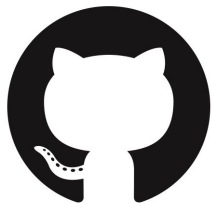# Online Store : Backend Infrastructure

github.com/NBakaev/hishop

Bakaev Nikita, 13PE
2016

- Introduction

- Infrastructure

- Code

- What's next ?

- DEMO

- Questions

Components

MongoDB	Docker	Java
Spring	REST	Spring Boot
Travis CI	Ubuntu	Swagger

- Maven - Build system

- TestNG - Unit, integration tests

- Java libs - Jackson, Apache POI...

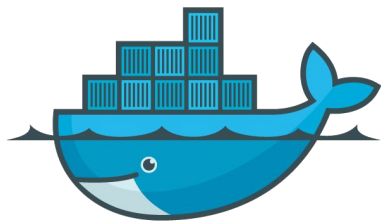- Github - Git repo and issues

- ...

Metrics

> 200
commits

> 40
tasks

90%
Code coverage

Infrastructure

nbakaev/hishop-api-backend ☆

Last pushed: a day ago

| 8 lines (6 sloc) | 218 Bytes | | Raw | Blame | History | 🖥 | ✏ | 🗑 |

```
1   FROM java:8
2   VOLUME /tmp
3   ADD release.jar app.jar
4
5   EXPOSE 8080
6   RUN bash -c 'touch /app.jar'
7   ENTRYPOINT ["java","-Djava.security.egd=file:/dev/./urandom", "-jar", "/app.jar", "--spring.profiles.active=production"]
```

```
docker run -d -p 5555:5555 \
    -e "spring_data_mongodb_uri=mongodb://H7sXKfNiJOoBPByF:X5hQ8Kx9KQZ9165.mongolab.com:39165/hishop" \
    -e "mailgun_api_key=key-b305ee369ffb69e8b559" \
    -e "mailgun_url=https://api.mailgun.net/v3/sandbox21473e1b5f3344c2950ac2e779eb7a46.mailgun.org/messages" \
    -e "spring.output.ansi.enabled=ALWAYS" \
    --name hishop1 nbakaev/hishop-api-backend:0.2.2-RELEASE_build.127763392
```

