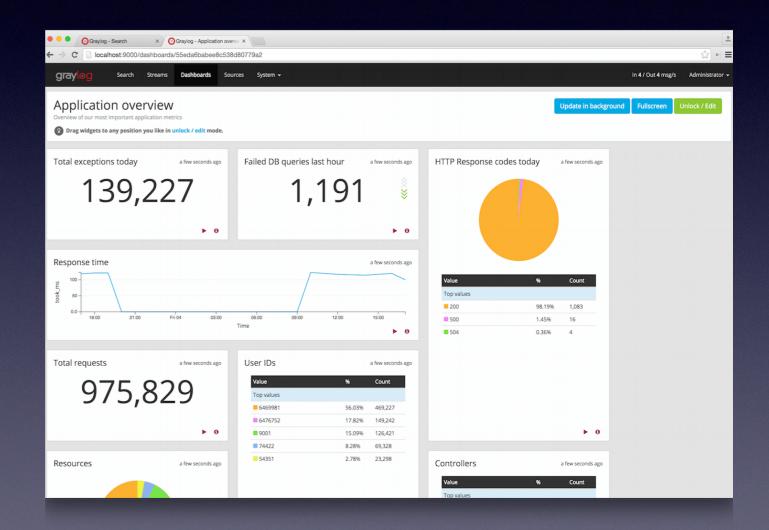
# Graylog

overview and usage

#### Basic features

- single log entry point
- full-text indexing
- flexible search engine
- dashboards
- analytics abilities
- wide range input types
- REST API
- open source



#### Plan

- 1. About logging
- 2. Graylog Inputs
- 3. Java configuration for Graylog
- 4. GrayLog Web interface overview
- 5. Demo



Владимир Красильщик— Что надо знать о логировании прагматичному Java-программисту <a href="https://youtu.be/j-i3NQiKbcc">https://youtu.be/j-i3NQiKbcc</a>

# Java logging frameworks

- Java Util logging (JUL/JDK)
- Log4j
- Logback
- Log4j2
- Apache Commons Loggings (JCL) interface
- Simple Logging Facade For Java (SLF4J) interface

# Graylog inputs

#### GELF

- GELF AMQP
- GELF HTTP
- GELF Kafka
- GFLFTCF
- GELF UDP

#### Others

- JSON path from HTTP API
- Random HTTP message generator

#### Raw/Plaintext

- Raw/Plaintext AMQP
- Raw/Plaintext Kafka
- Raw/Plaintext TCP
- Raw/Plaintext UDP

#### Syslog

- Syslog AMQP
- Syslog Kafka
- Syslog TCP
- Syslog UDP

# Graylog Java Config

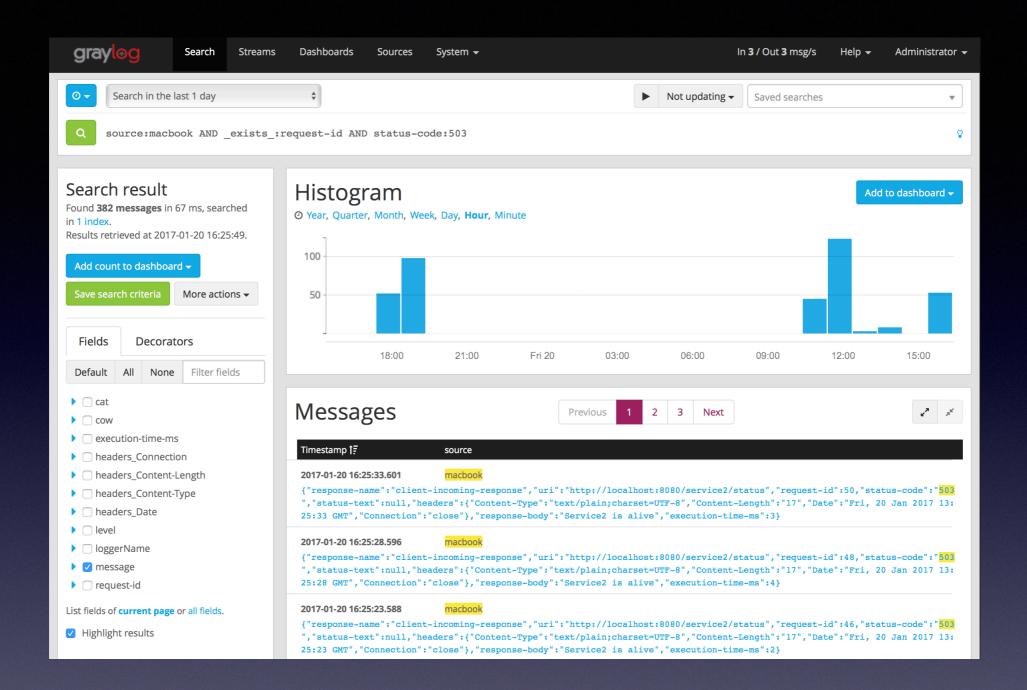
 Logback config file (logback.xml or logbackspring.xml):

