

RC ALL HANDS MEETING NOTES: MAY 10, 2011

Agenda Items Discussion:

60 Ox shutdown June 10th (t minus 1 month)

- All fields have been installed
- Database servers are in there
- Jerry and Brian are working on stuff outside the cluster
- An email will be sent out about domain changes

RCFS2 (cifs performance fixes, microchem migration)

- Storage array balance over eight names, but not evenly
- Troy file server gets all the load – cluster job on Friday created a big problem
- Re-jigged this on Monday – virtual data movers built – trying to balance the load
- Slow file issues happening at the same time

SPINAL updates, "the guilt list", small molecule, HCBI updates

- Build is based on usage of instrument – useful for HCBI, small molecule, and Claire's instruments
- Interest in sample tracking – will see where this goes
- Improvements being made to expense code database
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New storage arrays (Murray Lab)

- How people were added to user groups before created issues for Claire, but the problem seems to be resolved
- Let CCB know what can be done for them in regards to Amar – can come up with a partial solution and not a replication of SPINAL for CCB – need to meet about this issue

Group email account updates - migrations to mailman

- Little group mailing lists keep getting dropped
- Sent lists to department lab directors about emails – James to send email again
- 260 accounts still live
- CBS has been overlooked, needs to be migrated
- Will send lists around to help reduce shutting off wrong accounts

Universal Desktop

- Left with legacy file systems – now FAS domain but need to re-map with old credentials
- Need authorization with FAS to access computer and then RC/OEB creds to get to files
- Map drive with old creds – users need to know this

Soph compute nodes

- Largely done
- 60 online, 4 more coming by end of day
- One more chassis to re-image
- Changing GFS to NFS – stress test and then running with it

iRODS

- Anne Marie and Brendan testing this
- How to build archival solution in RC
- Powerful overlay virtual file system
- Create virtual file system behind which are databases, etc.
- Propagate out to multiple file systems
- File management and mirroring easily
- iRODS handle all multiplications
- Good system to manage mass archival storage
- Ability to attach generic meter data
- Search all file systems and organize files
- Broad use for iROD
- Can make it quicker by spreading parallel loads

New sequencing resources and algorithms

- Collaborating with Brown – what solution is the best
- Automated pipeline
- Python scripts running various scripts
- Susan Mango asked for training for new post-doc hire
- Need to be realistic about what you can do with training of new post-doc
- Flow chart mapping out the necessary path for the post-doc

Round Table Updates:

- Arthur G., Math Department:
 - Scheduled down time for app transfer
 - New servers not up yet

- Jerry Lotto, Research Computing:
 - Largest and complex bio systems moved to new storage

- Maggie McFee, Physics Department:
 - Moved Chris Stubbs lab

- Anne Marie, Harvard Herbaria:
 - Collections stuff – putting images in place
 - Moved VPN 5/10/2011

- Vincenzo Di Bernardo, CNS
 - Testing new system
 - Love June 1st – automatically bill by usage

- Amir Karger, Research Computing:
 - Working with Susan Gomes and creating her database

- Jeff Chang, Research Computing:
 - Migration gone well
 - NCF 2.0 much faster
 - Migrated 16 terabytes over the weekend

- Matt McDonald, SSG:
 - o Migrating WAGH

- Luis Silva, Research Computing:
 - o Finishing up with IRIS
 - o Send out lists about people still on migration lists

- Matt Nicholson, Research Computing:
 - o Working on storage, puppets, and EPS

- John Brunelle, Research Computing:
 - o Atlas job issues regarding BU project – need access to whole thing – built up to a petabytes at BU

- Brian Mantenuto, Research Computing:
 - o Reaching out to each group for migration
 - o Explaining migration and June 10th down time
 - o Migrating lots of instruments
 - o Two weeks before cut over, test RC credentials to see if things work
 - o More clear on cut over date

- Adam Malinowski, Research Computing:
 - o Sequest
 - o Process of setting up new pipeline – IP2, SPINAL, Microscopy

- Jeff Kuhne, Research Computing:
 - o Science stuff, migration, mailman
 - o Flipping switches – some coordination needed
 - o Get ACLs straightened out

- Claire Reardon, SysBio:
 - o Agreement on disabled accounts: lab admin has responsibility to re-enable accounts

- Matthew Wollman, SCRB
 - o Lab moves
 - o IRIS almost done
 - o Stem cell distribution website
 - o New UD project