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Jump-Start Control Application Development with ChimeraTK and Python

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Our ChimeraTK software framework enables rapid development of servers interfacing or extending control applications. It abstracts details of hardware access, turning them into a matter of configuration, and provides immediate integration with the FWK firmware framework. Modular libraries for hardware access by commonly used communication busses are included in ChimeraTK DeviceAccess, which features bindings to Matlab, Python, and the command line, as well a graphical user interface.

ChimeraTK ApplicationCore allows for a multi-threaded modular design of complex servers, using code that is fully independent of used control system and hardware access. There is a readily packaged Generic Server, which can be extended by server modules written in Python.

ChimeraTK Control System Adaptors grants freedom of choice of control system integration, such as OPC UA, DOOCS, EPICS or Tango.

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