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ScienceBox 2.0

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This contribution reports on the recent revamping of ScienceBox: The container-based stack for science with EOS, CERNBox, and SWAN services.

ScienceBox has been rebuilt from its foundations using modern cloud-native technologies for better service configuration and improved reliability, without compromising on deployment flexibility. Rethinking the whole package also allowed for better alignment of the production services at CERN with their container-based version.

Sciencebox has been tested and deployed on a variety of infrastructures, ranging from tiny deployments on developers' laptops to orchestrated Kubernetes clusters on commercial cloud providers with GPU accelerators and 100s of TBs of storage.

Author: BOCCHI, Enrico (CERN)

Presenter: BOCCHI, Enrico (CERN)

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