

## Hardware/Sysadmin/Puppet

### July 23, 2024

- Hardware news
  - cvmfs server replacement awarded to Compugov. No ETA.
- Major Topics
  - SL7 migrations are essentially done with the exception of miscellaneous retirements and systems that have pending OS Variances. CS Board meets this Friday, and we expect some discussions about those-- although we have not been contacted directly about any of them.
  - RHV→ Proxmox migrations will be happening over the next couple months
    - Needed to clear off the SAN so that it can be retired, also because RHV is End of Life (forever) in a couple months
    - This is too time consuming to be done during standard monthly downtime, so this will be scheduled individually with various stakeholders.
  - SSI has a single SL7 server left with services to be migrated to Alma 9 (this does not include various customer's servers)
- HPC
  - No news
- Upgrading from SL7
  - Status:

OS version	SL7	EL8	EL9
# nodes	87	602	2309

### Other Activities

- OKD
  - Having some issues with various GPU servers

- Have had to restart some servers, but this triggers a problem with Alma 9 where only GPU is available
  - These need to be reinstalled with Alma 8 but,
  - Having issues with installs right now. This is being worked on.
- Testing and improving script which syncs pv/pvcs between okdprod1 and okdprod2
- Proxmox/RHV
  - We are going to be working on scheduling migrations of the remaining RHV nodes into Proxmox
    - Needed to clear off the SAN for Storage Network Services to retire it
    - Will have to be done during non-downtimes due to the time required for each migrations
- Miscellaneous
  - Still working on SL7 upgrades for services that are past the EOL deadline as the requests come in
  - Much work related to retiring our SL7 Package mirror, ssirepo04, which is more or less done. Service migrated to ssirepo01.
  - SSI has only a single SL7 server left that is running our services. This will be migrated to Alma 9 asap.
  - A CMS NFS server had a 'hiccup' and became very unhappy with certain clients, while others had no issues.
  - Many servers now being retired (stacks and stacks of servers on carts now)
  - Four VMs migrated from RHV to Proxmox
- Normal operations: 35 logged interventions last week—replacing disks, rebooting hung systems, fixing corrupt RPM databases, retiring systems, fixing xinetd issues, clearing caches, fixing hung NFS mounts, fixing Puppet errors, etc.

## HPC (High Performance & Parallel Computing)

- No news