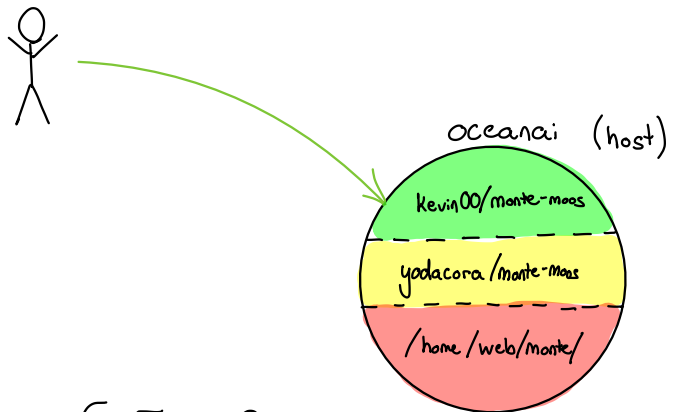
User



User...

1) writes { Job Group
  ↳ job files
  ↳ post-processing script

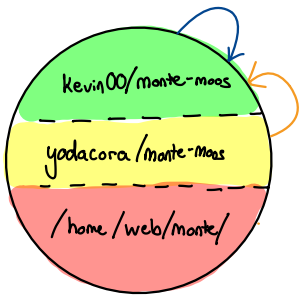
2) modifies { host_job_queue.txt
repo_links.txt

3) runs { ./host_loop.sh

Host

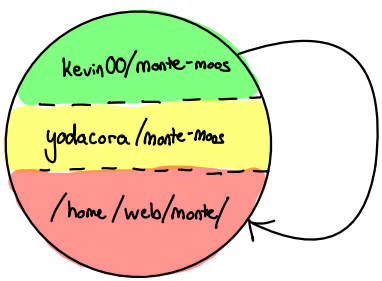
./host_loop.sh

1



Count how many of each job has been completed
↳ checks yodacora/monte-moos/results
→ Update queue in ~/monte-moos/

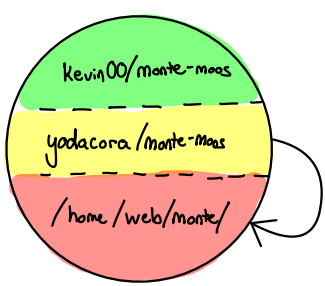
2



Encrypts, copies encrypted files to internet (publicly viewable dir)

- job_dir/*
- host_job_queue.txt
- repo_links.txt

3



Compile results from ~/yodacora/monte-moos/results/* and publish subset of results to the internet

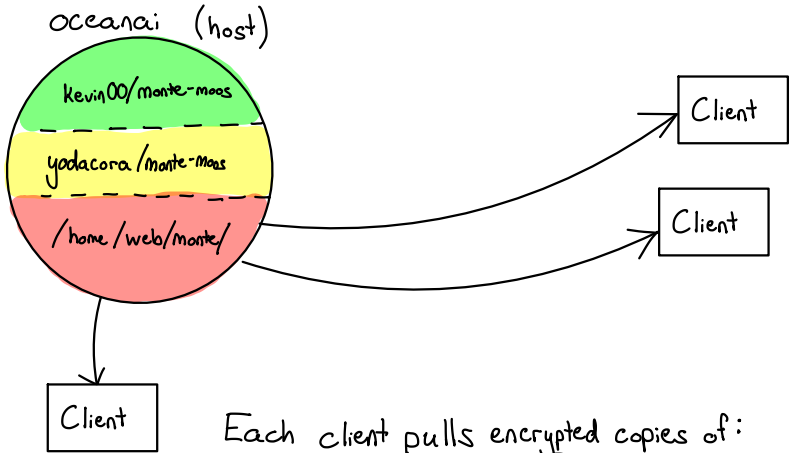
4

Loop back to (1)

Client

./client_loop.sh

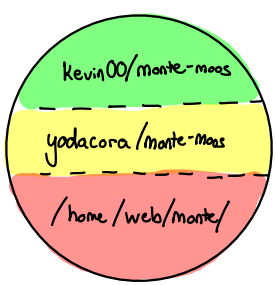
1



Each client pulls encrypted copies of:

repo_links.txt
job_dirs/dirname.tar.gz } How to run jobs
host_job_queue } what jobs to run (and order)

2



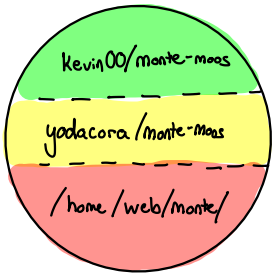
Client

Client

Client

Clients decrypt pulled data using their monte-moos/.password file
Then, they run the next job in the queue

3



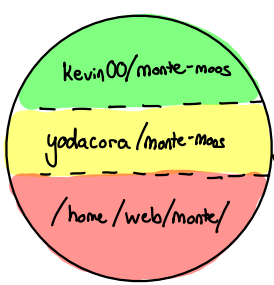
Client

Client

Client

1. Clients launch shoreside & each vehicle
2. Check uQueryDB and timer for exit (Whichever trips first)
3. Ktm
4. Run post_processing_script.sh on mission

4



Client

Client

Client

Client sends results to host after each job