



GACRC AC Meeting Oct 2015

Dr. Guy Cormier

Director of Research Computing



THE UNIVERSITY OF GEORGIA

Office of the Vice President for Information Technology
Enterprise Information Technology Services

Sapelo Update

- 42 (31) groups – 89 (66) users
- 19 (14) buy-in groups, 2 groups in discussion
- (21+ 5) buy-in nodes, (17+3) match nodes
- Cores: $5,936 + 1,968 = 7,904$ (25% buy-in)
- Currently installing Matlab on Sapelo
- On-going work with Penguin in streamlining user/group management
- On-going work with Adaptive in queuing/scheduling configurations

Staffing Update

- **Bioinformatics Trainer**
 - Suchitra Pakala started on Oct. 15
- **Junior Sysadmin**
 - Position to be advertised next week

Update on Training

- New workshop
 - Introduction to Batch Process Jobs in Linux
- 7 sessions planned for November
- Have started giving training to remote collaborators (Amster, Rohani)
- Suchitra is following Zhuofei in his activities, and will be working on developing her own materials
- Any suggested topics???

GACRC HelpDesk

- We estimate 200+ tickets are handled each month
 - Issues with jobs or submission scripts
 - new user/group accounts
 - Install/upgrade software
 - How do I ?
 - User reports of something potentially broken
- We estimate 100+ contacts with users initiated by GACRC
 - Issues with jobs, nodes crashing, etc.
 - Unacceptable behaviors (e.g running on login nodes)

GACRC HelpDesk

- EITS is moving from Remedy to TeamDynamix
- GACRC will migrate before end of 2015
 - Ticket workflows
 - User/group creation workflows
 - Reporting capabilities
 - Ability to build a knowledgebase
- Adequate communications will be done to engage GACRC community

GACRC user data migrations (1)

Goal: Reduce complexity, improve performance and protect research data

- All Sapelo **SCRATCH** data migrated from Icebreaker storage to the Lustre storage (done)
- Second Lustre appliance being bought for EuPathDB project as well as expansion of Sapelo **SCRATCH**
- All **OFLOW** data migrated from ArchStor and Panasas to **PROJECT** (on-going, two groups left to complete)
- All **Lab Storage** to be decommissioned –
 - 12 groups affected – all contacted on October 8th
 - Only 2 groups with recent activity
 - 7 groups acknowledged data can be deleted
 - 3 groups haven't confirmed yet
- ArchStor servers to be decommissioned (mid-November)

GACRC user data migrations (2)

Goal: Reduce complexity, improve performance and protect research data

- All zcluster **HOME** folders migrated from Panasas to Icebreaker storage (towards **HOME** or **PROJECT**)
- Panasas re-purposed as zcluster **SCRATCH** file system (support term ends June 2016)
- GACRC Backup project (**HOME** and **PROJECT**)

