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Monitoring the Green IT Cube

Tuesday 16 April 2024 11:10 (25 minutes)

Managing a data center poses multifaceted challenges, with monitoring emerging as a pivotal aspect for ensuring stability and service quality assurance. Since the first implementation of a monitoring system in the Green IT Cube data center at GSI in 2016, comprising RRDtool and Ganglia, ongoing efforts have been dedicated to enhancing monitoring capabilities. The initial system's tight integration between data storage and visualization layers, along with missing essential features, limited its adaptability to diverse use cases. Consequently, a contemporary system architecture was developed, featuring modular components for data collection, storage, and visualization, leveraging Prometheus, InfluxDB, and Grafana technologies. This talk will address the usage and recent enhancement of the new monitoring components in the Green IT Cube at the GSI.

Desired slot length

Speaker release

Yes

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