

Monitoring with syslog-ng, Riemann and Kibana

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@balabit



OSDC.de
OPEN SOURCE DATA
CENTER CONFERENCE

syslog-ng

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- Open source event processor and swiss army knife

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- Collects, parses, filters, transforms, transfers events
- Wide variety of plugins
- A sizable, helpful and very inclusive community

Riemann

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- Riemann monitors distributed systems

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- Event aggregator with a powerful stream processing language

Riemann

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- Event aggregator with a powerful stream processing language
- Provides a low-latency, transient shared state

Kibana

Kibana

- Visualize logs and time-stamped data

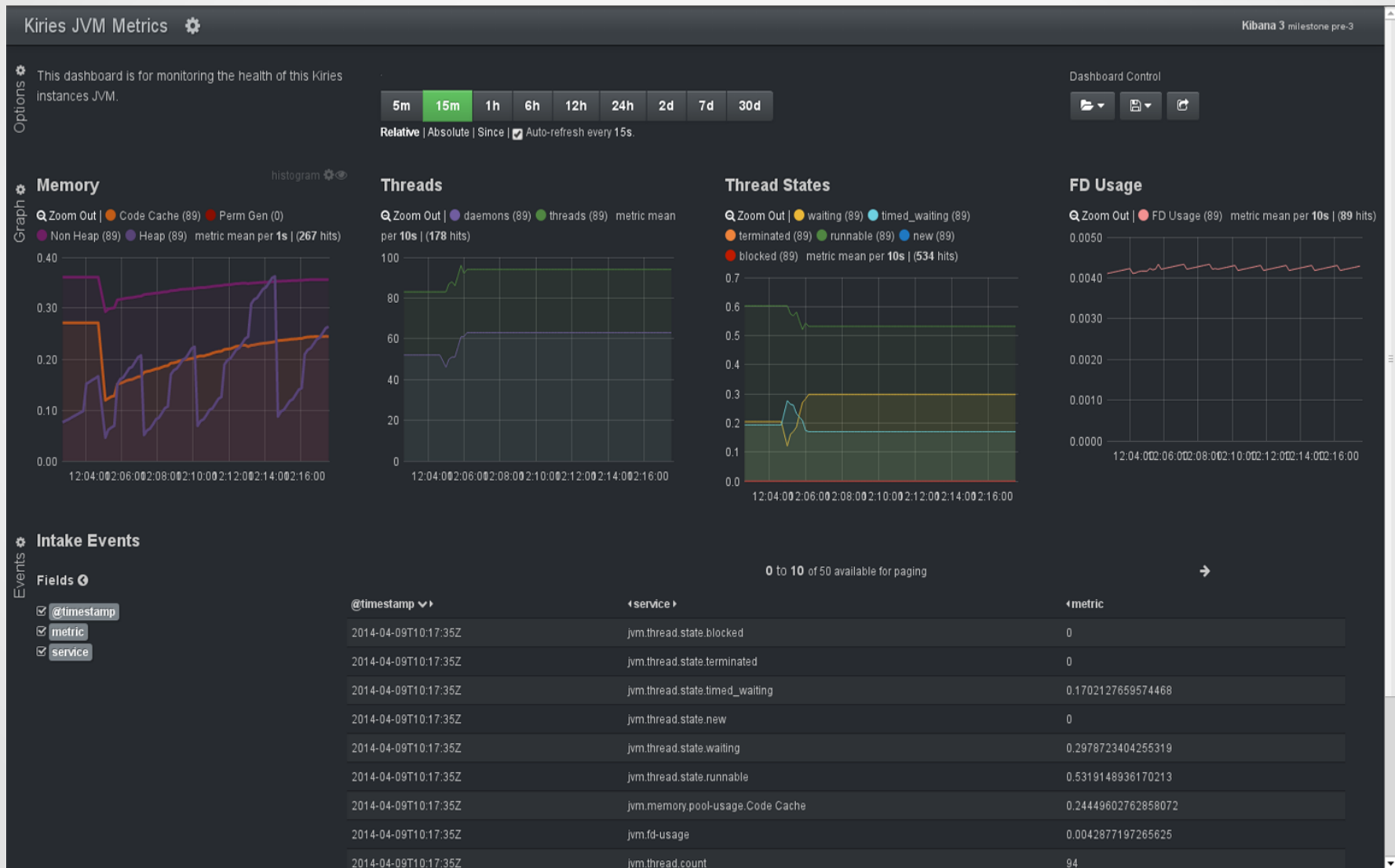
Kibana

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- Visualize logs and time-stamped data
- Powerful search syntax
- Flexible, powerful, yet intuitive interface

Kibana



Monitoring

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What

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What

- System state

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What

- System state
- Application state

Monitoring

What

- System state
- Application state
- Exceptions

Monitoring

What

- System state
- Application state
- Exceptions
- Activity

Monitoring

Tools

Monitoring

Tools

- Nagios
- Collectd
- Munin

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Logging



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- Structured vs unstructured

Logging

- Persisting application state
- Format is usually application specific
- Structured vs unstructured
- Great source for monitoring too!

Monitoring + Logging

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- What do we already have?

Monitoring + Logging

- What do we already have?
- What can we add?

Monitoring + Logging

- What do we already have?
- What can we add?
- How will we benefit from all of this?

Q & A

Thanks!

- <http://www.syslog-ng.org/>
- <https://github.com/balabit/syslog-ng-incubator>
- <https://talien.blogs.balabit.com/>
- <https://algernon.blogs.balabit.com/>