SliderAppMaster调度源码分析

SliderAppMaster

#onContainersAllocated

#execute

ContainerAssignment

RoleLaunchService

AppState

//调度的核心类，根据YARN RM返回的Containers指定调度，ContainerAssignment

#onContainersAllocated:

allocateContainers:List<Container>

assignments:List<ContainerAssignment>

releaseOperations:List<AbstractRMOperations>

RoleHistory# //是否可以使用它重启另外的服务，先检查端口是否冲突

providerRoles: ProviderRole

nodemap: NodeMap

RoleHistoryWriter

outstandingRequest: OutstandingRequestTracker

availableNodes: Map<Integer, LinkedList<NodeInstance>>

failedNodes: Set<String>

RoleHistory#prepareAllocationList //将请求过的节点给予更高的优先级

OutStandingRequestTracker:

根据特定的放置要求，追踪outstanding requests

SliderAppMaster#

List<Container> allocatedContainers

ForkedProcessService

SliderAppMaster#

#hadoop\_user\_name

#service\_user\_name

ContainerAssignment