Tasks:

* Get CS guys to install GINI backend on machines and gather a list of hostnames (lab2-17.cs.mcgill.ca) ->Update $PATH file
* gbuilder GUI options: add checkbox for ‘run frontend only’ => force user to enter backend hostname before saving options
* gbuilder GUI: add provisions to handle ‘are you still there’ queries and reply to them via user input
* build a dispatcher (Python twisted script):
  + IP interface
    - listen for and receive requests from gbuilder
    - replies to requests with hostname, IP or error (if all machines are turned off)
  + Local software communication interface
    - communicated with scheduler
* build a scheduler
  + User Interface:
    - Add/remove available workers
    - Loot at system log
    - Manually kill connections
  + Polling engine: available machines:
    - upon dispatcher requests
    - every 2 minutes to maintain log
  + Local software communication interface
    - Receive/reply to dispatcher
    - Send ‘are you still there’
    - Send propose better machines if excessive workloads

Present sequence:

1. gbuilder calls gloader and program starts

New proposed sequence:

1. gbuilder asks Dispatcher for a worker
2. dispatcher checks with scheduler for less busy worker
3. dispatcher returns IP of worker to gbuilder
4. gbuilder calls gloader via ssh tunnel and program starts
5. […] scheduler keeps a log and polls for open sessions – sends reminders every x time

Useful commands

$ ssh top > somefile.txt

$ ps

$ ps | grep someprocess > somefile.txt