Scientific Computing Facilities
January 17, 2023

Major Incidents

Date	Service	Scope	Comments

Announcements

- Third-Wednesday maintenance 1/18:
    - Kernel updates/reboots on most interactive nodes
    - Central NAS maintenance early Wednesday could require reboots or may cause brief interruptions

Of Interest

- Normal requests for InCommon certs are still broken. Able to get certs for now using a temporary workaround provided by Jeny.
- Hardware updates:
    - New public dCache nodes are in racks, waiting for network
    - Servers for CMS dCache have arrived at the lab (but storage arrays not expected for some time)

Off-hours Pages

Upcoming Change Requests

Incident Summary
3 incidents opened in last 7 days: 3 closed, 0 in progress.

Request Summary
7 requests opened in last 7 days: 1 closed, 6 in progress.

- OKD
  - Testing OKD 4.11
    - No major issues
  - App migrations from OKD 3 to OKD 4
    - Dune Rucio is done
    - Still waiting for web exemption to be processed

- Miscellaneous
  - Upgrading Harbor from 2.6 to 2.7
    - ssiregistry-test: done
    - imageregistry: 1 server done
    - publicregistry: 1 server done
    - ssiregistry: pending
  - Starting to look for a replacement for netdata (metrics gathering tool). Netdata doesn't handle large numbers of containers well and is causing performance problems on worker nodes.
  - More work converting consdb to python3
  - Starting to work on migrating parts of ssiweb (SSI internal documentation) to OKD
  - NOvA is showing interesting in testing Alma 9, but nothing firm yet
  - Safety Pause
  - CVMFS seems to be breaking more often lately, requiring intervention

- New installations/moves/decommissions:
  - 33 New public dCache servers racked, network pending
  - Firmware updates and reboots of 74 CMS EOS E60s
  - Installed 208V PDU in gcc-crb-3061 for use by dbdev1xx nodes (Igor)
  - Four new GPVMs for gm2 installed and turned over
  - New dunegpfrontend01 installed and turned over