systemd

Startup scripts

Usage

- 1) copy to `/etc/systemd/system/`

- 2) `systemctl enable docker.hishop`

- manually start service `systemctl start docker.hishop`

- manually see status service `systemctl status docker.hishop`

NBakaev add systemd example

1 contributor

13 lines (10 sloc) | 231 Bytes

```
1    [Unit]
2    Description=Hishop container
3    Requires=docker.service
4    After=docker.service
5
6    [Service]
7    Restart=always
8    ExecStart=/usr/bin/docker start -a hishop1
9    ExecStop=/usr/bin/docker stop -t 2 hishop1
10
11   [Install]
12   WantedBy=multi-user.target
```

```
⚡ root@s1 ~ ❯ docker run -d -e "spring_data_mongodb_uri=mongodb://H7sXKfNiJOoDw7kBPByF:X5hQ8KxlzxnYW9KQZ5EC@ds039165.mongolab.com:39165/hishop" -e mailgun_api_key="key-b305ee36a0ca1cac9d8a9ffb69e8b559" -e "mailgun_url=https://api.mail
gun.net/v3/sandbox21473e1b5f3344c2950ac2e779eb7a46.mailgun.org/messages" -e spring.output.ansi.enabled=ALWAYS --name hishop1 nbakaev/hishop-api-backend:0.2.2-RELEASE_build.127763392
44e672806752d2399aa48b003b76937d1927a22787b1037323101b3c7bbef273
⚡ root@s1 ~ ❯ docker logs -f hishop1
```

```
  ()_()           ()_()
 | __ |  () _  () |  __|  _   |  |/')
 | |_ | | |(_)| | | (_| |/ _ \| |/' )
 |  _|| |_   _| |_|  __||  __/|  < (
 |_|  |_| |_| |_| |_|    \___||_|\_\
                      | |        | |
                      |_|        |_|
```

```
2016-05-08 12:46:26.274  INFO 1 --- [           main] ru.nbakaev.hishop.StartApplication       : Starting StartApplication v0.2.2-RELEASE+build.127763392 on 44e672806752 with PID 1 (/app.jar started by root in /)
2016-05-08 12:46:26.302  INFO 1 --- [           main] ru.nbakaev.hishop.StartApplication       : The following profiles are active: production
2016-05-08 12:46:26.666  INFO 1 --- [           main] ationConfigEmbeddedWebApplicationContext : Refreshing org.springframework.boot.context.embedded.AnnotationConfigEmbeddedWebApplicationContext@48c7b21d: startup date [Sun May 08 12:46:
26 UTC 2016]; root of context hierarchy
2016-05-08 12:46:31.262  INFO 1 --- [           main] o.s.b.f.s.DefaultListableBeanFactory      : Overriding bean definition for bean 'passwordEncoder' with a different definition: replacing [Root bean: class [null]; scope=; abstract=fals
e; lazyInit=false; autowireMode=3; dependencyCheck=0; autowireCandidate=true; primary=false; factoryBeanName=springSecurityConfig; factoryMethodName=passwordEncoder; initMethodName=null; destroyMethodName=(inferred); defined in class pat
h resource [ru/nbakaev/hishop/configs/SpringSecurityConfig.class]] with [Root bean: class [null]; scope=; abstract=false; lazyInit=false; autowireMode=3; dependencyCheck=0; autowireCandidate=true; primary=false; factoryBeanName=beansConf
igs; factoryMethodName=passwordEncoder; initMethodName=null; destroyMethodName=(inferred); defined in class path resource [ru/nbakaev/hishop/configs/BeansConfigs.class]]
2016-05-08 12:46:31.639  INFO 1 --- [           main] o.s.b.f.s.DefaultListableBeanFactory      : Overriding bean definition for bean 'beanNameViewResolver' with a different definition: replacing [Root bean: class [null]; scope=; abstract
=false; lazyInit=false; autowireMode=3; dependencyCheck=0; autowireCandidate=true; primary=false; factoryBeanName=org.springframework.boot.autoconfigure.web.ErrorMvcAutoConfiguration$WhitelabelErrorViewConfiguration; factoryMethodName=be
anNameViewResolver; initMethodName=null; destroyMethodName=(inferred); defined in class path resource [org/springframework/boot/autoconfigure/web/ErrorMvcAutoConfiguration$WhitelabelErrorViewConfiguration.class]] with [Root bean: class [
null]; scope=; abstract=false; lazyInit=false; autowireMode=3; dependencyCheck=0; autowireCandidate=true; primary=false; factoryBeanName=org.springframework.boot.autoconfigure.web.WebMvcAutoConfiguration$WebMvcAutoConfigurationAdapter; f
actoryMethodName=beanNameViewResolver; initMethodName=null; destroyMethodName=(inferred); defined in class path resource [org/springframework/boot/autoconfigure/web/WebMvcAutoConfiguration$WebMvcAutoConfigurationAdapter.class]]
2016-05-08 12:46:35.589  INFO 1 --- [           main] s.b.c.e.t.TomcatEmbeddedServletContainer  : Tomcat initialized with port(s): 5555 (http)
2016-05-08 12:46:35.621  INFO 1 --- [           main] o.apache.catalina.core.StandardService    : Starting service Tomcat
2016-05-08 12:46:35.623  INFO 1 --- [           main] org.apache.catalina.core.StandardEngine   : Starting Servlet Engine: Apache Tomcat/8.0.30
2016-05-08 12:46:35.881  INFO 1 --- [ost-startStop-1] o.a.c.c.C.[Tomcat].[localhost].[/]        : Initializing Spring embedded WebApplicationContext
