Beta Redeploy

Notes from 12/15/2016 discussion of NDS-686. When redeploying beta, we need to account for the following:

- Rebuild Gluster FS:
    - ☑ **NDS-693** - Test Gluster sharding config `RESOLVED`
    - We'll need to redeploy Gluster with the new sharding config
- Master crashing:
    - ⬛ **NDS-660** - Limit number of status messages stored in etcd `RESOLVED`
    - In the end, this is a bug in the NDSLabs API Server. Needs to be fixed, but doesn't directly impact redeploy
    - Should we resize master? No. No one is using big masters.
- Upgrading Kubernetes:
    - ☑ **NDS-413** - Explore upgrading Kubernetes `RESOLVED` ,
    - ☑ **NDS-708** - Update ndslabs-startup to test running Kubernetes 1.5 on a single-node instance `RESOLVED`
    - This is probably our biggest risk/issue at this point for re-deploy. We're not sure whether we can do it, but we'll try.
- Disk space issues:
    - ◻ **NDS-627** - Disk space issues `RESOLVED`
    - Will likely need to create another volume or change /var/lib/docker to mount /var/ to cover all cases.
    - David's recommendation: 1 volume per node with bind mounts.
- Import/export accounts:
    - ☑ **NDS-690** - Export/import account `CLOSED`
    - We will need to migrate at least the account information
    - Currently, stacks and data will not be migrated. Stacks require catalog migration too.
- Node sizing:
    - What is the correct size for the nodes? Do we need to resize LMA, master?
    - LMA:
        - Should map correct data volumes
        - 4-8 cores; 32-64GB RAM
- Deploy new test cluster ASAP