



FIFE Workshop

FIFEMon



JOB EXECUTION AND MANAGEMENT

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FIFEMon – Why does it exist?

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- Gathers data from many different services and systems and displays data in one place
 - Allows comparing multiple metrics with one timeline
 - Quickly see what is causing inefficiencies in the analysis system
 - Quickly identify problems by relating “events” to each other
 - Verify systems and services are up and running

FIFEMon – What does it show?

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- Gives you a quick view of the current status of the analysis system
 - See the running jobs
 - Efficiency of the running jobs
 - Will integrate BlueArc monitoring soon
 - CPN usage
 - Quota and filesystem usage
 - Enstore activity
 - Anything else we need it to show, what should we add?

FIFEMon - Architecture

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- Many different collector scripts pooling historical data in RRD and on monitoring machine
- Implemented as a WSGI python server
- Uses Google visualization javascript clients pulling data from MAAWS rrd server
- Easy to add new time series data graphs

FIFEMon – What does it look like?

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- Each experiment has their own page we can customize
 - Interactive machine load for instance
 - Queues for production data upload to tape



FIFEMon - Future

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- Monitoring is an ever changing endeavour as the systems are better understood and change over time
- Mobile page useful?? – <http://fifemon1/monitor/user/boyd/mobile>
- Job status updates in real time
- Viewing of logs and processes in running grid jobs
- Project is tracked in Redmine
- Lots of current issues, send in more!!

FIFEMon

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- **Documentation**

- [http\(s\)://fifemon1.fnal.gov/monitor](http(s)://fifemon1.fnal.gov/monitor)
- users guide coming
- <https://cdcvns.fnal.gov/redmine/projects/rexmon/issues>
- Email me or open a service desk ticket with new requests