2016-05-08 12:46:35.882  INFO 1 --- [ost-startStop-1] o.s.web.context.ContextLoader             : Root WebApplicationContext: initialization completed in 9233 ms
2016-05-08 12:46:37.836  INFO 1 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean   : Mapping filter: 'characterEncodingFilter' to: [/*]
2016-05-08 12:46:37.839  INFO 1 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean   : Mapping filter: 'hiddenHttpMethodFilter' to: [/*]
2016-05-08 12:46:37.841  INFO 1 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean   : Mapping filter: 'httpPutFormContentFilter' to: [/*]
2016-05-08 12:46:37.842  INFO 1 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean   : Mapping filter: 'requestContextFilter' to: [/*]
2016-05-08 12:46:37.848  INFO 1 --- [ost-startStop-1] .e.DelegatingFilterProxyRegistrationBean  : Mapping filter: 'springSecurityFilterChain' to: [/*]
2016-05-08 12:46:37.849  INFO 1 --- [ost-startStop-1] o.s.b.c.e.ServletRegistrationBean         : Mapping servlet: 'dispatcherServlet' to [/]
2016-05-08 12:46:39.020  INFO 1 --- [ost-startStop-1] org.mongodb.driver.cluster                : Cluster created with settings {hosts=[ds039165.mongolab.com:39165], mode=SINGLE, requiredClusterType=UNKNOWN, serverSelectionTimeout='30000
ms', maxWaitQueueSize=500}
2016-05-08 12:46:40.413  INFO 1 --- [golab.com:39165] org.mongodb.driver.connection             : Opened connection [connectionId{localValue:1, serverValue:611599}] to ds039165.mongolab.com:39165
2016-05-08 12:46:40.499  INFO 1 --- [golab.com:39165] org.mongodb.driver.cluster                : Monitor thread successfully connected to server with description ServerDescription{address=ds039165.mongolab.com:39165, type=REPLICA_SET_PRI
MARY, state=CONNECTED, ok=true, version=ServerVersion{versionList=[3, 0, 8]}, minWireVersion=0, maxWireVersion=3, electionId=568a089862c39c49d7ffa261, maxDocumentSize=16777216, roundTripTimeNanos=82172280, setName='rs-ds039165', canonica
lAddress=ds039165-a.mlab.com:39165, hosts=[ds039165-a.mlab.com:39165], passives=[], arbiters=[], primary='ds039165-a.mlab.com:39165', tagSet=TagSet{[]}}
2016-05-08 12:46:42.031  INFO 1 --- [ost-startStop-1] o.s.s.web.DefaultSecurityFilterChain      : Creating filter chain: org.springframework.security.web.util.matcher.AnyRequestMatcher@1, [org.springframework.security.web.context.request.
async.WebAsyncManagerIntegrationFilter@4651d31a, org.springframework.security.web.context.SecurityContextPersistenceFilter@705878a1, org.springframework.security.web.header.HeaderWriterFilter@435b109a, org.springframework.security.web.au
thentication.logout.LogoutFilter@737377e8, org.springframework.security.web.authentication.www.BasicAuthenticationFilter@367e5bc0, org.springframework.security.web.savedrequest.RequestCacheAwareFilter@34ef5d6b, org.springframework.securi
ty.web.servletapi.SecurityContextHolderAwareRequestFilter@2fee348e, org.springframework.security.web.authentication.AnonymousAuthenticationFilter@235304b, org.springframework.security.web.access.ExceptionTranslationFilter@3d551d0b, org.s
pringframework.security.web.access.intercept.FilterSecurityInterceptor@26162572]
2016-05-08 12:46:43.582  INFO 1 --- [           main] b.a.s.AuthenticationManagerConfiguration  :

Using default security password: f0142542-142c-4577-bcac-4558df7c42ed

2016-05-08 12:46:46.954  INFO 1 --- [           main] o.s.w.s.c.a.WebMvcConfigurerAdapter       : Adding welcome page: class path resource [static/index.html]
2016-05-08 12:46:47.008  INFO 1 --- [           main] o.s.w.s.handler.SimpleUrlHandlerMapping   : Root mapping to handler of type [class org.springframework.web.servlet.mvc.ParameterizableViewController]
2016-05-08 12:46:47.114  INFO 1 --- [           main] o.s.w.s.handler.SimpleUrlHandlerMapping   : Mapped URL path [/webjars/**] onto handler of type [class org.springframework.web.servlet.resource.ResourceHttpRequestHandler]
2016-05-08 12:46:47.115  INFO 1 --- [           main] o.s.w.s.handler.SimpleUrlHandlerMapping   : Mapped URL path [/**] onto handler of type [class org.springframework.web.servlet.resource.ResourceHttpRequestHandler]
2016-05-08 12:46:47.339  INFO 1 --- [           main] o.s.w.s.handler.SimpleUrlHandlerMapping   : Mapped URL path [/**/favicon.ico] onto handler of type [class org.springframework.web.servlet.resource.ResourceHttpRequestHandler]
2016-05-08 12:46:48.181  INFO 1 --- [           main] o.s.j.e.a.AnnotationMBeanExporter         : Registering beans for JMX exposure on startup
2016-05-08 12:46:49.475  INFO 1 --- [           main] s.b.c.e.t.TomcatEmbeddedServletContainer  : Tomcat started on port(s): 5555 (http)
2016-05-08 12:46:49.520  INFO 1 --- [           main] ru.nbakaev.hishop.StartApplication        : Started StartApplication in 25.06 seconds (JVM running for 26.857)
```

