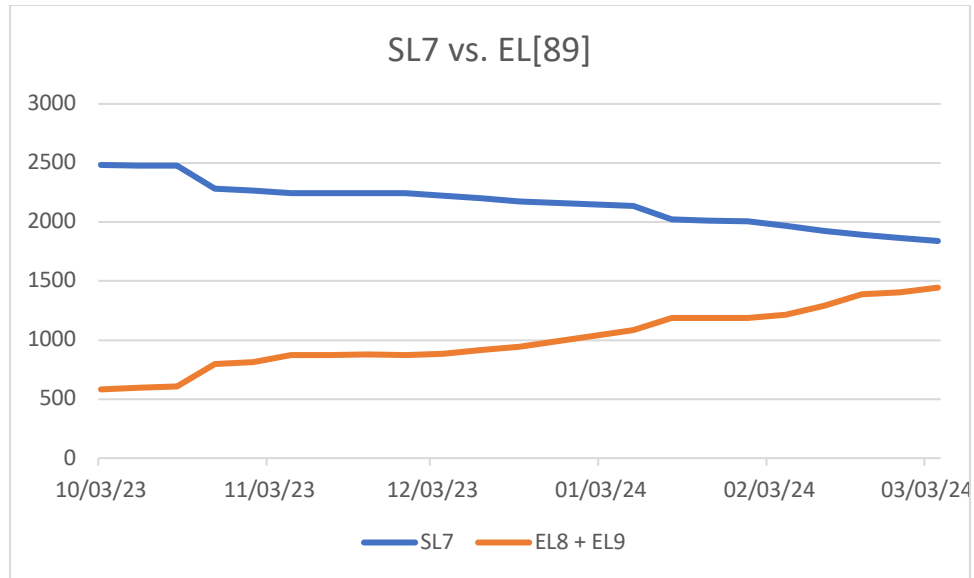


## Hardware/Sysadmin/Puppet

### March 5, 2024

- Procurement:
  - CMS and FermiGrid worker nodes (79 CMS, 21 FermiGrid) installed, getting added to production.
  - 13 GPU servers:
    - **Update:** 2 for FermiGrid installed, getting added to production.
    - 9 for EAF in progress.
  - **Update:** 28 General CMS servers installed, available.
- Networking:
  - IPv6 issues still under investigation. Network Services will upgrade firmware and reboot the relevant switch tomorrow (3/6).
- Upgrading from SL7
  - Making 80 CMS LPC interactive nodes running EL9
  - Status:

