Report of MapReduce Facility

Project 3 of 15-640

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# System Requirements

A master at unix.andrew.cmu.edu, and several slaves unix machines connected to AFS

# Configuration Steps

1. Open three Terminals and connect them to a server connected to AFS using ssh. Make sure they have the same login user (saving the troubles brought by file permission).
2. Change directory to ./src/. (for convenience, we denote MapReduce/ as ./) in three Terminals.
3. Type “make” and then “make run” in the three Terminals.
4. Change the settings in file “config.txt”
5. In one Terminal, type “m” to become a master. And you will get an echo showing “KPFS master ready” and “KPFS data node ready”. In the other two, type “s” to become slaves and they will connect to that master.
6. In master, type “new ” to launch a new task.
7. In server, type “exit” to exit server. All other clients connected to this server will exit automatically.

# How to start/stop/monitor the system

# How to run examples