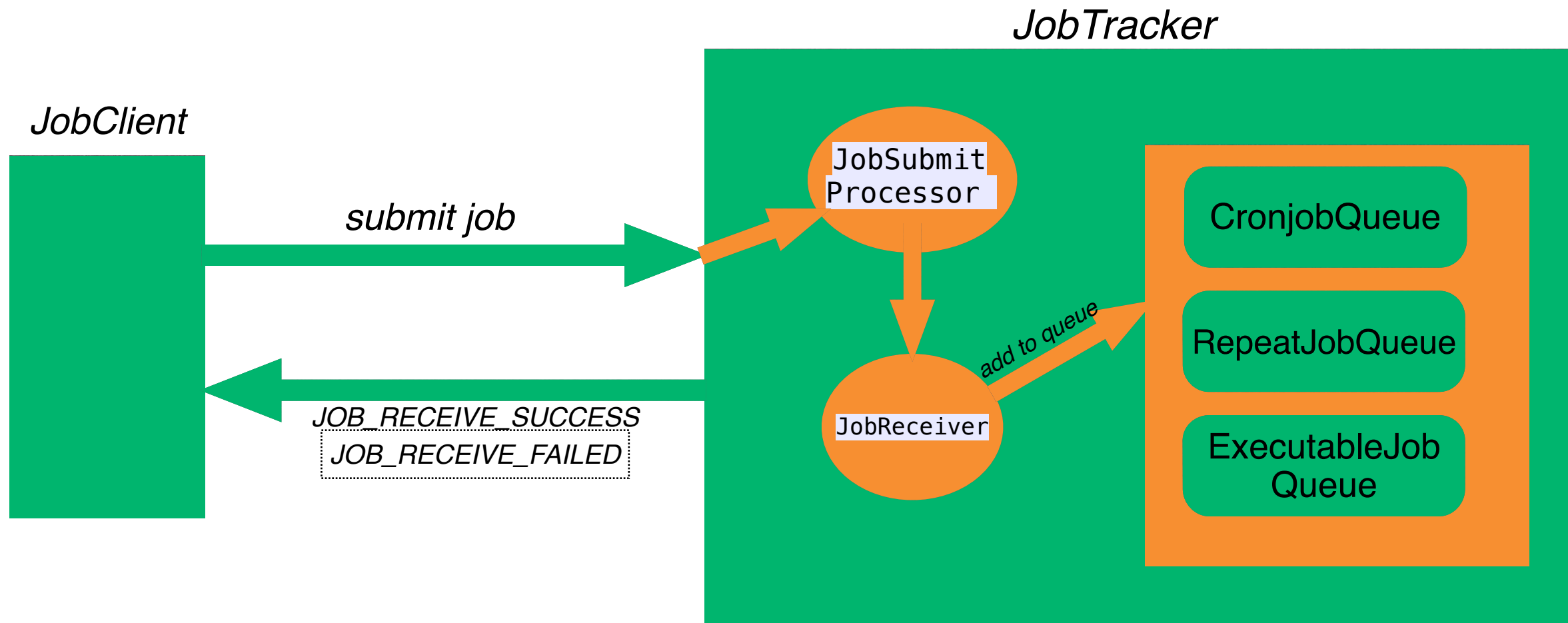
JOB CLIENT START FLOW



SUBMIT JOB



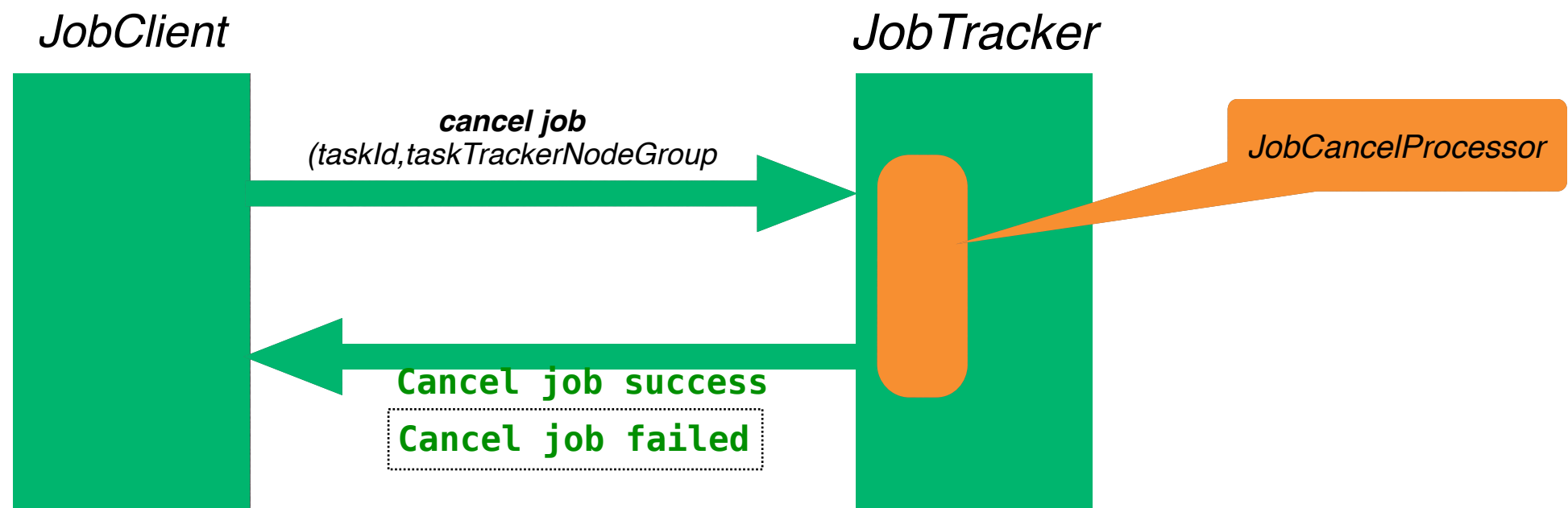
