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## Past, present, and future of EPICS Qt

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A serious drawback that exists today is the lack of comprehensive frameworks on which to develop high level applications on top of EPICS. The lack of modern alternatives to antiquated codes has stalled progress in control systems development and presents impending difficulties for both private and public users to maintain EPICS. In the past few years, controls engineers from different accelerator facilities have proposed to extend code-reuse to higher level applications by advocating a modern framework, Qt. The goal of this presentation is to communicate the recent progress of the EPICS Qt collaboration. The EPICS Qt framework is Python, C/C++, and Qt environment. Unlike MEDM and EDM, EPICS Qt is modern, well-documented, and backed by a healthy community. Like Tk, EPICS Qt is free and open source. EPICS Qt offers the potential of seamless integration of MATLAB-like software. Like LabVIEW, EPICS Qt allows for fast prototyping. EPICS Qt's many-language bindings offer existing facilities a smooth transition to a modern high-level framework. EPICS Qt will be viable alternative to CSS through the involvement of the EPICS community and the development of open source tools, ultimately providing a strong foundation for many types of control systems across DOE labs as well as private industries that use DOE accelerator technology.

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