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EPICS Deployment at Sigray using Docker

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Sigray creates and ships many customised X-ray machines that use EPICS and Synapps as a key part of their control systems. We use docker containerization to maintain a repository of files and scripts that manage creating and running our many and varied EPICS installations, thus allowing us to freeze all software dependencies in one container image and allows us to consistently have the same environment every time.

We call this CIDER: Configuration, Installation, Deployment of EPICS Repositories. CIDER stores all existing dockers in one place. It tracks each machine's settings and PV's, and allows replication, reuse and minor modification of our IOC's.

This talk describes CIDER in more detail.

Primary author: TRUONG, Hong (Sigray)

Co-authors: STRIPE, Benjamin (Sigray); PAISER, Ernesto; SALEH, Ibrahim (Sigray); FARNSWORTH, Richard (Sigray)

Presenters: STRIPE, Benjamin (Sigray); TRUONG, Hong (Sigray)

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