SUBMIT JOB



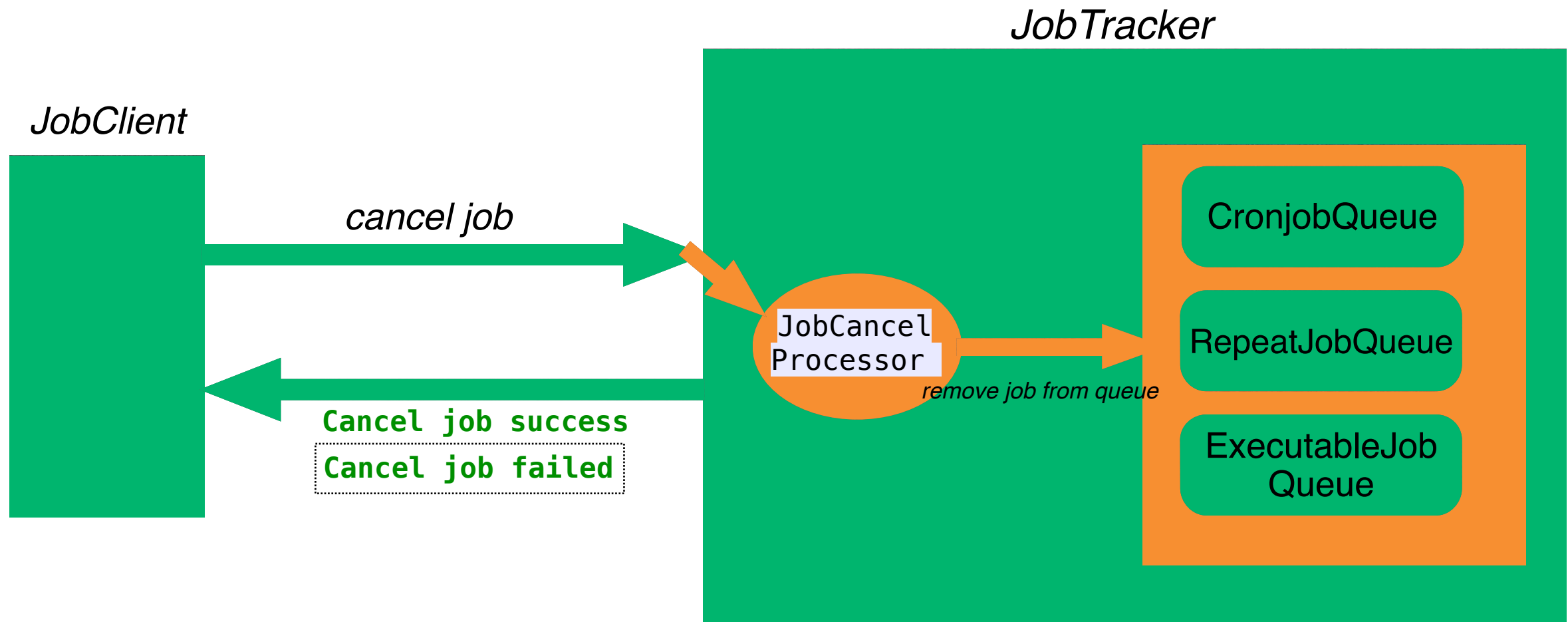
Job 大体上分为三类: *Cron Job*, *Repeat Job*, 只运行一次的*Job*:

