

Student project at European Spallation Source Data Management and Software Centre



Improve monitoring dashboard for integration testing between DMSC services.



Supervisor	?	Code difficulty	★★★★☆
Co supervisor	mridul.seth@ess.eu	Physics difficulty	★☆☆☆☆

DESCRIPTION

At ESS DMSC, we have multiple teams working on a diverse ecosystem of software, from streaming kafka to writing GUIs for data analysis. As we move towards steady state operations it's important to continuously check the interop layers between these different tools, and we have recently created a static report generator which acts as a dashboard for the integration tests running on a nightly schedule.

This project aims to enhance our static monitoring dashboard. Our integration pipeline runs on GitLab CI and we use this to create the dashboard. By the end of the project, the student will learn about building continuous integration pipelines, frontend development and Python backend development. Depending on the interests of the student we can also explore different tooling while creating this dashboard.

REQUIREMENTS

Experience with the programming language Python and frontend web development (JavaScript, Tailwind).