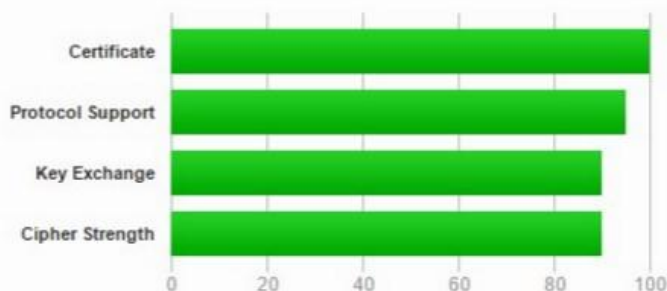You are here: Home > Projects > SSL Server Test > s2.nbakaev.ru

SSL Report: s2.nbakaev.ru (128.199.50.77)

Assessed on: Thu, 28 Apr 2016 11:21:10 UTC | Hide | Clear cache

Scan Another »

Summary

Overall Rating

A+

- Certificate
- Protocol Support
- Key Exchange
- Cipher Strength

Visit our documentation page for more information, configuration guides, and books. Known issues are documented here.

HTTP Strict Transport Security (HSTS) with long duration deployed on this server. MORE INFO »

Search all repositories

NBakaev/hishop   # 20

Duration: 1 min 20 sec
Finished: -

NBakaev / hishop   build passing

Current   Branches   Build History   Pull Requests

More options

master   add notifications   #20 started

Commit 09166df   Elapsed time 1 min 20 sec
Compare c2a0c3c..09166df   -

Nikita Bakaev authored and committed

Remove log   Raw log

```
  1  Using worker: worker-linux-docker-1b82719f.prod.travis-ci.org:travis-linux-6
  2
  3  Build system information                                                              system_info
 67
 68  $ export DEBIAN_FRONTEND=noninteractive                                                fix.CVE-2015-7547
107  $ git clone --depth=50 --branch=master https://github.com/NBakaev/hishop.git NBakaev/hishop    git.checkout    0.45s
118
119  This job is running on container-based infrastructure, which does not allow use of 'sudo', setuid and setguid executables.
120  If you require sudo, add 'sudo: required' to your .travis.yml
121  See https://docs.travis-ci.com/user/workers/container-based-infrastructure/ for details.
122  $ jdk_switcher use oraclejdk8
123  Switching to Oracle JDK8 (java-8-oracle), JAVA_HOME will be set to /usr/lib/jvm/java-8-oracle
124  $ java -Xmx32m -version
125  java version "1.8.0_31"
126  Java(TM) SE Runtime Environment (build 1.8.0_31-b13)
127  Java HotSpot(TM) 64-Bit Server VM (build 25.31-b07, mixed mode)
128  $ javac -J-Xmx32m -version
129  javac 1.8.0_31
130  $ pip install --user codecov                                                           before_install    3.11s
156  $ mvn install -DskipTests=true -Dmaven.javadoc.skip=true -B -V
157  Java HotSpot(TM) 64-Bit Server VM warning: ignoring option MaxPermSize=192m; support was removed in 8.0
158  Apache Maven 3.2.5 (12a6b3acb947671f09b81f49094c53f426d8cea1; 2014-12-14T17:29:23+00:00)
159  Maven home: /usr/local/maven
160  Java version: 1.8.0_31, vendor: Oracle Corporation
161  Java home: /usr/lib/jvm/java-8-oracle/jre
162  Default locale: en_US, platform encoding: UTF-8
163  OS name: "linux", version: "3.13.0-40-generic", arch: "amd64", family: "unix"
164  [INFO] Scanning for projects...
165  [INFO] Downloading: http://repo.maven.apache.org/maven2/org/springframework/boot/spring-boot-starter-parent/1.3.1.RELEASE/spring-boot-starter-parent-1.3.1.RELEASE.pom
166  [INFO] Downloaded: http://repo.maven.apache.org/maven2/org/springframework/boot/spring-boot-starter-parent/1.3.1.RELEASE/spring-boot-starter-parent-1.3.1.RELEASE.pom (7 KB at 48.3 KB/sec)
```

```
1540  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-util/1.0.2.v20150114/aether-util-1.0.2.v20150114.jar (144 KB at 187.5 KB/sec)
