

PUNCHLunch –

the online lunch seminar of the PUNCH4NFDI Consortium

Every second Thursday, 12:30-13:30 hrs: keynote and discussion



Thursday, 09 February 2023, 12:30 hrs:

Dr. Fabio Dall'Antonia (European XFEL), Michael Schuh (DESY)

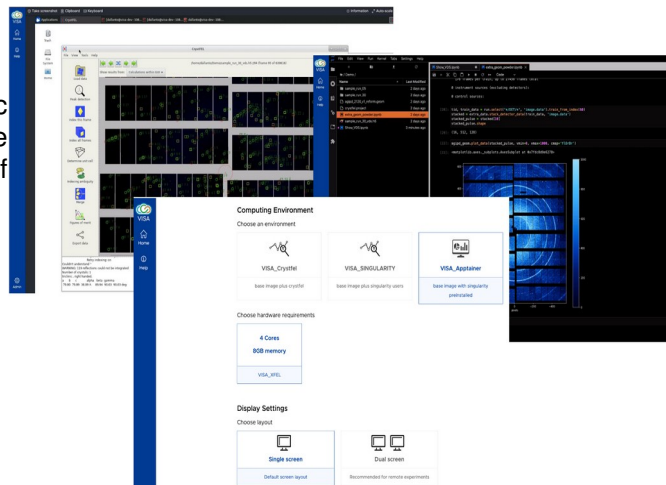
The VISA portal for remote data analysis

Status and future plans for use at DESY and European XFEL

Abstract:

The VISA (Virtual Infrastructure for Scientific Analysis) is one of the main outcomes of the PaNOSC project that was running until end of 2022.

Developed by the Institut Laue–Langevin (ILL) and in production there for more than 2 years with over 1,000 users, VISA has been adopted by most of the PaNOSC facilities and some of the ExPaNDS partners. On the DESY infrastructure there are currently two instances of VISA, under <https://visa.desy.de> and <https://visa.xfel.eu>, deployed on Kubernetes via a GitOps approach, from ILL's official Docker repositories.



VISA delivers virtual machine instances on the DESY OpenStack cluster, for interactive data analysis with JupyterLab and also remote desktops for running GUI software. Currently, open data from "example" experiments from original European XFEL proposals can be selected and mounted from dcache-demo.desy.de. VISA offers to the user a web application, conveniently accessible from anywhere using a browser. Authentication is based on the Helmholtz AAI which handshakes with identity providers from academic institutions as well as GitHub, ORCID and UmbrellaID. For external users a separate authorisation request has to be made to increase the quota for spawning instances.

VISA at DESY and European XFEL has come to a state where we invite interested users to try it and provide feedback on their experience, as well as requirements for software and data. The presentation will also discuss solutions for software integration like CVMFS and formats suitable to run with aptainer/singularity.

Connection details:

ZOOM Meeting “PUNCHLunch seminar”: <https://indico.desy.de/event/38010/>

Webinar ID: 919 1665 4877, passcode: 481572

Next event: to be announced

Connect to PUNCH4NFDI:

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