



Fifemon Tutorial

Kevin Retzke
FIFE Workshop
22 June 2017

We'll do it live!

Follow along:

<https://fifemon.fnal.gov/tutorial>

Feel free to interrupt with
questions

- Personal profile/options
(<https://fifemon.fnal.gov/monitor/profile>)
 - Theme
 - Homepage
- Dashboard list/navigation
- Starring dashboards

Dashboard Basics

- Timepicker
- Template variables
- Sharing dashboards
- Viewing individual graphs
 - Showing/hiding series
 - Sharing graphs
 - Sharing/embedding graph as image
 - Exporting data

User Navigation

- [Home page](#)
- [User overview](#)
 - Job Activity
 - **Instantaneous** CPU efficiency for all running jobs
 - Data transfer activity
- [User batch details](#)
 - More detailed job activity
 - List of **active** jobs
- [User batch history](#)
 - List of **completed** jobs
- [Job Cluster Summary](#)
 - (discussion below)
- [Job sandbox files](#)
 - Scripts, stdout, stderr
- [SAM Station \(if applicable\)](#)
 - Detailed SAM project status/history
- [SAM Project Summary](#)
 - List of jobs for a SAM project
- Is something wrong?
 - [SCD Outage Calendar](#)
 - [FIFE Summary](#)
 - [GPGrid Summary](#)
- [Help](#)
 - Stuck? Open a service desk ticket to Distributed Computing Support

"Some of my jobs are getting held for exceeding time. How can I find out why?"

"Some of my jobs are getting held for exceeding time. How can I find out why?"
Logs from held jobs are not available (yet). But, monitoring can give clues.

- [Job Cluster Summary](#)
 - Batch events - jobs starting, finishing, etc
 - IFDH events - transfers starting, finishing
 - In this case, transfers starting but not finishing -> slow transfer? dcache issues?
 - Check [dCache queue](#)
- Large queue. Why?
 - High demand? (see active transfers graph)
 - Slow transfers?
 - Stuck transfers?
- Stuck for several hours? Open service desk ticket!

Deep-dive with Kibana

- [IFDH events](#)
 - Where are transfers going from & to?
- [Fifebatch logs](#)
 - Where did jobs run?
- [Fifebatch jobs](#)
- How much memory did jobs use?
 - [Visualize](#)

What do you want to know more about?