Logback GELF appender library (build.gradle):

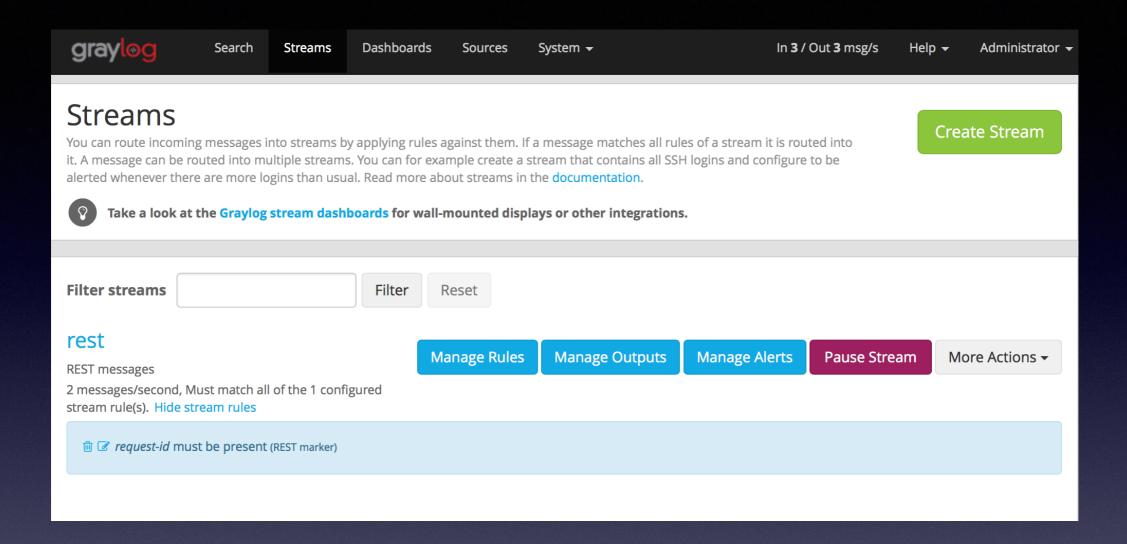
compile('de.appelgriepsch.logback:logback-gelf-appender:1.2.3')

