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Monitoring your EOSCTA deployment - The general recipe

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Reliable and effective monitoring is essential for smooth operations and for tailoring an EOSCTA deployment to users' needs. Short-term monitoring provides alerting for abnormal system states, and long-term monitoring allows us to track system usage and performance over time.

In this presentation we walk you through the general setup we use for Tier-0 storage at CERN, which allows us to monitor multiple large EOSCTA MGM instances, more than 200 tape servers, and various other machines. The tech stack is easy to access and based on the open source technologies, such as Fluentd, InfluxDB, Rundeck, and Grafana. We will give some examples on how to ingest CTA log files, aggregate monitoring data, and how turn these data points into useful metrics.

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