- Normal operations: 296 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.
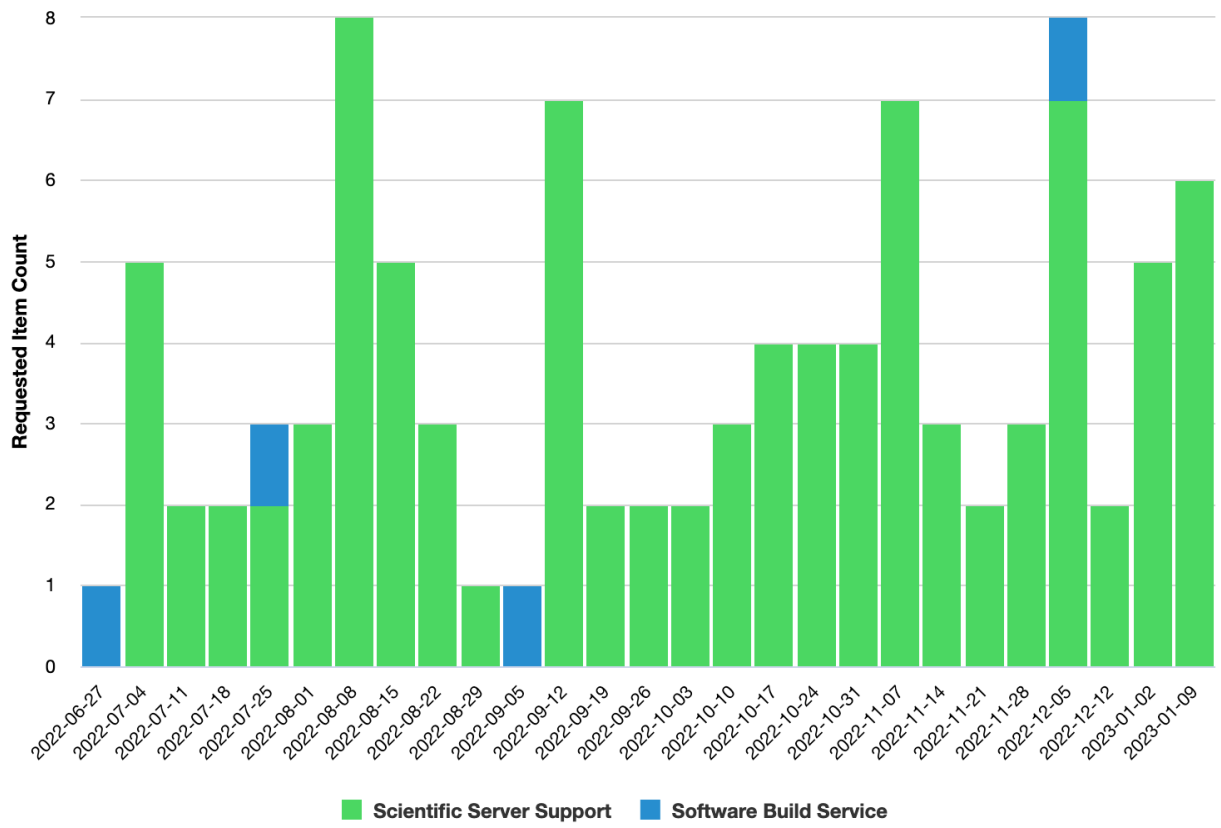
HPC (High Performance & Parallel Computing)
- Working with Procurement and Compliance to figure out next steps for LQ2 purchase.
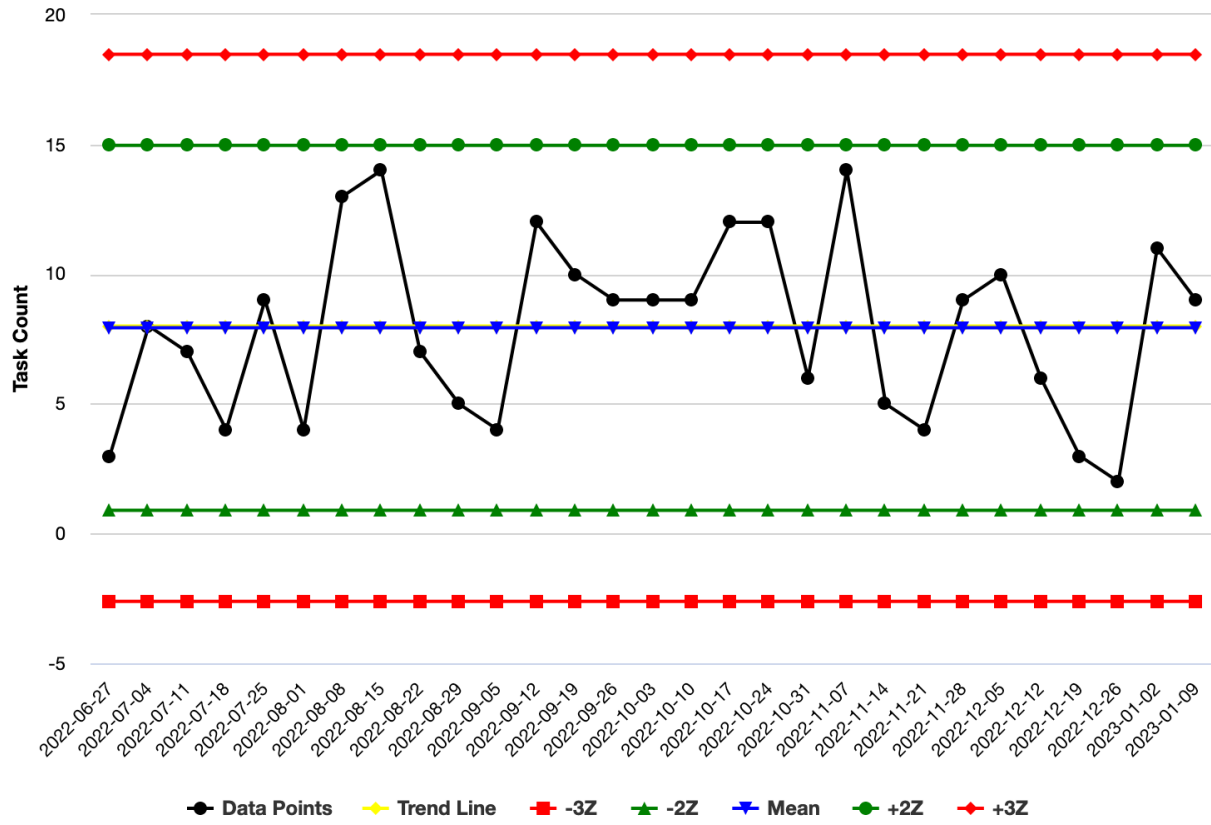- Some continuing Lustre issues; investigating.

