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## Jiskefet, a bookkeeping application for ALICE

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A new bookkeeping system called Jiskefet is being developed for A Large Ion Collider Experiment (ALICE) during Long Shutdown 2, to be in production until the end of LHC Run 4 (2029).

Jiskefet unifies two functionalities. The first is gathering, storing and presenting metadata associated with the operations of the ALICE experiment. The second is tracking the asynchronous processing of the physics data.

It will replace the existing ALICE Electronic Logbook and AliMonitor, allowing for a technology refresh and the inclusion of new features based on the experience collected during Run 1 and Run 2.

The front end leverages web technologies much in use nowadays such as TypeScript and NodeJS and is adaptive to various clients such as tablets, mobile device and other screens. The back end includes a Swagger based REST API and a relational database.

This paper will describe the current status of the development, the initial experience in detector standalone commissioning setups and the future plans. It will also describe the organization of the work done by various student teams who work on Jiskefet in sequential and parallel semesters and how continuity is guaranteed by using guidelines on coding, documentation and development.

### Consider for promotion

No

**Author:** TEITSMA, Marten (Amsterdam University of Applied Sciences (NL))

**Co-authors:** CHIBANTE BARROSO, Vasco (CERN); Mr BOESCHOTEN, Pascal (CERN); Mr HENDRIKS, Patrick (Amsterdam University of Applied Science)

**Presenter:** TEITSMA, Marten (Amsterdam University of Applied Sciences (NL))

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