OS version	SL7	EL8	EL9
# nodes	1839	671	773



## Other Activities

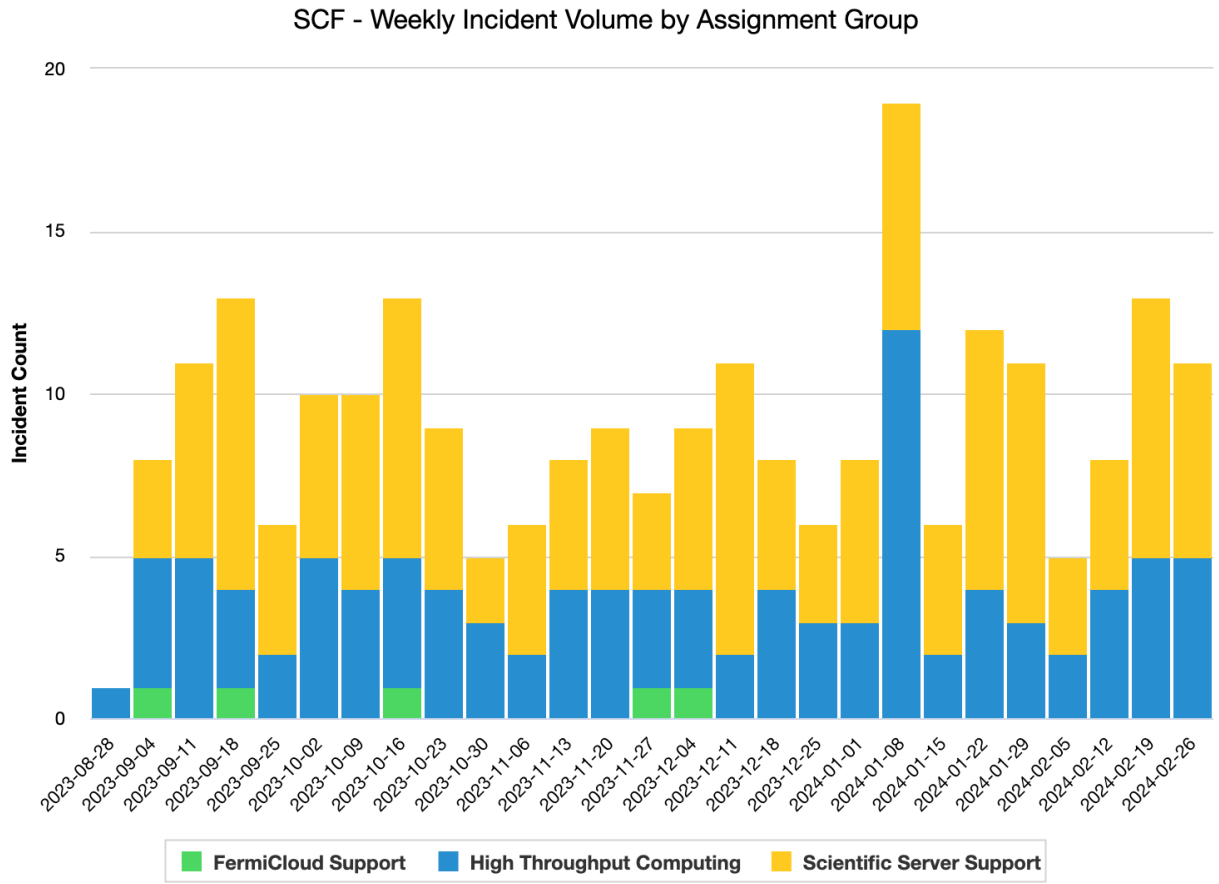
- OKD
  - Testing SSA Ceph: still in progress
  - OKD downtime last Wednesday:
    - All kernels updated on okdprod{1,2} clusters
    - External IPs configuration updated to make more IPs available
    - Fixed issue with layer 7 routing
  - One additional worker installed, adding capacity
  - Working on installing new GPU nodes; currently having network issue
  - Retired 4 old nodes from dev cluster
- GPCF/LPC/Proxmox
  - All VMs migrated out of SSI Ceph to SAN. SSI Ceph removed from Proxmox.
- Miscellaneous
  - ssinagios (SSI's Checkmk site) migrated to new Alma 8 server
- SL7 Upgrades
  - ssi6puppet01 reinstalled with Alma 9
  - cmssrv622 reinstalled with Alma9
  - ssiadmin2 reinstalled with Alma 9
  - cenns reinstalled with Alma 9
  - ifbcollectorpvm05 reinstalled with Alma 9
- Installs/Moves/Retirements

- Installed new ssirepo01/02 to replace EOL hardware
  - Installed larsoftgpvm01 with Alma 9 as semi-replacement for larsoftdev7 (end of life hardware)
  - Installed ds50dbgpvm03 (part of process to upgrade databases to Alma 9)
  - Installed cmssrv2401-2428
  - Reinstalled cmslpc-ce on new hardware
  - Reinstalled ssiregistry04 on new hardware
  - Installed squid3/4, replacements for squid1/2
  - Installed lssrv11/12 with Alma 9, replacements for end of life servers
  - Retired ssiferrygpvm01
  - Retired cmslpctest01
  - Retired cmslpc170-179
  - Retired cmslpctest01
  - Retired cmslpc-cvmfs-install
  - Retired ssiconsole2
- Normal operations: 89 logged interventions last 3 weeks—replacing disks, rebooting hung systems, fixing corrupt RPM databases, retiring systems, fixing xinetd issues, clearing caches, fixing hung NFS mounts, fixing Puppet errors, etc.

