

Monitoring Windows Server Infrastructure using Open Source products

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More than 500 servers are actively managed by the Windows Infrastructure team on the CERN site. These servers run critical services for the laboratory such as controlling some of the accelerator most critical systems through Terminal Servers, managing all CERN users and computers registered in Active Directory, hosting accelerator designs in DFS storage or enabling Engineering software licensing. Having full time visibility on their state is critical for a smooth operation of the laboratory. In 2021, in the context of replacing Microsoft System Center Configuration manager as an in-depth Windows host monitoring system, a project was launched to implement an open source lightweight icinga2 ecosystem. This presentation will describe the implementation of such system and the technical choices and configurations made to transparently deploy and manage the icinga2 infrastructure across the Windows Infrastructure at CERN.

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