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Overview of Data Acquisition and Management tools developed at NSLS-II

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As data rates and the need for multi-modal measurements increase so do the requirements for automated collection and curation of the associated meta-data. At NSLS-II we begun to developed a suite of tools for high-level data acquisition and management to address this need. This talk is an overview of the architecture, components in the system: caproto, ophyd, bluesky, and databroker.

These parts each work as stand-alone libraries but are co-designed to work seamlessly together via the Event Model.

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