

Some title...

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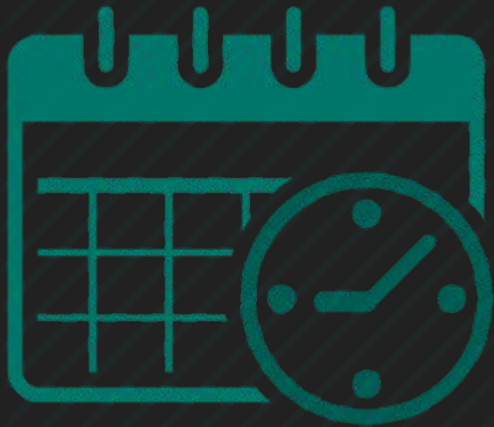
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delivering hire insights.

Dice



Overview of tools & terminology

Instrumenting our applications “the hard way” with examples

Instrumenting our applications “the easy way” with examples

A few more examples just for funsies

Why Bother?

Observing vs. Alerting vs. Dashboards

Instrumenting from our applications

Build applications with instrumentation
in mind from the beginning

AND develop all of your instrumentation
“on your machine” as you build the
application



Tools & Terminology



JMX : Java Management Extensions

Jolokia : Expose JMX through endpoints

Hawtio : Explore the endpoints

Influxdb : Time Series Database

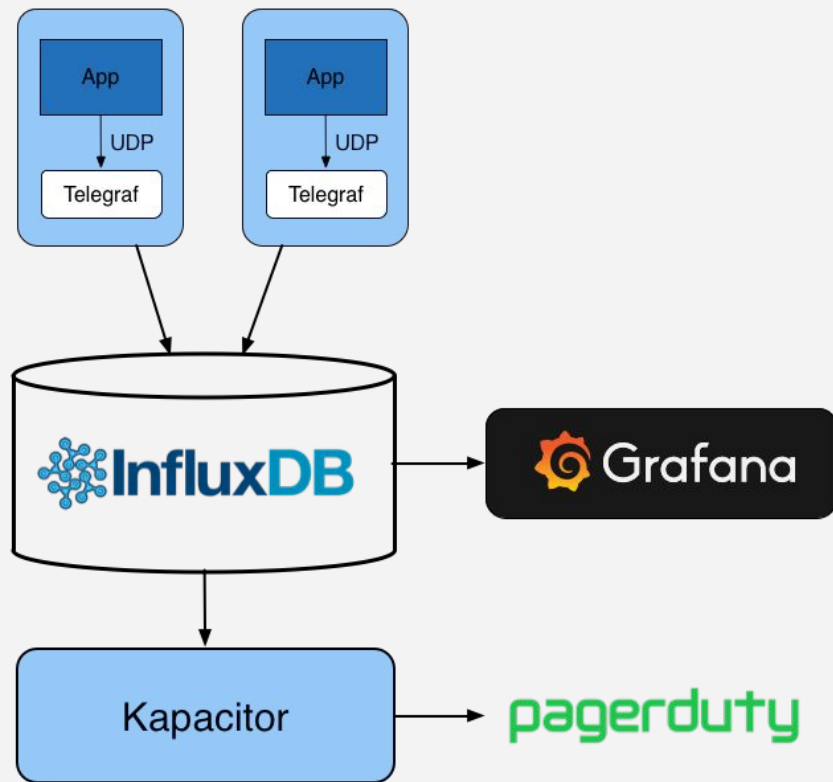
Telegraf : Collect & Process

Chronograf : Browse

Grafana : Create Dashboards

Kapacitor : Stream Processing & Alerting

This is DevOps



Let's connect some containers!



Network Config

Influx Docker Setup

Chronograf Docker Setup

Grafana Docker Setup

A large, dense pile of multi-colored polyhedral dice, including d4s, d6s, d8s, d10s, d12s, and d20s. The dice are in various colors like blue, green, red, yellow, and grey, and feature different numbers and symbols such as dots and mathematical signs. The text "Let's do it for real..." is centered over the image in a white, bold, sans-serif font.

Let's do it for real...

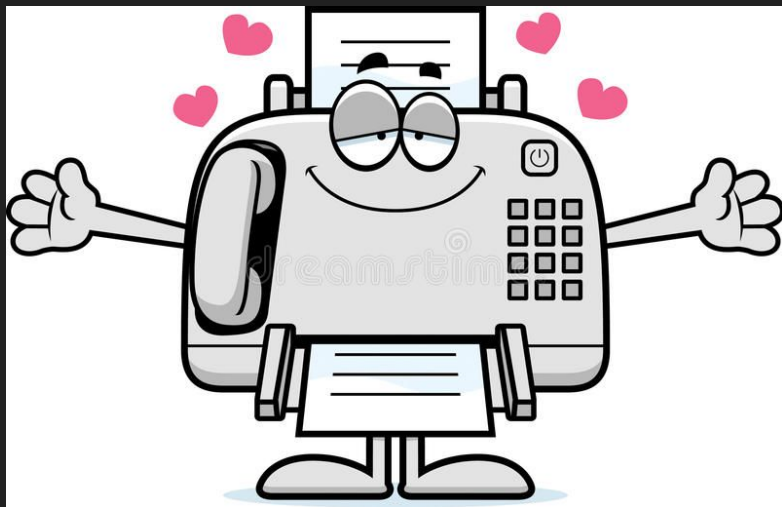
Custom Metrics



Output additional data by exposing it through JMX or custom application endpoints.

If you are using spring boot you can extend actuator functionality to report metrics. Otherwise configure Telegraf to forward them.

Questions?



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Slides & Examples:

<https://github.com/jessiepuls/2018-09-cijug>