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APS Controls Infrastructure Monitoring System

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The Controls (CTL) group at the Advanced Photon Source (APS) is responsible for many services, applications, and over 1,000 production IOCs. This complex infrastructure also requires the CTL group to manage and monitor the status of countless servers and storage drives. The Infrastructure Monitoring System (IMS) was created to maximize system reliability. At the core of IMS are open-source technologies such as Uptime Kuma and Grafana. This talk will outline how these technologies are used, as well as the tools that were developed to integrate IOC status and hardware statistics into IMS.

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