1541  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver/2.8.1/plexus-archiver-2.8.1.jar
1542  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/0.7/maven-shared-utils-0.7.jar (167 KB at 189.6 KB/sec)
1543  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-io/2.3.2/plexus-io-2.3.2.jar
1544  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/eclipse/sisu/org.eclipse.sisu.inject/0.0.0.M5/org.eclipse.sisu.inject-0.0.0.M5.jar (285 KB at 315.8 KB/sec)
1545  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/commons/commons-compress/1.9/commons-compress-1.9.jar
1546  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-io/2.3.2/plexus-io-2.3.2.jar (73 KB at 72.3 KB/sec)
1547  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0.20/plexus-utils-3.0.20.jar
1548  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/commons/commons-compress/1.9/commons-compress-1.9.jar (370 KB at 343.9 KB/sec)
1549  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-shade-plugin/2.2/maven-shade-plugin-2.2.jar
1550  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-shade-plugin/2.2/maven-shade-plugin-2.2.jar (98 KB at 86.8 KB/sec)
1551  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/sonatype/sisu/sisu-inject-bean/1.4.2/sisu-inject-bean-1.4.2.jar
1552  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver/2.8.1/plexus-archiver-2.8.1.jar (140 KB at 122.0 KB/sec)
1553  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/sonatype/sisu/sisu-guice/2.1.7/sisu-guice-2.1.7-noaop.jar
1554  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/sonatype/sisu/sisu-inject-bean/1.4.2/sisu-inject-bean-1.4.2.jar (150 KB at 124.4 KB/sec)
1555  [INFO] Downloading: https://repo.maven.apache.org/maven2/asm/asm/3.3.1/asm-3.3.1.jar
1556  [INFO] Downloaded: https://repo.maven.apache.org/maven2/asm/asm/3.3.1/asm-3.3.1.jar (43 KB at 34.6 KB/sec)
1557  [INFO] Downloading: https://repo.maven.apache.org/maven2/asm/asm-commons/3.3.1/asm-commons-3.3.1.jar
1558  [INFO] Downloaded: https://repo.maven.apache.org/maven2/asm/asm-commons/3.3.1/asm-commons-3.3.1.jar (38 KB at 29.8 KB/sec)
1559  [INFO] Downloading: https://repo.maven.apache.org/maven2/asm/asm-tree/3.3.1/asm-tree-3.3.1.jar
1560  [INFO] Downloaded: https://repo.maven.apache.org/maven2/asm/asm-tree/3.3.1/asm-tree-3.3.1.jar (22 KB at 16.5 KB/sec)
1561  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/jdom/jdom/1.1/jdom-1.1.jar
1562  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/jdom/jdom/1.1/jdom-1.1.jar (150 KB at 110.8 KB/sec)
1563  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-dependency-tree/2.1/maven-dependency-tree-2.1.jar
1564  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/sonatype/sisu/sisu-guice/3.1.0/sisu-guice-3.1.0-no_aop.jar (350 KB at 252.9 KB/sec)
1565  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/vafer/jdependency/0.7/jdependency-0.7.jar
1566  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-dependency-tree/2.1/maven-dependency-tree-2.1.jar (59 KB at 42.3 KB/sec)
1567  [INFO] Downloading: https://repo.maven.apache.org/maven2/commons-io/commons-io/1.3.2/commons-io-1.3.2.jar
1568  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/vafer/jdependency/0.7/jdependency-0.7.jar (12 KB at 8.1 KB/sec)
