ZooKeeper Framework for Mesos

Documentation

by the MeKeepers

Compilation:

* To compile run ‘make’ inside zk\_mesos dir
* Makefile library paths may need to be changed to reflect current mesos config

Usage:

* MesosZk class file
  + NODES - total nodes needed for launching zk ensemble
  + NUM\_MASTERS - total number of master nodes needed for zk ensemble
  + NUM\_AGENTS - total number of agent nodes needed for zk ensemble
* To run framework
  + sudo ./mesosZk --master=[ip for current mesos master]:[port for master]
    - The framework needs to be run as sudo because it needs root permissions to create files / directories on the agent side.

Testing:

The easiest way to check that the framework is running outside of the command line responses is to use the mesos web interface.

mesos\_zk.cfg:

* Exact copy of standard ZooKeeper cfg file, all parameters still work.

setup.sh:

* Setup file that is sent to mesos\_zk nodes in order to setup and run ZooKeeper

zoo.cfg

* Config generated and injected to nodes
  + Based on NUM\_MASTERS

How it works:

Mesos\_zk uses the Mesos command executor in order to dynamically create a command for each master and agent node alike. It reads from the setup.sh script and local zoo.cfg file to determine the settings and commands to run.