Contribution ID: **187**   Type: **Poster**

Monitoring the OSDF - Open Science Data Federation

Thursday, 14 March 2024 16:10 (30 minutes)

Extensive data processing is becoming commonplace in many fields of science, especially in computational physics. Distributing data to processing sites and providing methods to share the data with others efficiently has become essential. The Open Science Data Federation (OSDF) builds upon the successful StashCache project to create a global data distribution network. The OSDF expands the StashCache project to add new data origins and caches (14 origins and 32 caches), new access methods, and more monitoring and accounting mechanisms. Additionally, the OSDF has become an integral part of the U.S. national cyberinfrastructure landscape due to the sharing requirements of recent NSF solicitations, which the OSDF is uniquely positioned to enable. To monitor all the OSDF services were created, and improved scripts, data collectors, and data visualizations. This system makes it possible to check the OSDF's health during all operations.

Significance

References

Experiment context, if any

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Session Classification: Poster session with coffee break

Track Classification: Track 1: Computing Technology for Physics Research