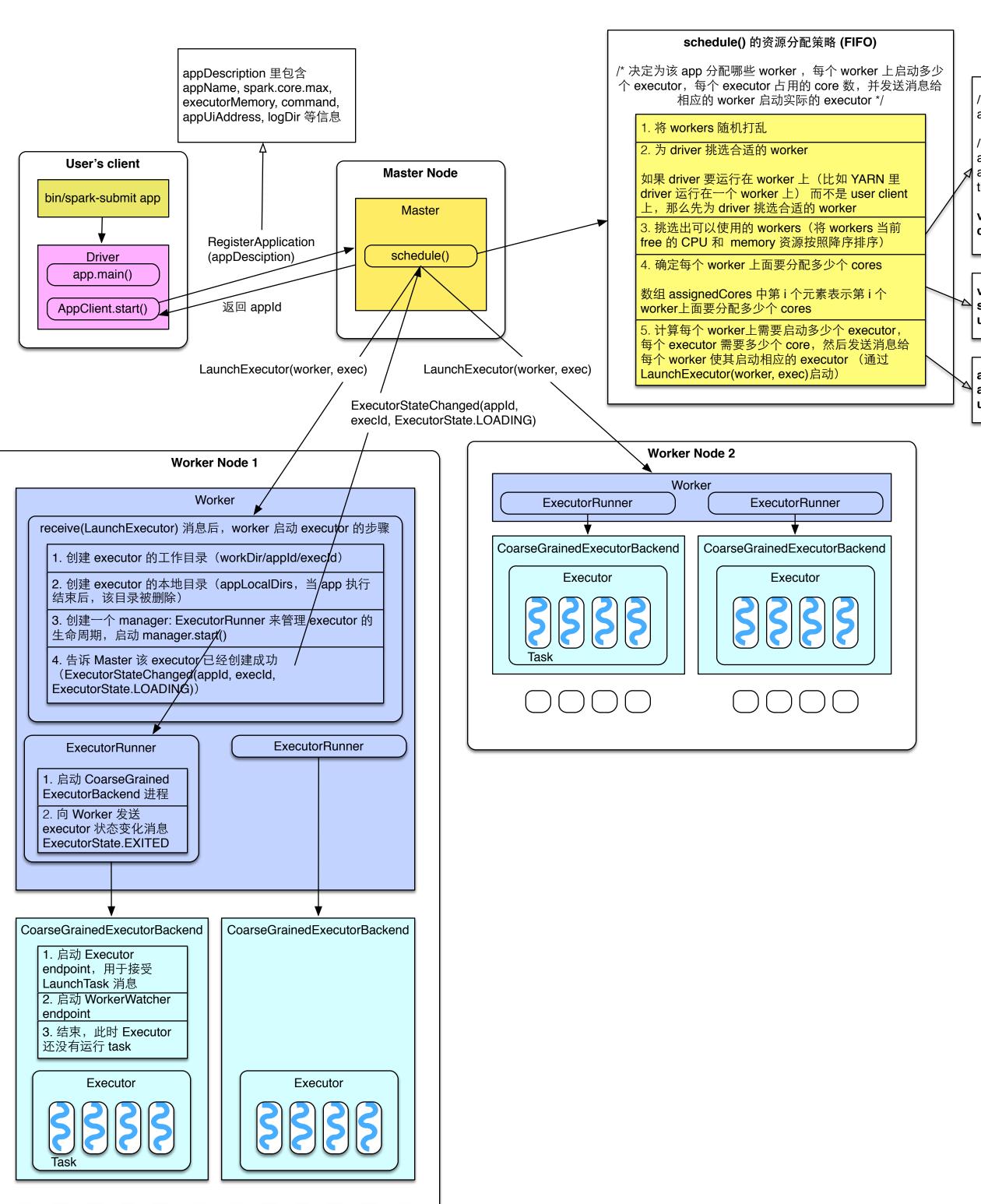
## Spark standalone 资源分配方法及过程



/\* Returns an array containing number of cores assigned to each worker. \*/

/\* Two modes of launching executors. The first attempts to spread out an application's executors on as many workers as possible, while the second does the opposite. The former is better for data locality \*/

val usableWorkers = workers.filter(enough CPU core and memory).sortBy(\_.coresFree).reverse

val assignedCores = 4 4 scheduleExecutorsOnWorkers(app, usableWorkers, spreadOutApps)

allocateWorkerResourceToExecutors(app, assignedCores(i), coresPerExecutor, usableWorkers(i))