DIRAC@IN2P3 activities at CC

Décembre 2024

Overview

- Activities
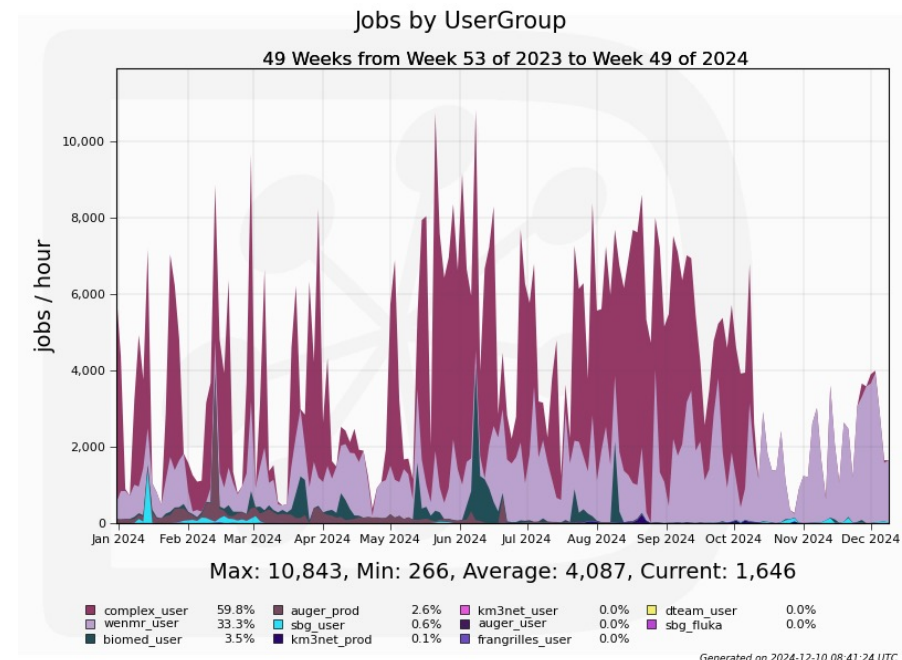- Future plans

Activities - EGI Instance

- EGI Instance
  - 12 virtual machines ~ 8 cores / 8Gb memory each server
  - Centos 7

- Configuration : removing redundant virtual organizations, inactive users, and outdated sites
  - ~ 800 users => ~ 220 users
  - ~ 43 => ~ 23 Vos

Jobs by UserGroup
49 Weeks from Week 53 of 2023 to Week 49 of 2024

Max: 10,843, Min: 266, Average: 4,087, Current: 1,646

complex_user	59.8%	auger_prod	2.6%	km3net_user	0.0%	dteam_user	0.0%
wenmr_user	33.3%	sbg_user	0.6%	auger_user	0.0%	sbg_fluka	0.0%
biomed_user	3.5%	km3net_prod	0.1%	frangrilles_user	0.0%		

