

The IBEX web dashboard

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The IBEX Web Dashboard

Scientists, PhD students, commercial users and operational staff at the ISIS Neutron and Muon Source rely on a web dashboard in order to remotely monitor beamline-specific parameters crucial to operations.

Previously, we have used the CS-Studio Eclipse RDB Archive Engine and a bespoke server to parse information from this from the instruments, but this is a difficult solution to maintain.

We have since written a frontend which leverages Phoebus' PV Web Socket (PVWS) module to subscribe to EPICS PVs on instruments themselves, then updates are displayed in a React-based framework via a web-socket.

This talk will explain initial research and implementation details on the new dashboard, along with the benefits of using PVWS over scraping the ArchiveEngine.

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