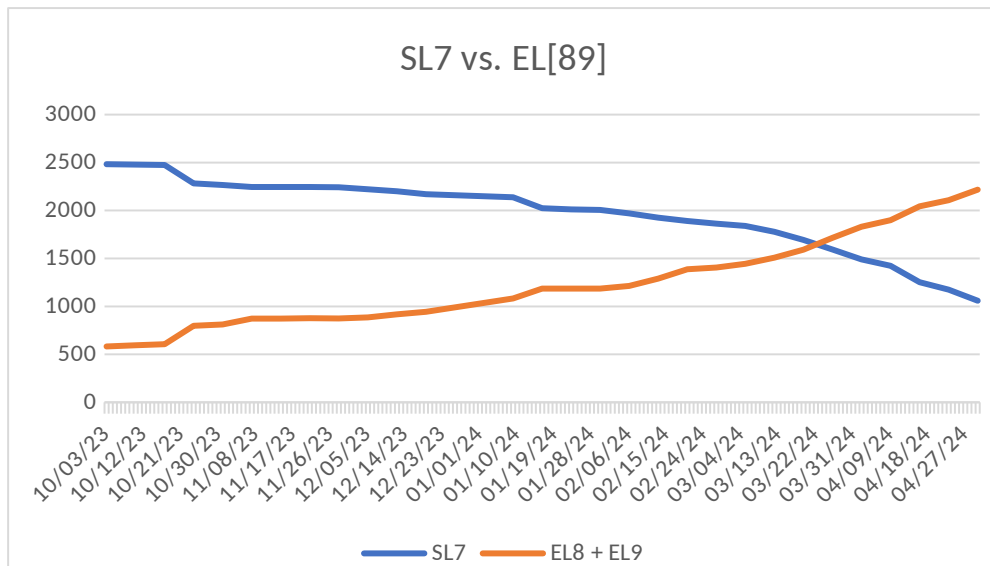


Hardware/Sysadmin/Puppet

April 30, 2024

- Hardware news
 - CMS and FermiGrid worker nodes (79 CMS, 21 FermiGrid): 4 workers have been sent back to ASUS for repair. 1 more is being returned with a new motherboard. A few refusing to accept BIOS update as well. Most are handed over for production.
 - 13 GPU servers:
 - All installed and in operation
- Major issues
- HPC
 - LQ downtime last week was fairly rough. Problems with GPU drivers/kernels/lustre, etc.
- Upgrading from SL7
 - Status:

OS version	SL7	EL8	EL9
# nodes	1059	708	1509



Other Activities

- OKD
 - All GPUs are installed and operational
 - Troubleshooting a network issue reported by Brandon White
 - There is nothing wrong, it's just the way it the network works
 - We have found a way to deal with Selinux + Ceph, so Ceph will be available for EAF after some more testing
- GPCF/RHV/Proxmox
 - Prepping to convert all VMs to use a virtual serial console (as Spice protocol/client is removed in EL9)
- Miscellaneous
 - Jenkins rolled back to old server, users seem content. Will start figuring out a fix for the new server.
 - Problems with raid card install on novadaq-far-datadisk-05, raid card suggested by Ace doesn't actually support raid. We're coming up with alternative plans.
 - SSI Private network CheckMK upgraded and migrated to Alma 9
- SL7 Upgrades
 - 68 more worker nodes reinstalled with Alma 9
 - cmslpcgpu1 reinstalled with Alma 9
 - cmslpcgpu2 reinstalled with Alma 9
 - cmslpc120-129 retired
 - spinquestgpvm02 reinstalled with Alma 9
 - seaquestgpvm01 reinstalled with Alma 9
 - seaquestgpvm02 reinstalled with Alma 9
 - seaquest-gpvm-al9 retired
 - lssrv07 reinstalled with Alma 9
 - gm2gpvm01-05 reinstalled with Alma 9
 - gm2fnalsrv1 reinstalled with Alma 9
 - gm2cornellsrv1 reinstalled with Alma 9
 - dunegpvcoll01 reinstalled with Alma 9
 - ifbcollectorgpvm01 reinstalled with Alma 9
- Installs/Moves/Retirements
 - renamed host cmsccb02-new to cmsccb02

- Normal operations: 56 logged interventions—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)

- LQ Downtime completed (with some challenges)