Graylog

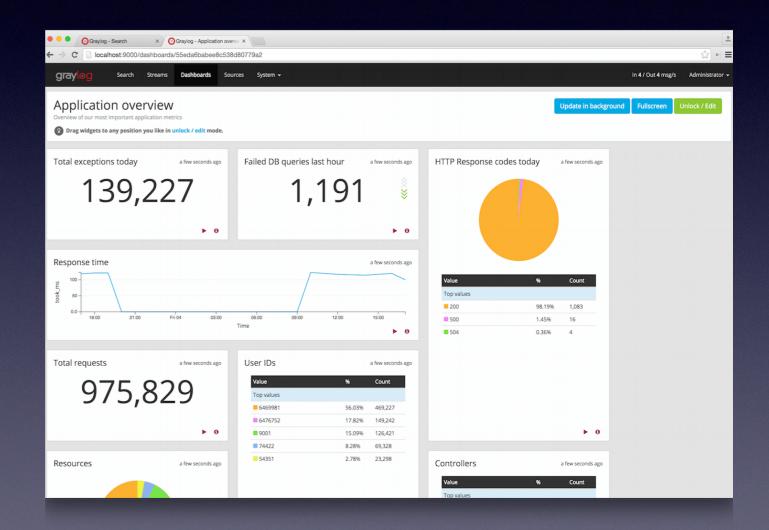
overview and usage

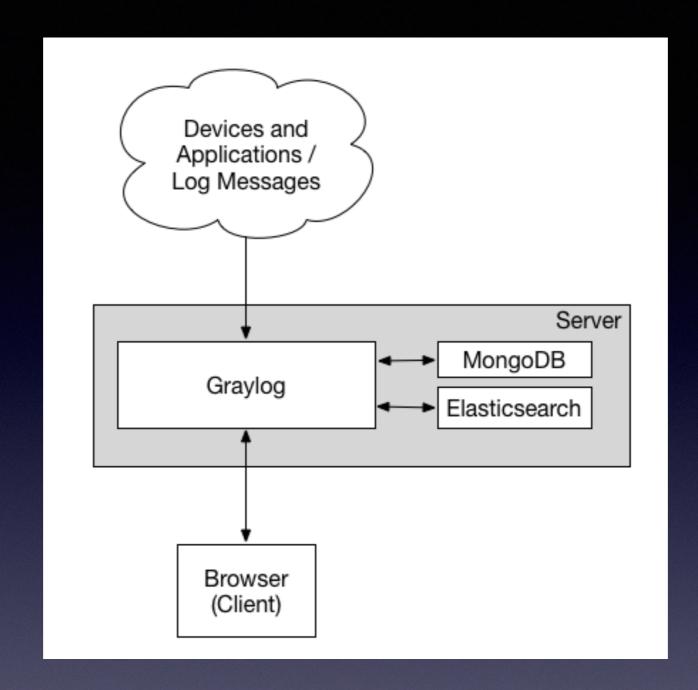
Plan

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

Basic features

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





Graylog architecture



Владимир Красильщик— Что надо знать о логировании прагматичному Java-программисту https://youtu.be/j-i3NQiKbcc

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

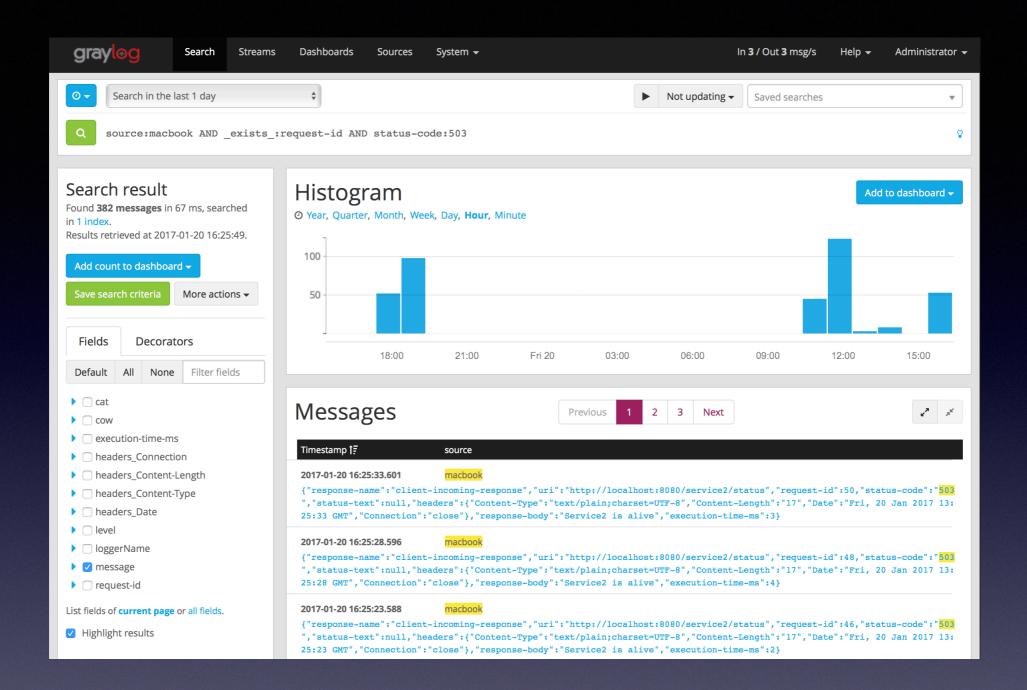
 Logback config file (logback.xml or logbackspring.xml):