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- **Testbed – Instance**
  - 3 virtual machines ~ 8 cores / 8Gb memory each server
  - 2 Centos 7 / 1 RedHat 9
- **Tests:**
  - Testing the deployment of a K3S infrastructure for production (VIP + MultiMaster + Keepalived): Ensures service continuity in case of a master node failure.
  - Deployment of K3S on a single node (machine c3): Includes deployment of DiracX and connection to an existing Dirac database.
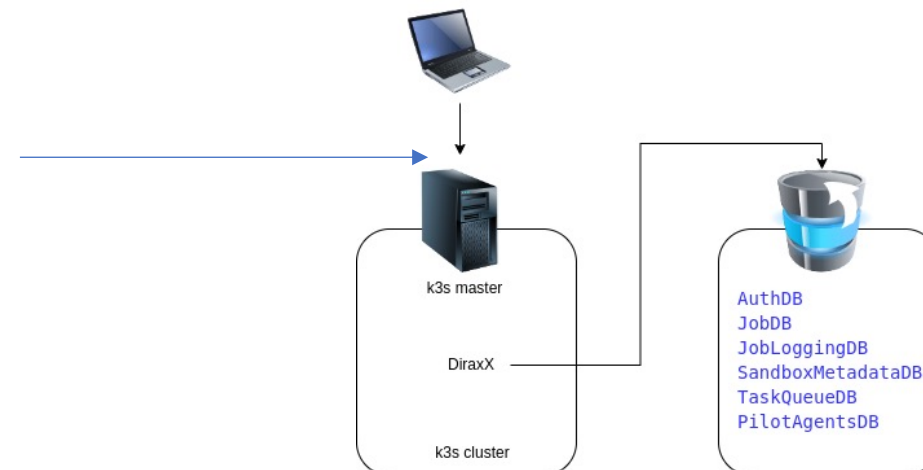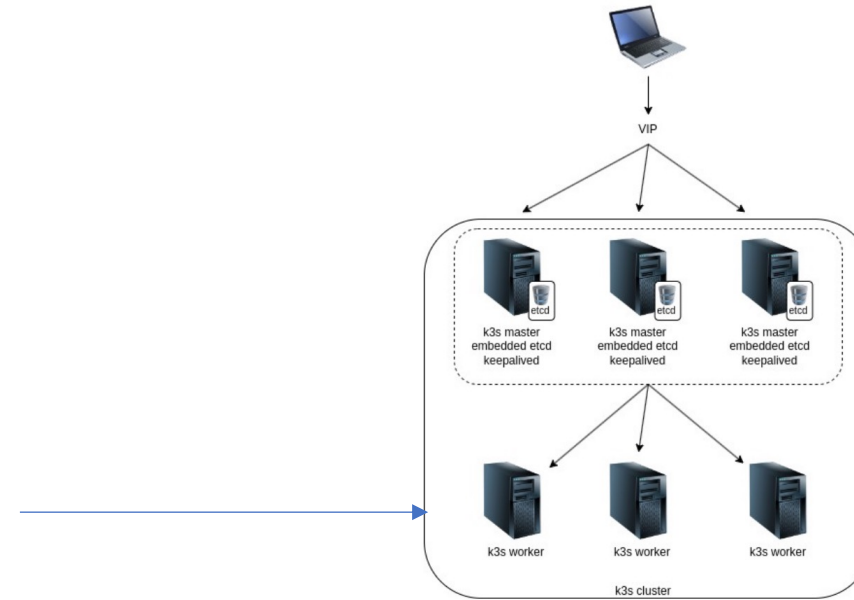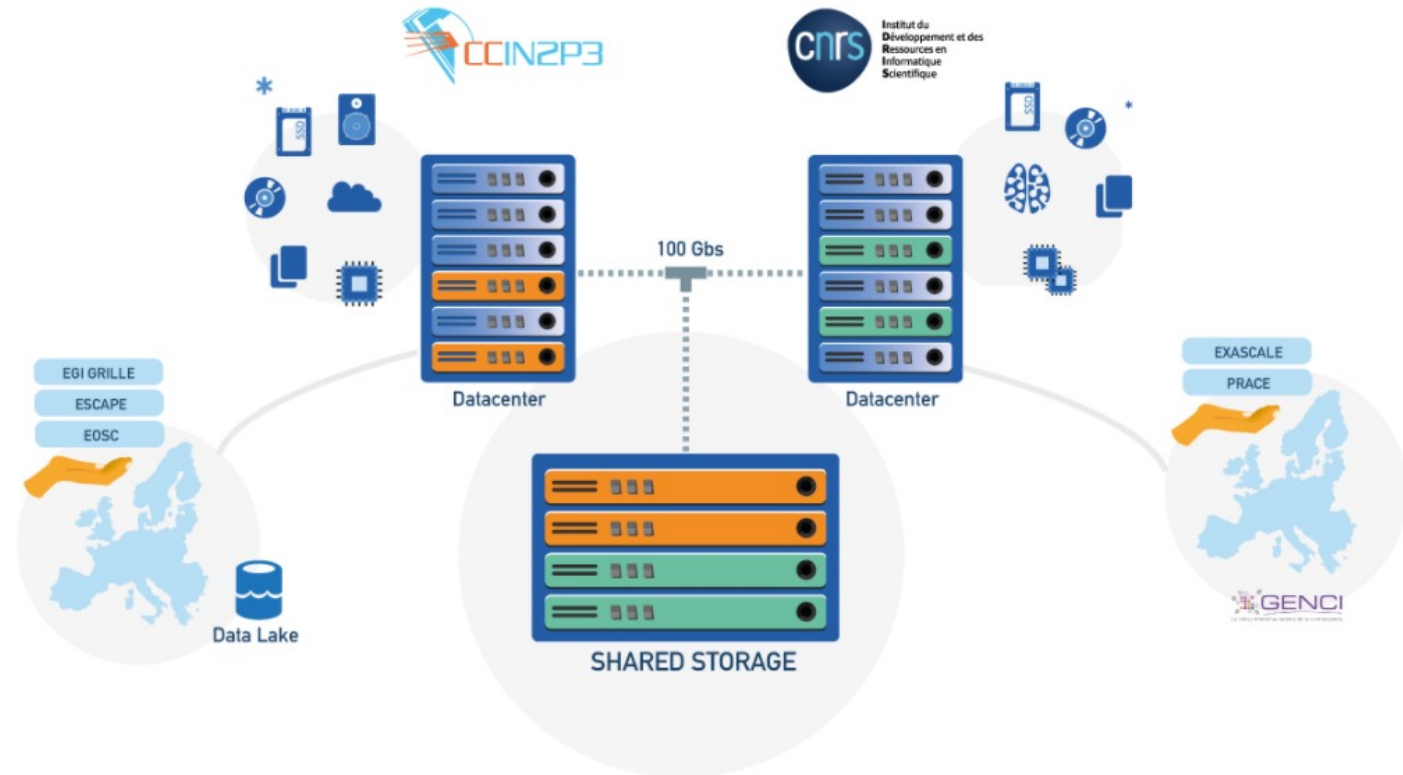
- Project CC-IN2P3 and IDRIS / CNRS:
  - Shared storage
  - Access portal
  - Hosting

- Requirements:
  - DIRAC – IRODS plugin
  - Check I

https://www.fits.cnrs.fr/

Future plans

- A new engineer (Developer) will join the computing team in January to work on DIRAC@IN2P3 project.
    - Installation instance FITS
    - Developpement IRODs plugin

- Continue testing K8 and DiracX

- Migration servers from Centos7 to RedHat9

- A long-term… well, not so long… separation of instances EGI and IN2P3

Questions ?