

DMP Implementation Status of IPP

2025-03-19

IMAS versions updated on the TOK and Citrix systems

- No change

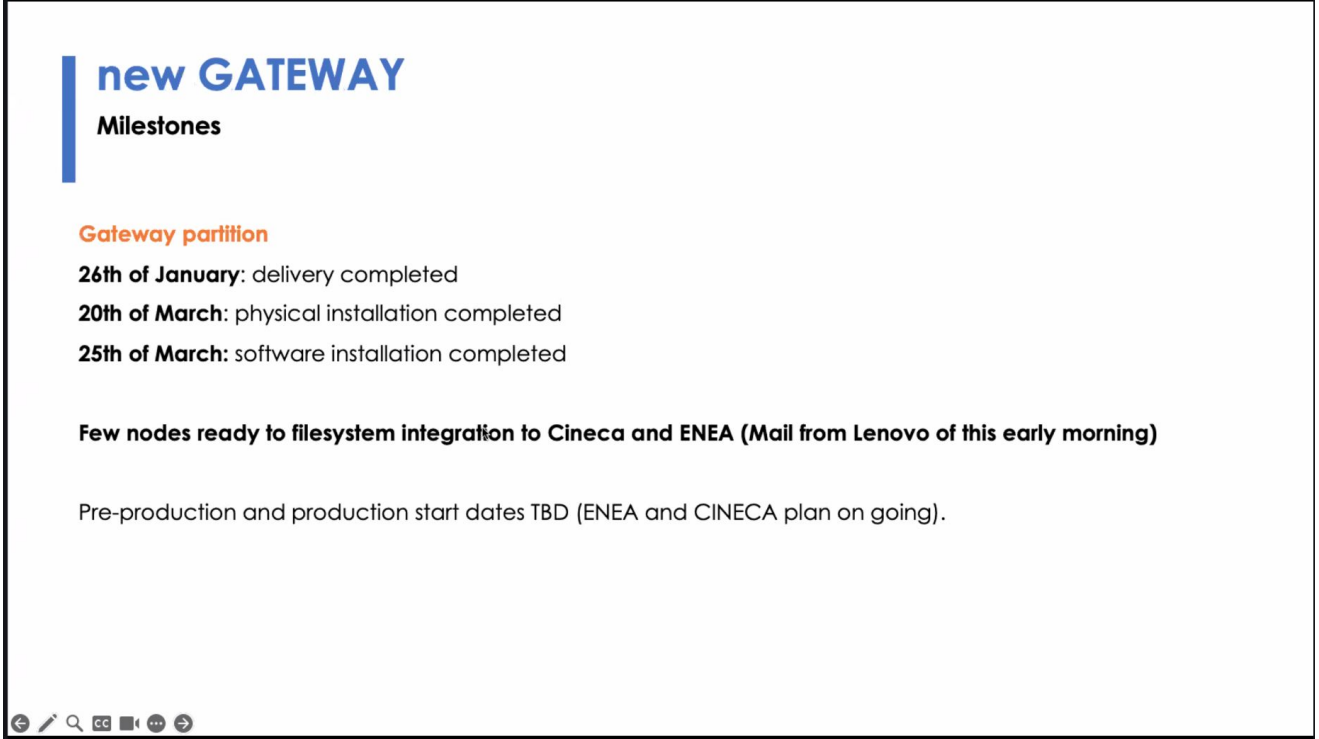
DD	AL	TOK cluster	Citrix system
3.38.1	4.11.4		2023-06-08
3.39.0	4.11.5	2023-07-26	2023-07-31
3.39.0	5.0.0	2023-10-10	
3.41.0	4.11.10	2024-04-17	
3.41.0	2024.07-foss-2023b		2024-08-11
3.42.0	2024.08-foss-2023b		2024-08-13
3.42.0	2024.08.1-foss-2023b	2024-08-23	2024-08-22
3.42.0	2024.08.1-intel-2023b	2024-08-23	2024-08-22
3.42.0	4.11.10		2024-10-09
3.42.0	2024.09-foss-2023b	2024-10-21	2024-10-21
3.42.0	2024.09-intel-2023b	2024-10-21	2024-10-21
4.0.0	2024.12-foss-2023b	2025-01-22	2025-01-22
4.0.0	2024.12-intel-2023b	2025-01-22	2025-01-22