Logback GELF appender library (build.gradle):

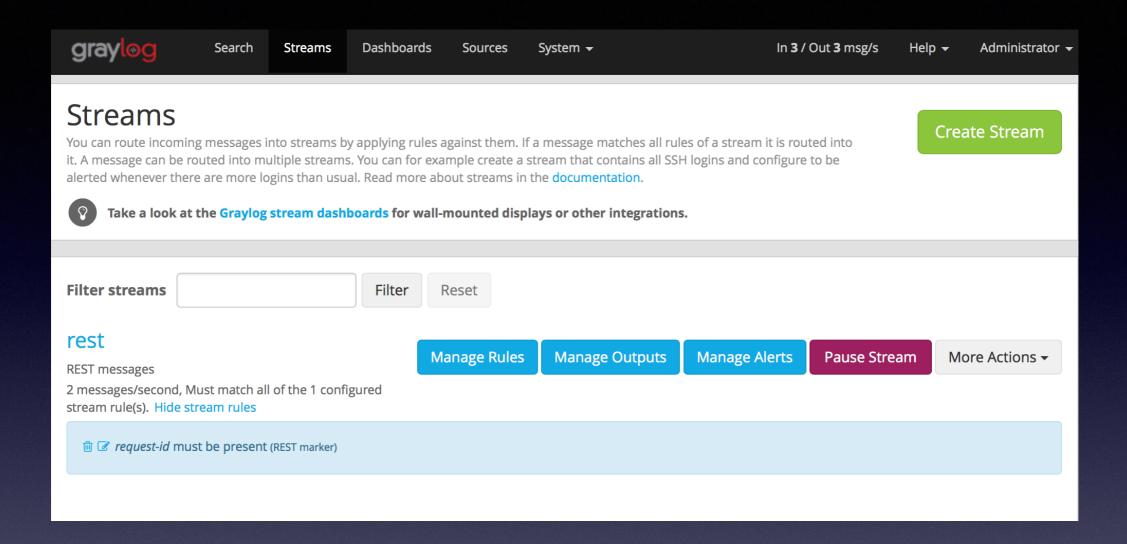
compile('de.appelgriepsch.logback:logback-gelf-appender:1.2.3')

