Documentation for Fall 2013 Cluster

9/27/13

So fixing the Ganglia issue on NAS 1:

Found the correct CD and on it were all the rpm files needed to load Ganglia on a node.

To move them from the CD to the CE on the cluster I used the command:

#scp ganglia\* [root@uscms1.fltech-grid3.fit.edu](mailto:root@uscms1.fltech-grid3.fit.edu):/ganglia\_rpms/

That moved all the files starting with ganglia into a directory in root called ganglia\_rpms

Did the same with the one extra file:

#scp sys\* root@uscms1.fltech-grid3.fit.edu:/ganglia\_rpms/

Then logged into the CE using root and ran the commands:

#cp ganglia\* /nas1/ganglia\_rpms/

and

#cp sys\* /nas1/ganglia\_rpms/

to put those files onto nas1 in the directory ganglia\_rpms.

Then tried to install those files using:

#rpm -Uvh \*.rpm

but the error message came up with a file and a directory being missing that were needed:

-libart\_lgpl\_2.so.2

-/opt/rocks/bin/python

We found and installed the -libart... one but we're still missing the python bin because it says it's already there.

9/29/13

Looking through Nas0 for the config files related to the ganglia system for nas1. Not sure where to look so I'll ask Jordan.

Stuff to do this week from the meeting:

-Do an inventory of all the data on Nas1! Just find what all the data is and put it into a word or powerpoint doc. Ask Kim for size search algorithm! Do by next week!

-Collection of relevant CDs for the cluster should be somewhere specific. Help Jordan sort through CDs.

10/4/13

Ok, using a script that Kim wrote that should sort through the both the nases and give a list of the files in order of file size. Used:

#cd du\_script

#./du\_script.sh

Found that while the most large files came from the MTSAtFIT dir, which is all mts data, the most amount of files came from the mnt/nas1/user/guragain dir, which belonged to a user who graduated. He still has a ridiculous amount of files on there so Hohlmann recommended we zip them up.

Using the command:

tar -zcvf archive\_name.tar.gz directory\_to\_compress

I started zipping all the directories in the /guragain dir

Wow, this first file is way longer than I thought...

Gonna give up on it for now I think, maybe set it up on a different computer later

10/7/13

So I managed to zip about a third of the files over the weekend, but they were the small ones. So far the percentage on the nas hasn't changed but I'm zipping two of the larger directories right now.

11/4/13

Today I went through the /etc/fstab files on each of the nodes. Those files are what mounts the nases and stuff on restart for all the nodes. I deleted a line that no longer was used that had an osg mount and added three lines to mount nas1 and it's main directories. I did it for all nodes, including compute-1-1 but not compute-2-4.

Going forward- Need to get some files from Jordan and put them on the website

11/18/13

Working on finishing the documentation for editing the website and this.

Plan this week is to add documentation to website either Wednesday or next Monday.

Things need to go on the Cluster and the wiki!

12/2/13

Putting documentation up and helping Ankit with Twiki