CLOUD COMPUTING APPLICATIONS

YARN: Application Master

Roy Campbell & Reza Farivar

Application Master Responsibilities

- Task scheduling and monitoring for an application instance
  - Only AM knows if a task has hung as RM and NM only see an opaque container

Application Master Responsibilities

- Heartbeats to RM
  - Indicates liveliness
  - Request new containers
  - Receive allocated containers

Application Master Responsibilities

- Provides optional tracking URL when registering with RM
  - Proxy URL provided by RM on app submission is an easy way to find app instance
  - URL can be updated when unregistering to point to a history server