DMP Implementation Status of IPP

2024-07-10

Sundry

- Replied to Yann Camenen about the GK database being hosted on the Gateway
  - Cc'ed Pär Strand [DMP coordinator] and Rui Coelho [GUB Chair]
- SPARC data plan in https://pubs.aip.org/aip/pop/article/30/9/090601/2909870/SPARC-as-a-platform-to-advance-tokamak-science
- *CFS: MOSAIC will be an open-source platform*
  - *Use IMAS IDS via OMFIT (GA open-source) for configuration/input/output*
  - *MOSAIC: Modeling framewOrk for ScenArIos and Control*
    - *Collaborative, flexible framework for Pulse Planning and Pulse Simulating*
    - *Can be slower than real-time, but specifically aims at below x10 real time*
- CFS: some tools and data at https://github.com/cfs-energy
- *HEAT (Heat flux Engineering Analysis Toolkit) is open source, coded in python, ships in a docker container, and has a growing community of users (https://github.com/plasmapotential/HEAT)*

Status of gitlab container issues:

- https://gitlab.eufus.psnc.pl/containerization/imas/uda-demo/-/issues/?sort=created_date&state=all&first_page_size=20
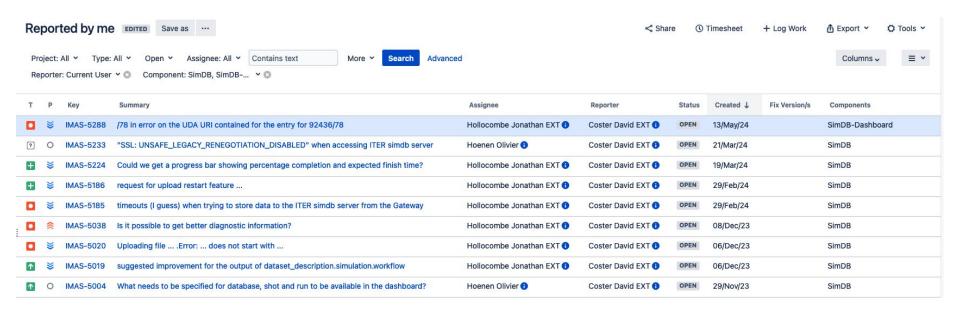
Containerization / IMAS / UDA demo / **Issues**

Open 2   Closed 1   All 3   **New issue**

Search or filter results...   Created date

healthcheck suspected of triggering error messages in the Error.log file
#3 · created 1 week ago by David

logrotate or similar for UDA log files
#2 · created 1 week ago by David

As reported at the DMP meeting on 2024-03-20, there was a 30 second delay for the initial UDA access   Closed 2
#1 · created 3 months ago by David   closed 3 months ago

Status of github UDA issues:

- https://github.com/ukaea/UDA/issues/created_by/@me

Filters ▾ | 🔍 is:open is:issue author:@me | 🏷 Labels 9 | 🏁 Milestones 2 | New issue

❌ Clear current search query, filters, and sorts

⊙ **3 Open** ✓ 0 Closed | Author ▾ | Label ▾ | Projects ▾ | Milestones ▾ | Assignee ▾ | Sort ▾

⊙ **Do we understand the performance of UDA?** 💬 3
  #39 opened 2 weeks ago by DavidPCoster

⊙ **script to analyse the Access.log file** `enhancement`
  #38 opened 2 weeks ago by DavidPCoster

⊙ **[handshakeClient] [Protocol 10 Error (Client Block)]** 💬 4
  #37 opened 2 weeks ago by DavidPCoster

Status of ITER Jira simdb issues:

- https://jira.iter.org/issues/?filter=-2&jql=status%20%3D%20Open%20AND%20component%20in%20(SimDB%2C%20SimDB-Dashboard)%20AND%20reporter%20in%20(currentUser())%20order%20by%20created%20DESC

SIMDB ingestion of 48 ETS-PAF cases

Smallest case, 3.44 GB, took 116 seconds

Largest case, 182 GB, took 5041 seconds

Average ingestion speed of 30 elapsed seconds / GB (+- 10%)

Longest case took just under 1.5 hours to ingest

I don't know how long the "push" operation will take …

Elapsed/GB vs. GB