- 只运行一次的*Job*, 提交后此*Job*信息直接加入ExecutableJobQueue
- *Cron Job*, 提交后首先添加*Job*信息到CronJobQueue, 然后将此*Job*信息加入到ExecutableJobQueue
- *Repeat Job*, 略

CANCEL JOB



CANCEL JOB

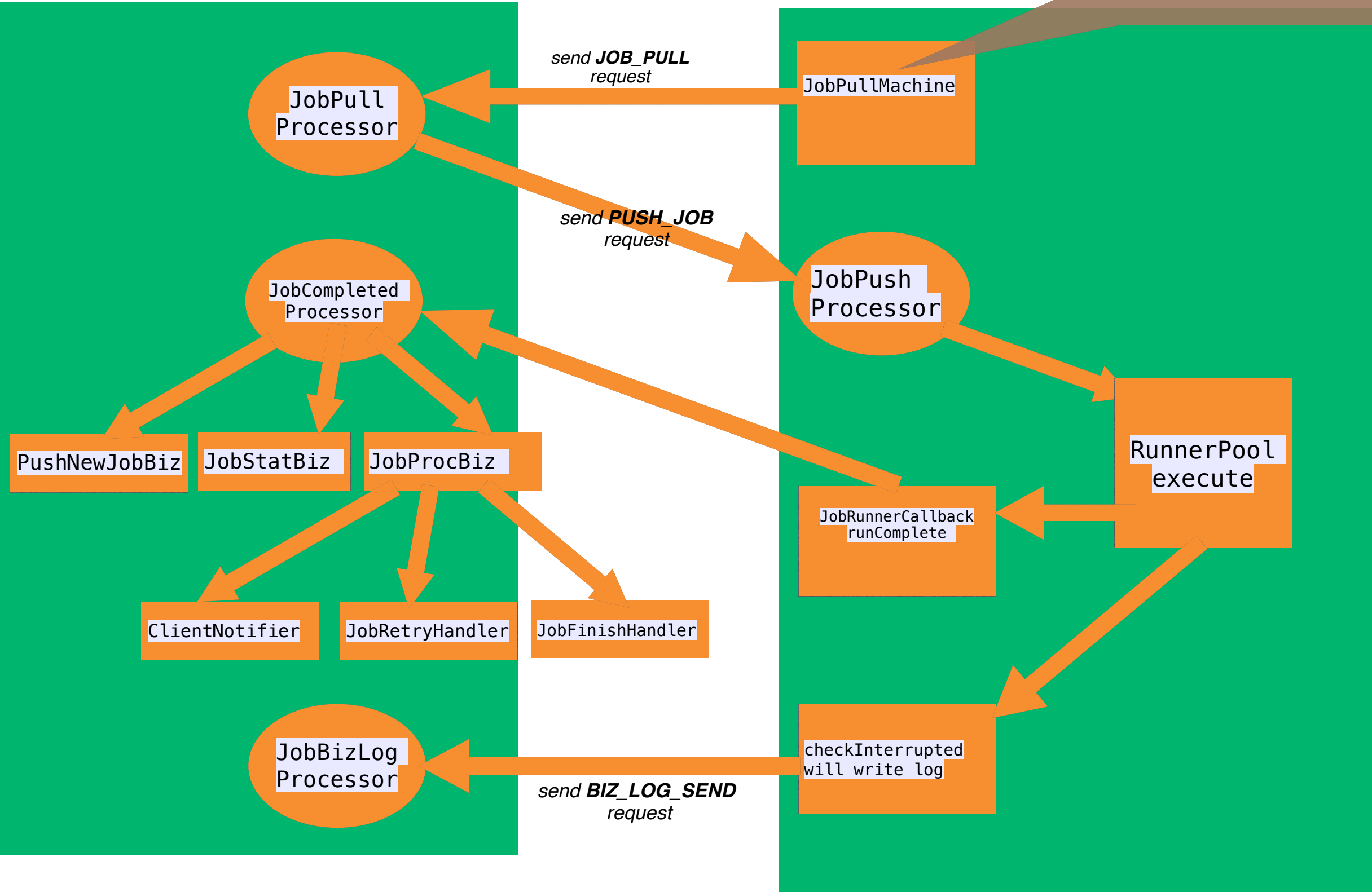


Note: 如果要删除的job不在cronJobQueue里, 也没有在executableJobQueue里, 那么返回JOB_CANCEL_FAILED, 提示: Job may be running

JOB TRACKER <—> TASK TRACKER

JobTracker

TaskTracker



- * 用来向*JobTracker*去取任务
1. 会订阅*JobTracker*的可用, 不可用消息主题的订阅
 2. 只有当*JobTracker*可用的时候才会去*Pull*任务
 3. *Pull*只是会给*JobTracker*发送一个通知

JOB TRACKER ASK TASK TRACKER

