Scientific Computing Monitoring Workshop

Report of Contributions

Contribution ID: **3**   Type: **not specified**

Introduction and Monitoring Overview

Wednesday, 24 July 2024 09:00 (45 minutes)

Introduction to Landscape - navigating dashboards, interacting with Grafana, and finding relevant information, with a focus on batch job and related resource monitoring.

Presenter: RETZKE, Kevin (FNAL)

Session Classification: Scientific Computing Monitoring

Contribution ID: 4　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Advanced Data Analysis

Wednesday, 24 July 2024 11:00 (30 minutes)

Using Kibana for ad-hoc and deep data exploration and troubleshooting, and directly accessing data for nonstandard usage.

Presenter: RETZKE, Kevin (FNAL)

Session Classification: Scientific Computing Monitoring

Contribution ID: **5**   Type: **not specified**

Open Discussion on Experiment Monitoring

Wednesday, 24 July 2024 11:45 (15 minutes)

Have any questions, concerns, or feedback about the current and future state of scientific computing monitoring for experiments and users? This is an opportunity to bring them up in an informal discussion.

Session Classification: Scientific Computing Monitoring

Contribution ID: **7**   Type: **not specified**

Adding observability to the Managed Tokens Service

Wednesday, 24 July 2024 13:45 (15 minutes)

Presenter: BHAT, Shreyas (Fermilab)

Session Classification: Scientific Computing Monitoring

Contribution ID: **8**   Type: **not specified**

Hands on: Instrumenting Applications / Sending Data

Wednesday, 24 July 2024 15:15 (45 minutes)

Bring your laptop for an interactive demo of adding instrumentation to a toy application and sending it to Landscape.

Presenter: RETZKE, Kevin (FNAL)

Session Classification: Scientific Computing Monitoring

Contribution ID: **10**
Type: **not specified**

The shape of data

Wednesday, 24 July 2024 13:00 (30 minutes)

Introduction to types of data that can be collected, what can be done with it, and what best practices you should follow.

Presenter: RETZKE, Kevin (FNAL)

Session Classification: Scientific Computing Monitoring

Contribution ID: **11**   Type: **not specified**

Discussion: Towards a Holistic View of Batch Jobs, Data Transfers, and Storage

Wednesday, 24 July 2024 14:30 (15 minutes)

Discussion on the state and future of combined monitoring, understanding usage patterns and where the resource contention and bottlenecks are at any given time - compute resources, network, dCache, tape?

Presenter: RETZKE, Kevin (FNAL)

Session Classification: Scientific Computing Monitoring

Contribution ID: **12**　　　　　　　　　　　　　　　　　Type: **not specified**

Distributed tracing for jobs: jobsub and beyond

Wednesday, 24 July 2024 10:45 (15 minutes)

Presenters: MENGEL, Marc (Fermilab); BHAT, Shreyas (Fermilab)

Session Classification: Scientific Computing Monitoring

Contribution ID: **13**   Type: **not specified**

Monitoring the CMS LPC jobs and resources

Wednesday, 24 July 2024 09:45 (15 minutes)

Landscape grew out of FIFE batch monitoring, but it also serves CMS users, where everything is similar, but different. What can FIFE and DUNE learn from CMS, and vice-versa?

Presenter: TONJES, Marguerite

Session Classification: Scientific Computing Monitoring

Contribution ID: **14**

Type: **not specified**

Monitoring all the data transfers: Rucio, SAM, FTS, etc

Wednesday, 24 July 2024 13:30 (15 minutes)

Presenter: WHITE, Brandon (Fermilab)

Session Classification: Scientific Computing Monitoring

Contribution ID: **15** 　　　　　　　　　　　　　　　　　　　　 Type: **not specified**

Monitoring the EAF

Wednesday, 24 July 2024 15:00 (15 minutes)

The Elastic Analysis Facility is the next-generation interactive computing facility for users, providing scalable on-demand resources though "cloud native" technologies like Kubernetes (OKD) and Ceph, with extensive Prometheus metrics and logs for observability.

Presenter:　HOLZMAN, Burt (FNAL)

Session Classification:　Scientific Computing Monitoring