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Middle Layer Service Framework for NSLS-II Beamlines

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NSLS-II supports the DOE scientific mission by providing the most advanced tools for discovery class science in condensed matter and materials physics, chemistry, and biology - science that ultimately will enhance national and energy security and help drive abundant, safe, and clean energy technologies. The state-of-the-art hardware, the variety of scientific applications, and data size make it difficult to tackle data management challenges using traditional techniques. NSLS-II middle layer framework addresses these challenges in a flexible and efficient fashion via its data indexing capabilities hidden behind a service oriented architecture.

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