# Graylog web interface components

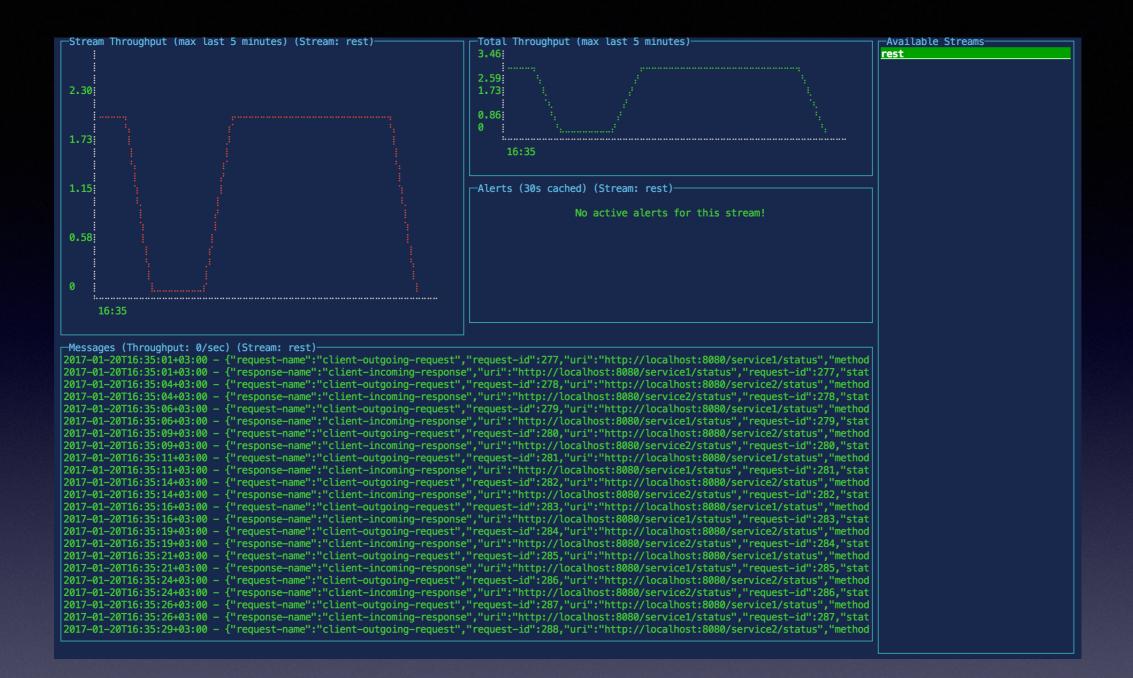
- Search
- Streams
- Dashboards



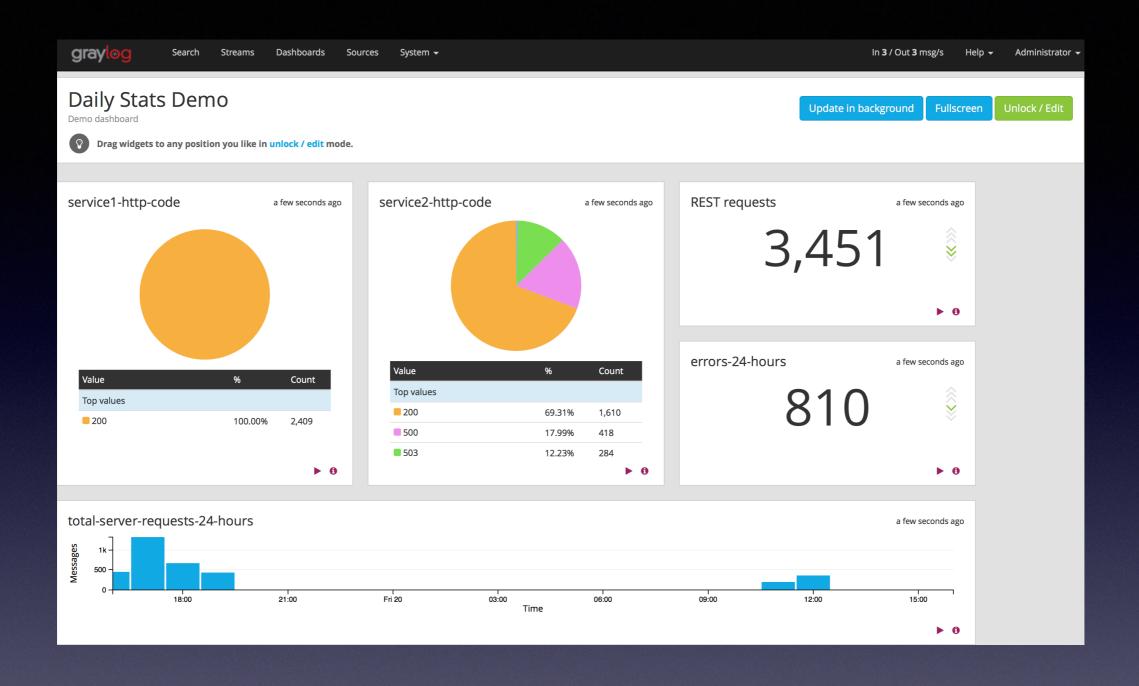
#### Search



# Streams (web)



### Streams (terminal)



### Dashboards

#### Links

- Graylog page: <a href="https://www.graylog.org">https://www.graylog.org</a>
- Graylog search queries: <a href="http://docs.graylog.org/en/2.1/pages/queries.html">http://docs.graylog.org/en/2.1/pages/queries.html</a>
- Graylog dashboard tutorial: <a href="http://docs.graylog.org/en/2.1/pages/dashboards.html">http://docs.graylog.org/en/2.1/pages/dashboards.html</a>
- Graylog CLI dashboard: <a href="https://github.com/Graylog2/cli-dashboard">https://github.com/Graylog2/cli-dashboard</a>
- Logback page: <a href="http://logback.gos.ch">http://logback.gos.ch</a>
- Logback manual: <a href="http://logback.gos.ch/manual/index.html">http://logback.gos.ch/manual/index.html</a>
- Spring boot logging: <a href="https://docs.spring.io/spring-boot/docs/current-snaps-boot/reference/htmlsingle/#boot-features-logging">https://docs.spring.io/spring-boot/docs/current-snaps-boot/doc

### Demo

# Thanks for watching