

Registry

Registry will be used to store several run-time related information for applications and platform modules. Mongodb will be used to store such highly unstructured data. In specific mongodb will store following informations:

- Login Details
- Algorithm config. files
- Scheduling config. Files
- IP & Ports for each of the available nodes
- Present node at which the application is running
- Url to uniquely identify an algorithm on a node
- Sensor metadata

Major modules interacting with this are:

- Node Manager
- Sensor Manager
- Action Module
- Heartbeat Manager

Application Repository

Application repository will store all the static files of applications deployed by all the users with the help of Network file system. This will act as a backing store for all the application codes.

Major modules interacting with this are:

- Scheduler
- Action Module
- Heartbeat Manager
- Deployment Manager

Platform Repository

Platform repository will store all the static files of all the modules of our application server platform via Network file system.

Major modules interacting with this are:

- Platform Initializer

- Deployment Manager
- Heartbeat Manager