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Update on Deployment tools at BESSY II Beamlines

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With its more than 40 beamlines, BESSY II offers a multi-faceted suite of experimental opportunities. The facility is over 25 years old and in that time a mixture of very diverse control solutions has evolved. The cyberattack in June 2023 was an opportunity to review the current status and consider alternatives.

Leveraging standard open-source containerization and automation tools, the department has streamlined the deployment process of EPICS based services. This modern approach ensures the efficient encapsulation of applications and their dependencies. It is part of an ongoing effort to make use of industry standard open source tools to promote the recruitment of new IT staff and make it easier to capitalize on innovations.

Primary authors: PORZIO, Luca (HZB); BAJDEL, Marcel (HZB)

Co-authors: Mr VADILONGA, Simone (HZB); Mr SMITH, William (HZB)

Presenters: PORZIO, Luca (HZB); BAJDEL, Marcel (HZB)

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