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Evolution of WLCG monitoring

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The WLCG monitoring system provides a solid and reliable solution that has supported LHC computing activities and WLCG operations during the first years of LHC data-taking. The current challenge consists of ensuring that the WLCG monitoring infrastructure copes with the constant increase of monitoring data volume and complexity (new data-transfer protocols, new dynamic types of resource providers - cloud computing). At the same time, simplification of the monitoring system is desirable in order to reduce maintenance and operational costs.

The current evolution of the system aims to achieve these two goals: decrease the complexity of the system and ensure its scalability and performance with the steady increase of monitoring information. The presentation will describe the new WLCG monitoring platform including the new technology stack for large-scale data analytics.

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