Graylog web interface components

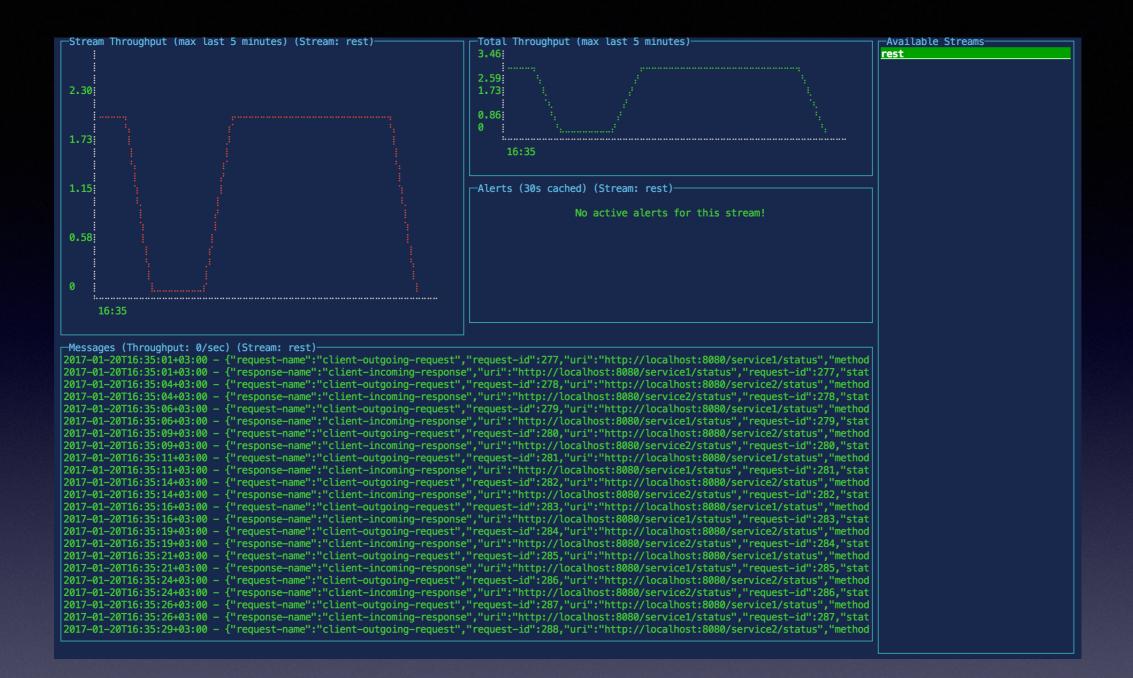
- Search
- Streams
- Dashboards



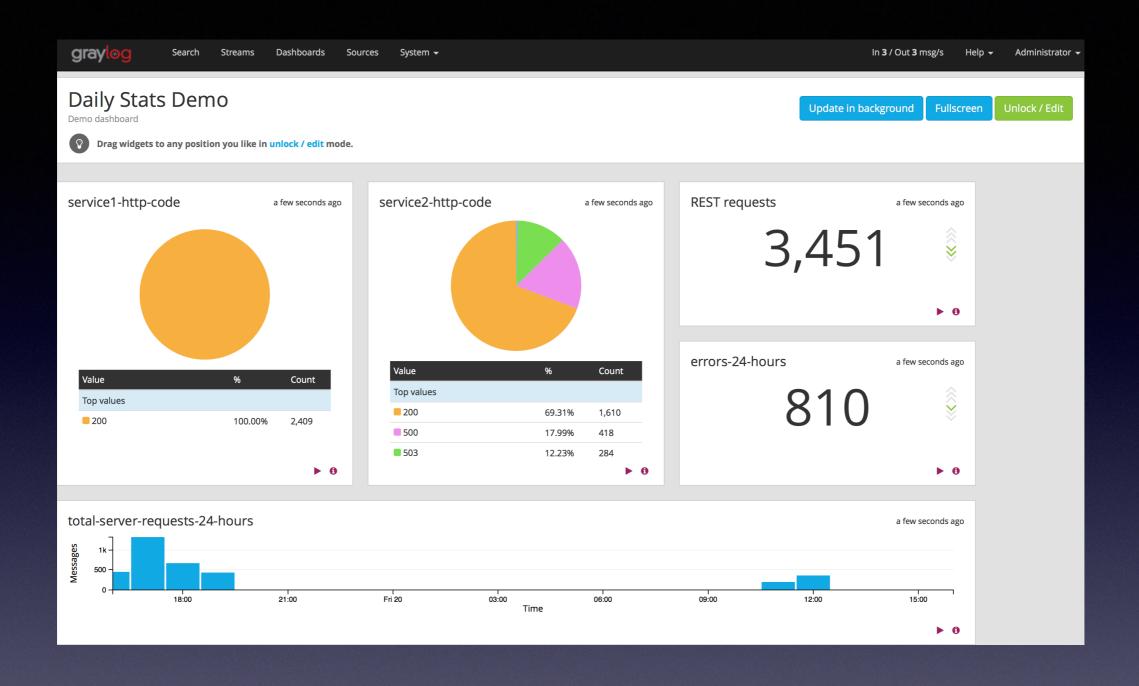
Search



Streams (web)



Streams (terminal)



Dashboards

Links

- Graylog search queries: http://docs.graylog.org/en/2.1/pages/queries.html
- Graylog dashboard tutorial: http://docs.graylog.org/en/2.1/pages/dashboards.html
- Graylog GELF format: http://docs.graylog.org/en/2.1/pages/gelf.html
- Graylog CLI dashboard: https://github.com/Graylog2/cli-dashboard
- Logback manual: http://logback.gos.ch/manual/index.html
- Spring boot logging: https://docs.spring.io/spring-boot/docs/current-SNAPSHOT/reference/htmlsingle/#boot-features-logging





Graylog Spring Boot demo application source code

Demo

Thanks for watching