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Current and Future Accounting with AUDITOR

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In the realm of High Throughput Computing (HTC), managing and processing large volumes of accounting data across diverse environments and use cases presents significant challenges. AUDITOR addresses this issue by providing a flexible framework for building accounting pipelines that can adapt to a wide range of needs. At its core, AUDITOR serves as a centralized storage solution for accounting records, facilitating data exchange through a REST interface. This enables seamless interaction with the other parts of the AUDITOR ecosystem: the collectors, which gather accounting data from various sources and push it to AUDITOR, and the plugins, which pull data from AUDITOR for subsequent processing. The modular nature of AUDITOR allows for the customization of collectors and plugins to match specific use cases and environments, ensuring a tailored approach to the management of accounting data.

Future use cases that could be realized with AUDITOR are e.g. the accounting of GPU resources or the accounting of variable core power values of computing nodes due to dynamic adjustments of the CPU clock frequency.

This presentation will outline the structure of the AUDITOR accounting ecosystem, demonstrate existing accounting pipelines, and show how AUDITOR could be extended to account environmentally sustainable computing resources.

Desired slot length

15

Speaker release

Yes

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