Simdb1 giving problems (again)

- simdb sim push 0c558d6c-f4e6-11ef-830b-0894ef442712
 - Error: Failed to parse validation schema

Gateway timetable

- ENEA says they need ~ 4 weeks to install software and copy data
- Estimate of 4 weeks to install and test IMAS and related software
- General access June 2025?
- Still not clear when compatible virtual machines will be available



The screenshot shows a presentation slide with the following content:

- new GATEWAY**
- Milestones**
- Gateway partition**
- 26th of January:** delivery completed
- 20th of March:** physical installation completed
- 25th of March:** software installation completed
- Few nodes ready to filesystem integration to Cineca and ENEA (Mail from Lenovo of this early morning)**
- Pre-production and production start dates TBD (ENEA and CINECA plan on going).

At the bottom of the slide, there is a navigation bar with icons for back, search, refresh, and forward.

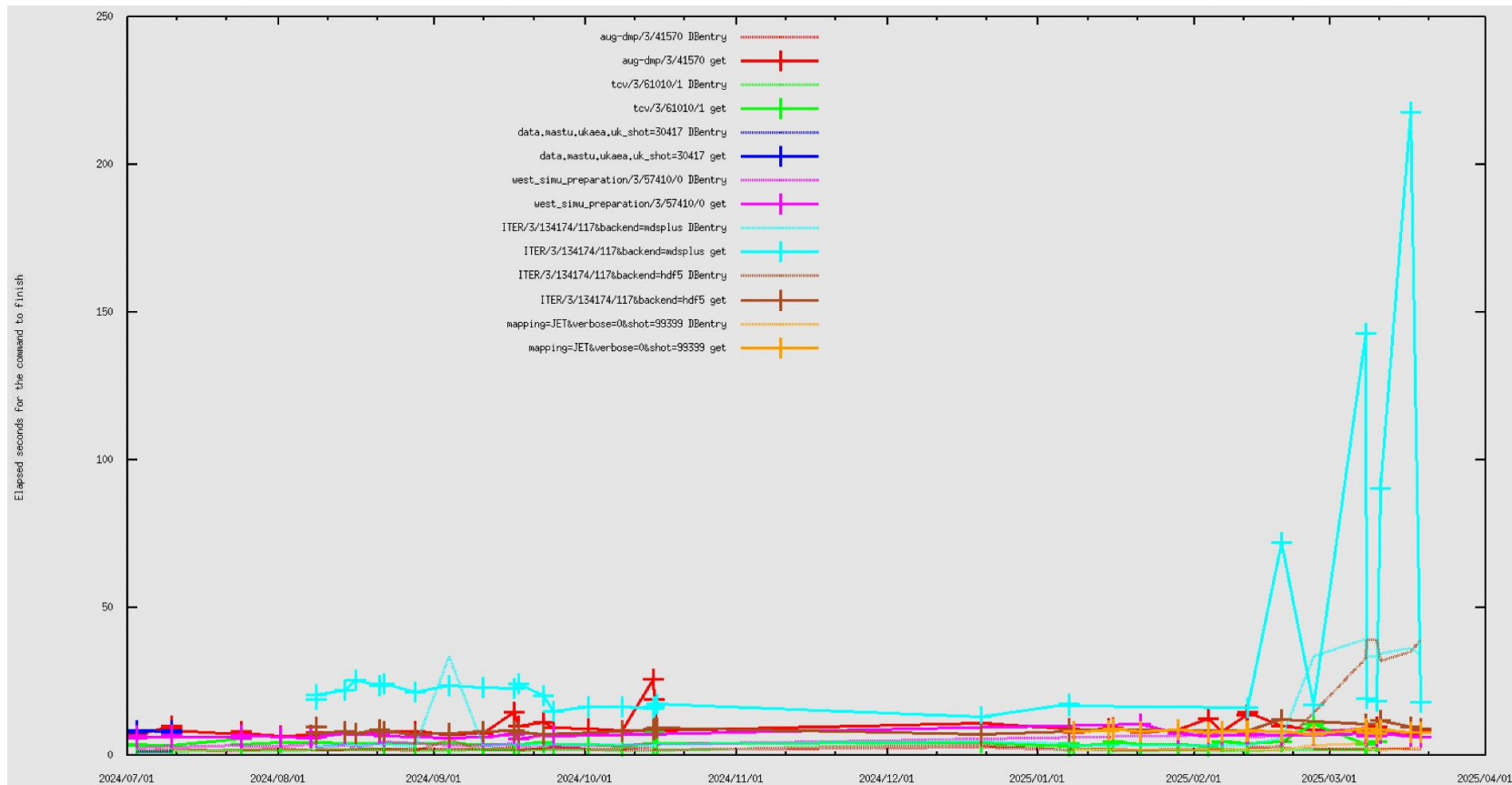
Gateway timetable

- Still not clear when compatible virtual machines will be available
- Potential issue with Lustre file system on main Pitagora which might impact deployment on Gateway

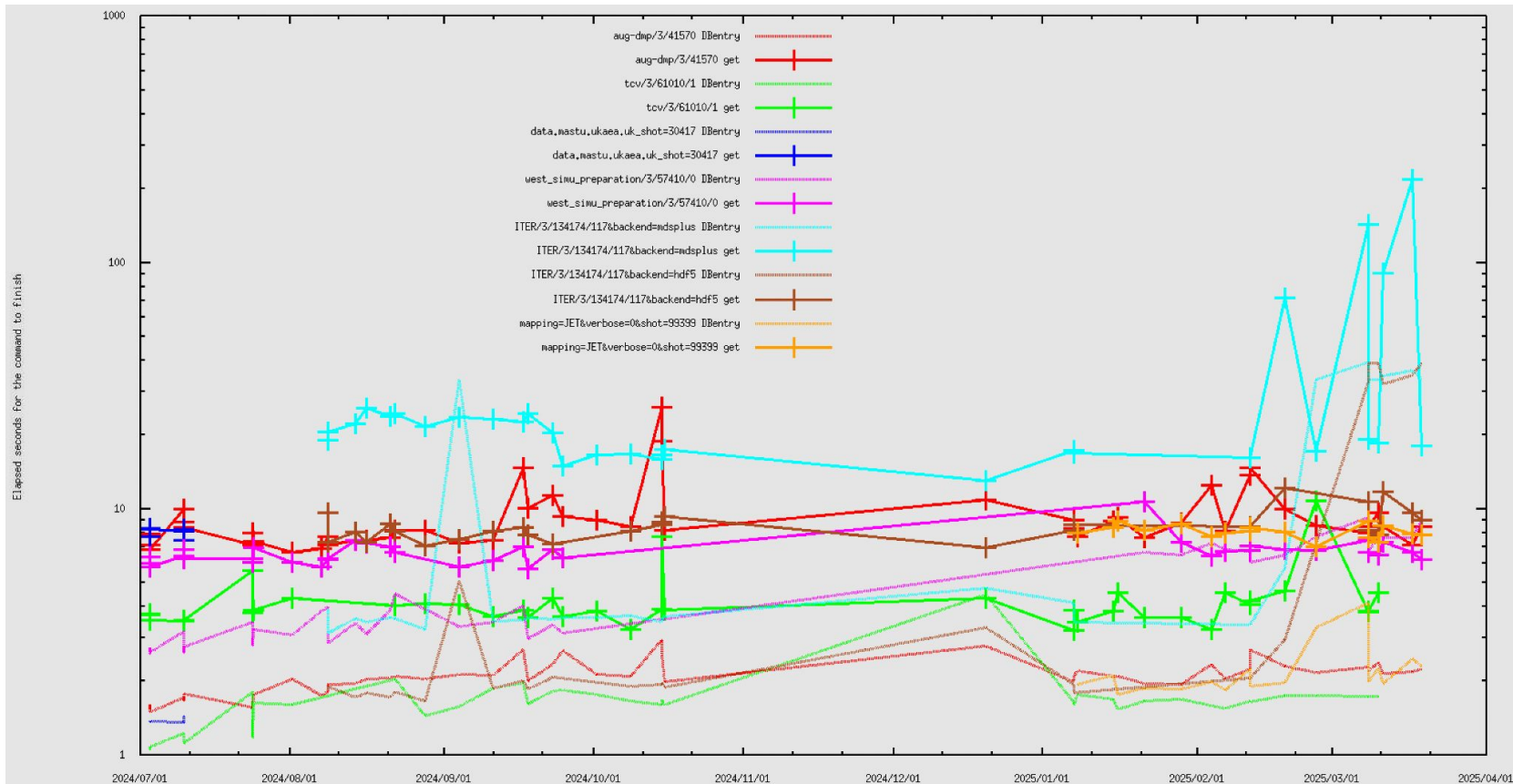
GATEWAY CURRENT ISSUES, ACTIONS & INFOS (II)

