

August 17, 2010

Kondo Needs old honker computer to have Scientific Linux 4(.8?)
need to make a CD

Need to get a CERN account

Rep:

Activity:

Is the CD out of old honker magic wiping CD?

August 18, 2010

Downloaded CD1 for SL 4.8

Submitted Form for CMS and DOE accounts

CMS:

<https://twiki.cern.ch/twiki/bin/view/CMS/WorkBookGetAccount>

Hohlmann, High Energy Particle Physics

DOE: <http://www.doe grids.org/pages/cert-request.html#Globus>

OSG, CMS, Request Number: **61831**

Get CMS VO once I have CMS and DOE accounts/certificates

August 19, 2010

Got emails back from DOE and CMS accounts, DOE (can't be imported and won't be verified?), CMS (what institution??)

signed up for Linuxquestions.org, jolafisch

writing disk 1 for SL 4.8

Old honker has a problem with the video card...it fell out when it was on, and idk what is wrong. It looks as though its trying to turn on, but it "blinks" black. We may need to try another computer, possibly electron?

Check on Tuesday if the monitor is broken.

DOE Certificate, Completed, but I can't import: "This certificate can't be verified and will not be imported. The certificate issuer might be unknown or untrusted, the certificate might have expired or been revoked, or the certificate might not have been approved."

August 25, 2010

Got DOE certificate!

Old honker works, w/ SL 4.8 and Root for Kondo (Xenia)

October 13, 2010

Talked to Art Mann from Silicon Mechanics about cluster upgrade, sent quote with multiple node and NAS options:

Nodes:

redundant power supply:

higher end config with more power, higher voltage recommended on power supply drives all systems, second power supply as backup not a huge premium: 4 node, 2 power; 2 node, 2 power
recommend 4

infiniband - typically used to speed up parallel compute (nodes), not for us

Config of nodes: Could sell new head node with new software (with new compute nodes already

configured), add new nodes, reprovision ROCKS on old nodes. OR could ship head node, they install new

software, we reprovisions old nodes ~\$2000 not including shipping

2U, 4 nodes dual processor: 24 GB memory per node

6 Core Processors

don't run jobs between new and old nodes: segregate they types of work between the types of nodes
(different speeds, cause problems) (true for parallel, this may not be much a problem with distributed, which would mean that we would not have to change the distribution of jobs)

NAS:

config linux server

12 vs 24 SATA drives

to Expand further, 24 populate with a smaller number of drives, future and new disk array

recommend RAID6 for complex tech issues

fast, data corruption ~0%

not recommend RAID50 for high capacity

(greater data corruption ~10%), speed benefits,

embedded linux operating system: config to run webserver

user interface that provides graphical interface, no editing

permissions manually (no opening text files, log into web interface and set permissions

option: we just manage storage system through website, not user interface

new management

Open-E, integrated into storform - \$1000 for software

Cluster management stack: ROCKS

Update of ROCKS: 5.3, may be better to reinstall (check to make sure data is backed up)

follow up:

figure out how to handle upgrade of cluster software (see notes on config), send list of applications we use, timeline restrictions on grant money

November 16, 2010

I suck at this. Photon and Electron supposed to get TRACKS, MAJOR problems with IT in getting that done, only Photon getting that. Meeting with Dr. Hohlmann on 17th about cluster upgrade, more to follow.

Problems we have had:

- Home Directory Issue: Kim's home dir
 - NFS Daemon Failure?
 - fixed
- Sam Test Failure/Warning
 - Job held even, globus error?
 - fixed
- Ganglia Job Queue
 - still problematic, but small issue
- Crab Glite
 - Don't have it, shouldn't need it to use it...but we do?

To Do:

- Cluster Upgrade
- Create account on oim.grid.iu.edu to get security emails

- o done, I don't have emails?
- Send out email on OSG about NFS Daemon Failure
 - o Linuxquestions suggestions
 - no more, problem fixed
- Talk to Hohlmann/Ben about Electron
 - o done, IT is stupid

November 20, 2010

Have oim account, get emails

December 1, 2010

Daemon problem on node 1-0, can't read masterlog
filesystem error? IDK

Photon and Electron apparently have wrong tags, I call BS, they call you
can't build computers