

# 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.psnec.pl/containerization/imas/uda-demo/-/issues/?sort=created\\_date&state=all&first\\_page\\_size=20](https://gitlab.eufus.psnec.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

#1 · created 3 months ago by David

Closed



2

closed 3 months ago

# Status of github UDA issues:

- [https://github.com/ukaeea/UDA/issues/created\\_by/@me](https://github.com/ukaeea/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 ▾ |
|--|----------|---------|------------|--------------|------------|--------|
| 🕒 <b>Do we understand the performance of UDA?</b> <span>🗨 3</span>             |          |         |            |              |            |        |
| #39 opened 2 weeks ago by DavidPCoster   |          |         |            |              |            |        |
| 🕒 <b>script to analyse the Access.log file</b> <span>enhancement</span>        |          |         |            |              |            |        |
| #38 opened 2 weeks ago by DavidPCoster   |          |         |            |              |            |        |
| 🕒 <b>[handshakeClient] [Protocol 10 Error (Client Block)]</b> <span>🗨 4</span> |          |         |            |              |            |        |
| #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%200component%20in%20\(SimDB%2C%20SimDB-Dashboard\)%20AND%20reporter%20in%20\(currentUser\(\)\)%20order%20by%20created%20DESC](https://jira.iter.org/issues/?filter=-2&jql=status%20%3D%20Open%20AND%200component%20in%20(SimDB%2C%20SimDB-Dashboard)%20AND%20reporter%20in%20(currentUser())%20order%20by%20created%20DESC)

Reported by me

EDITED

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Tools

Project: All Type: All Open Assignee: All Contains text More Search Advanced

Reporter: Current User Component: SimDB, SimDB-...

Columns

≡

| T | P | Key       | Summary   | Assignee                | Reporter         | Status | Created ↓ | Fix Version/s | Components      |
|---|---|-----------|---|-------------------------|------------------|--------|-----------|---------------|-----------------|
|   |   | IMAS-5288 | /78 in error on the UDA URI contained for the entry for 92436/78                        | Hollocombe Jonathan EXT | Coster David EXT | OPEN   | 13/May/24 |               | SimDB-Dashboard |
|   |   | IMAS-5233 | "SSL: UNSAFE_LEGACY_RENEGOTIATION_DISABLED" when accessing ITER simdb server            | Hoenen Olivier          | Coster David EXT | OPEN   | 21/Mar/24 |               | SimDB           |
|   |   | IMAS-5224 | Could we get a progress bar showing percentage completion and expected finish time?     | Hollocombe Jonathan EXT | Coster David EXT | OPEN   | 19/Mar/24 |               | SimDB           |
|   |   | IMAS-5186 | request for upload restart feature ...  | Hollocombe Jonathan EXT | Coster David EXT | OPEN   | 29/Feb/24 |               | SimDB           |
|   |   | IMAS-5185 | timeouts (I guess) when trying to store data to the ITER simdb server from the Gateway  | Hollocombe Jonathan EXT | Coster David EXT | OPEN   | 29/Feb/24 |               | SimDB           |
|   |   | IMAS-5038 | Is it possible to get better diagnostic information?                                    | Hollocombe Jonathan EXT | Coster David EXT | OPEN   | 08/Dec/23 |               | SimDB           |
|   |   | IMAS-5020 | Uploading file ... .Error: ... does not start with ...                                  | Hollocombe Jonathan EXT | Coster David EXT | OPEN   | 06/Dec/23 |               | SimDB           |
|   |   | IMAS-5019 | suggested improvement for the output of dataset_description.simulation.workflow         | Hollocombe Jonathan EXT | Coster David EXT | OPEN   | 06/Dec/23 |               | SimDB           |
|   |   | IMAS-5004 | What needs to be specified for database, shot and run to be available in the dashboard? | Hoenen Olivier          | Coster David EXT | OPEN   | 29/Nov/23 |               | SimDB           |

# 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

