Global Info File
replica locations
file names
file sizes
absolute paths
block names

client — metadata ops — namenode

jobtracker

read only

block ops

datanode — replication — datanode — replication — datanode — replication — datanode

tasktracker | tasktracker | tasktracker | tasktracker

Ceph | Ceph | Ceph | Ceph

create a symbolic link
for each data object
in Ceph