Incidents

SCF - Weekly Incident Volume by Assignment Group
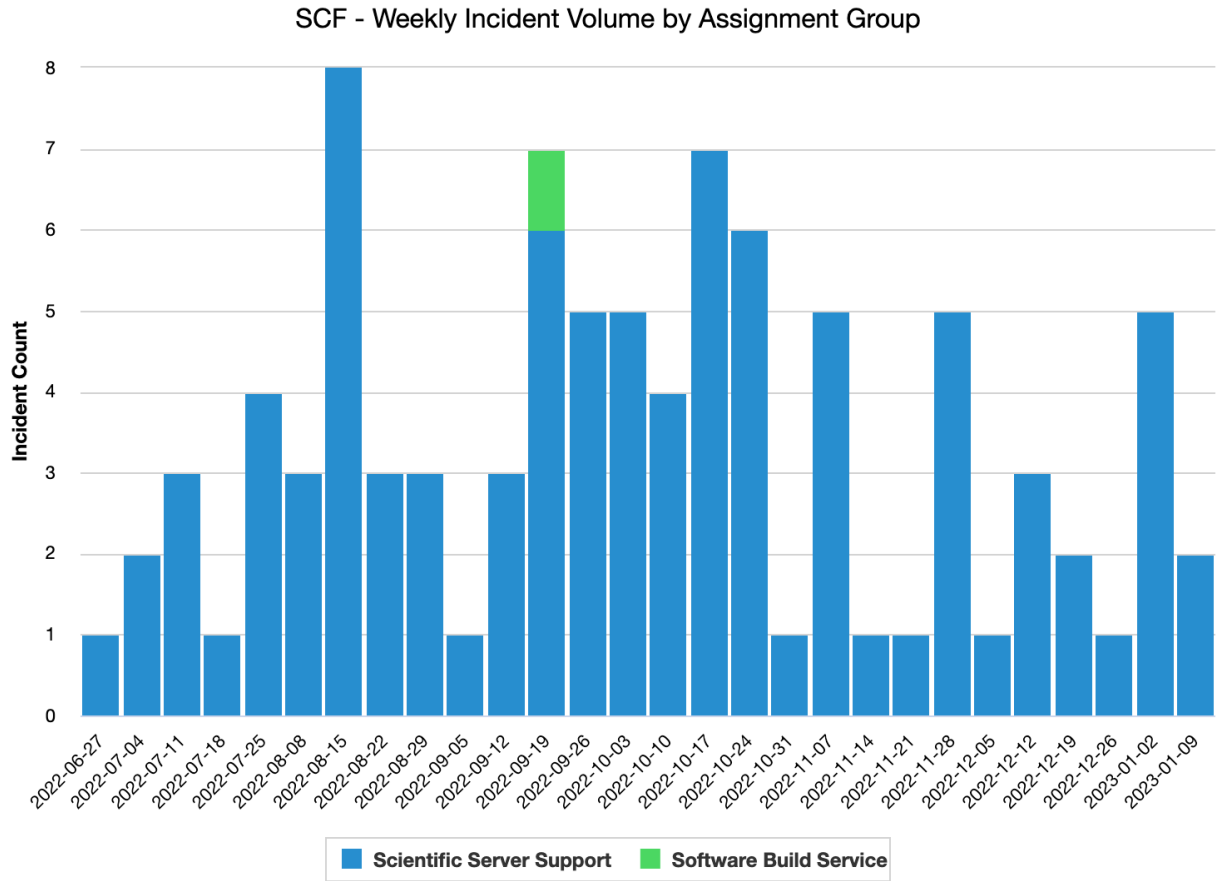
Requests

SCF - Weekly Request Volume by Assignment Group

Legend: Scientific Server Support, Software Build Service

Ticket Trend

SCF - Ticket Trend

GPCF

Totals	
# Hosts	22
# VMs	261
CPU Allocated	51.1%
Storage Allocated	37.8%

Details: http://ssirhevm1.fnal.gov/report-gpcf/