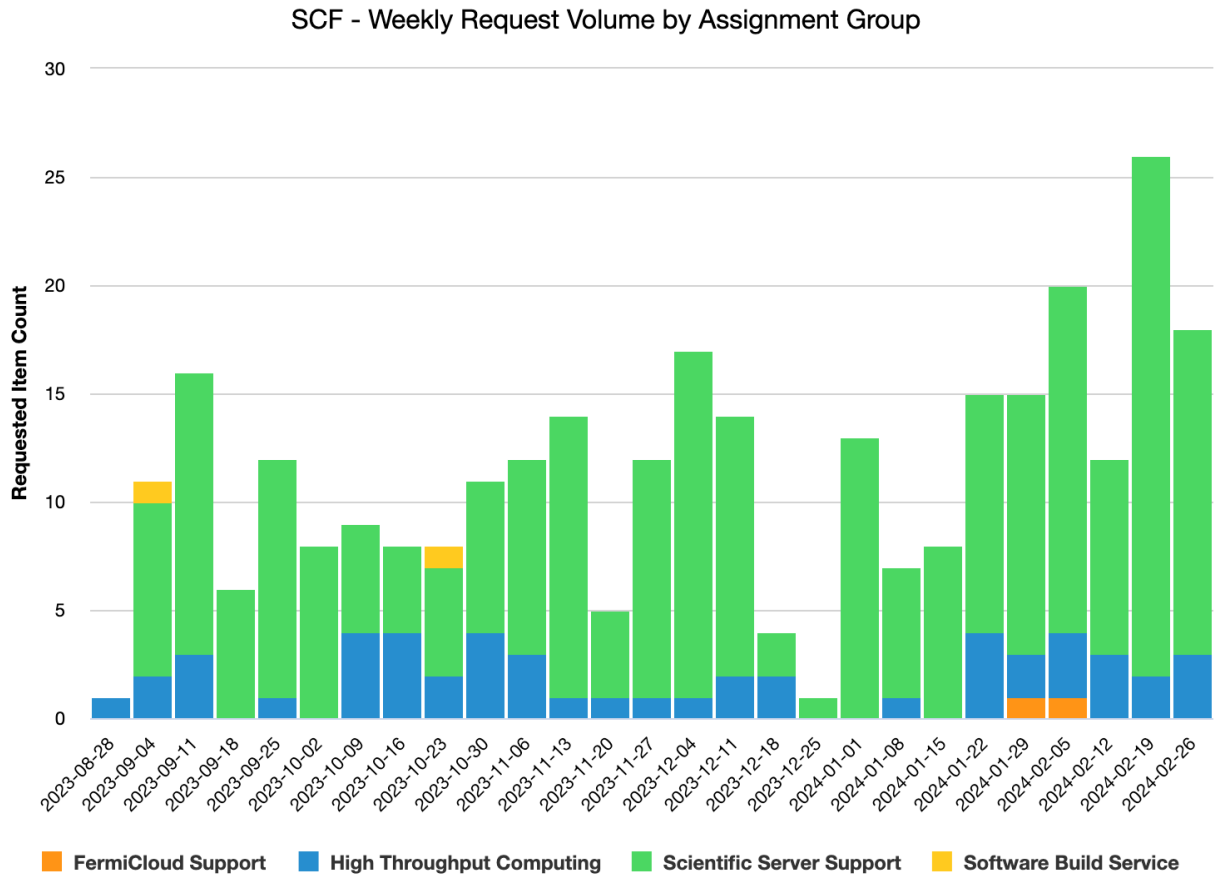
#### **HPC (High Performance & Parallel Computing)**

- Added two GPU nodes to Wilson Cluster
- Steady running.

## Incidents



## Requests



# Ticket Trend

