2017-08-03 Sprint planning

Yeah! Back to NDS work.

Major goals for Sprint 30:

- SC17 demo = NDS8 demo = SI2 proposal
    - WB to HPC: WB as development, visualization environment for HPC.
    - WB to Cloud: WB as demo environment, export running configurations and data to move to Cloud.
- Container workshop

Candidate tasks:

- Explore "WB to HPC" with ROGER team (Yan/Anand)
    - Get ROGER account for Mike? (NDS-990)
    - ROGER dev container (all the things you need to develop for deploy on ROGER)
    - Batch submit container: how can we run qsub from a container?
- Explore "WB to Cloud"
    - Export config to Docker compose
    - wget and "docker-compose up" on AWS, GCE, etc.
- Oauth (factoring in WB to HPC, WB to Cloud – CILogon, Kerberos, AWS?)
- Batch container cluster: extending BioCADDIE Kubernetes work for WB (NDS-991)
- Improved data handling (in light of NBI, ThinkChicago) (NDS-903)
    - Nebraska NBI data (NDS-992)
    - Process for submitting datasets
- Storage issues
    - Gluster performance problems in light of ETK (NDS-860)
    - /var/lib/docker recovery analysis (mv v rsync v tar v) (NDS-996)
        - rsync -W (whole file)
    - Work with Nebula/SDSC to benchmark storage options (NDS-993)
    - Huge log files (NDS-995)
    - Fix /media/storage in deploy-tools (NDS-994)
- Other issues
    - What to do with ELK stack (already have PR)
    - Deploy-tools changes for single-node or master+1 w/o Gluster (NDS-984)
    - What happened with IPv6?
    - Docker pull problems (NDS-986)
    - Single-node load issues (NDS-985)
    - 502 error handling, Adding 503 to deploy-tools, new backend (NDS-590)
    - Resource "knob" (NDS-574)
    - Filesystem permissions (NDS-809, NDS-814)
    - Phone home
    - Usage reports/reporting (NDS-499)
    - Crowd/social stuff
    - Docker commit support (save current image state) (NDS-750)
    - Dedicated VM vs PetSet