



EIRENE IMASification

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Current EIRENE IMASification status

- IMAS ready CI/CD with DD 3.42.2 and AL 5.4.1
- Minimal IMAS + HLI image present in your container registry (closed source)
- EIRENE CI image builds on top of IMAS image.
- Test references updated based on the new image (floating point precision, #90)
- Merge request ready

CI image: <https://jugit.fz-juelich.de/eirene/eirene-ci-image/-/tree/rockylinux-imas>

Updated testcases: https://jugit.fz-juelich.de/eirene/EIRENE-sample-cases/-/tree/bpogo/test_imas_image
https://jugit.fz-juelich.de/eirene/EIRENE-sample-cases/-/tree/bpogo/test_imas_image_openmp

Main merge request: https://jugit.fz-juelich.de/eirene/eirene/-/merge_requests/295



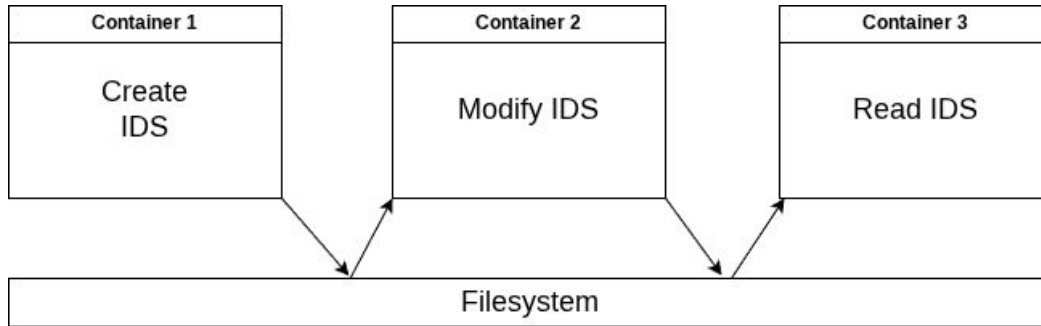
New opensource IMAS images

- New, spack-based, open source repository and container registry of IMAS images
- LGPL, mirroring ITER licence.
- DD \geq 3.42.2, AL \geq 5.5.1
- Previous versions and images archived in closed source repository
- Build your own versions, extend via spack or use prebuild image from container registry

New open source IMAS repository: <https://gitlab.eufus.psnc.pl/ach-open-source/imas-docker>

What is possible with new containers

- Open source IMAS = More codes with common data plane
- Easy coupling with shared filesystem
- Complex simulations with MUSCLE3 (via container execution)



Future work

- Extend container registry with more fusion software
- Intel OneAPI compilation for performance boost



PCSS

Any questions?