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Integrating Machine Learning Models into EPICS

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Despite progress in the adoption of machine learning to enhance control, automation and decision making in complex systems such as accelerators, there is not yet a standardized methodology for integrating these models with EPICS. In this presentation, we introduce tools and a template for integrating trained models into EPICS environments. It provides a structured approach to deployment and scalability through containerisation. The presentation will include examples of deployments from the accelerators at the ISIS Neutron and Muon Source.

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