- ✓ ACH PSNC request
 - 2 VMs with software resources close to the final new Gateway configuration
 - AFS will be dismissed on new Gateway
 - Lustre is needed to deploy the VMs
 - ENEA is waiting for CINECA to start new Gateway hardware deployment (not before Mar.20th)
 - Update after software installation (Mar. 25th)

Data access times



Data access times



Following the MAST entry in the DMP Wiki

- <https://wiki.euro-fusion.org/wiki/DMP#MAST>
 - MAST
 - AL-5.0.0 DD-3.39.1 (currently only supported for this DD version, mapping files created for 3.39.1)
 - Tested on SDCC but should work on the gateway
 - module load IMAS/3.39.0-5.0.0-foss-2022b
 - uri =
'imas://data.mastu.ukaea.uk:56560/uda?mapping=MAST&path=/&verbose=0&shot=30417&batch_size=20'
 -
 - IDS: 'summary'
 -
 - *Warning other shots may fail...
- /uda.py -u
'imas://data.mastu.ukaea.uk:56560/uda?mapping=MAST&path=/&verbose=0&shot=30417&batch_size=20'
 - Accessing data from
imas://data.mastu.ukaea.uk:56560/uda?mapping=MAST&path=/&verbose=0&shot=30417&batch_size=20
 - ERROR:root:b'al_begin_dataentry_action: [ALContextException = URI cannot contain both path and mapping query arguments]'
 - DBEntry failed after 1.298 seconds

Following the MAST entry in the DMP Wiki

- `/uda.py -u`
`'imas://data.mastu.ukaea.uk:56560/uda?mapping=MAST&path=/&verbose=0`
`&shot=30417&batch_size=20'`
 - Accessing data from
`imas://data.mastu.ukaea.uk:56560/uda?mapping=MAST&path=/&verbose=0&shot=30417&batch_size=20`
 - ERROR:root:b'al_begin_dataentry_action: [ALContextException = URI cannot contain both path and mapping query arguments]'
 - DBEntry failed after 1.298 seconds
- `./uda.py -u`
`'imas://data.mastu.ukaea.uk:56560/uda?mapping=MAST&verbose=0&shot=3`
`0417&batch_size=20'`
 - Accessing data from
`imas://data.mastu.ukaea.uk:56560/uda?mapping=MAST&verbose=0&shot=30417&batch_size=20`
 - ERROR:root:b'al_begin_dataentry_action: [ALException = [idamClient]: Protocol 11 Error (Server Block #1)\n]'
 - DBEntry failed after 1.544 seconds