1569  [INFO] Downloading: https://repo.maven.apache.org/maven2/asm/asm-analysis/3.2/asm-analysis-3.2.jar
1570  [INFO] Downloaded: https://repo.maven.apache.org/maven2/commons-io/commons-io/1.3.2/commons-io-1.3.2.jar (86 KB at 59.0 KB/sec)
1571  [INFO] Downloading: https://repo.maven.apache.org/maven2/asm/asm-util/3.2/asm-util-3.2.jar
1572  [INFO] Downloaded: https://repo.maven.apache.org/maven2/asm/asm-analysis/3.2/asm-analysis-3.2.jar (18 KB at 11.6 KB/sec)
1573  [INFO] Downloaded: https://repo.maven.apache.org/maven2/asm/asm-util/3.2/asm-util-3.2.jar (36 KB at 23.3 KB/sec)
1574  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0.20/plexus-utils-3.0.20.jar (238 KB at 154.4 KB/sec)
1575  [INFO] Downloaded: https://repo.maven.apache.org/maven2/log4j/log4j/1.2.17/log4j-1.2.17.jar (479 KB at 297.7 KB/sec)
1576  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/sonatype/sisu/sisu-guice/2.1.7/sisu-guice-2.1.7-noaop.jar (461 KB at 269.7 KB/sec)
1577  [INFO]
1578  [INFO] --- maven-install-plugin:2.5.2:install (default-install) @ web ---
1579  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/0.4/maven-shared-utils-0.4.pom
1580  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/0.4/maven-shared-utils-0.4.pom (4 KB at 116.2 KB/sec)
1581  [INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/0.4/maven-shared-utils-0.4.jar
1582  [INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/0.4/maven-shared-utils-0.4.jar (152 KB at 1054.2 KB/sec)
1583  [INFO] Installing /home/travis/build/NBakaev/hishop/target/web-0.1.0-SNAPSHOT.jar to /home/travis/.m2/repository/ru/hishop/web/0.1.0-SNAPSHOT/web-0.1.0-SNAPSHOT.jar
1584  [INFO] Installing /home/travis/build/NBakaev/hishop/pom.xml to /home/travis/.m2/repository/ru/hishop/web/0.1.0-SNAPSHOT/web-0.1.0-SNAPSHOT.pom
1585  [INFO] ------------------------------------------------------------------------
1586  [INFO] BUILD SUCCESS
1587  [INFO] ------------------------------------------------------------------------
1588  [INFO] Total time: 32.665 s
1589  [INFO] Finished at: 2016-02-23T11:07:11+00:00
1590  [INFO] Final Memory: 37M/311M
1591  [INFO] ------------------------------------------------------------------------
```

GitHub, Inc. [US] | https://github.com/NBakaev/hishop

Никита Бакаев

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Third course work in HSE — Edit

173 commits   2 branches   1 release   1 contributor

Branch: master ▾   New pull request   Create new file Upload files Find file   Clone or download ▾

NBakaev add bulk goods add and perfomance test   Latest commit 9709e59 2 days ago

.idea	change package to nbakaev.hishop	a month ago
.mvn/wrapper	init	4 months ago
demo	add excel goods export example	2 months ago
deploy	add comments and clear ci.build script	5 days ago
docker	add readme for systemd	5 days ago
src	add bulk goods add and perfomance test	2 days ago
.gitignore	beautify readme	5 days ago
.travis.yml	revoke old token and use secure	5 days ago
LICENSE.txt	add license	a month ago
Procfile	heroku	4 months ago
README.md	replace text to links in readme.md	5 days ago
mvnw	init	4 months ago
mvnw.cmd	init	4 months ago
pom.xml	add maven description and developers	5 days ago
tk.hishop.iml	delete idea	5 days ago

README.md

hiShop - e-commerce

GitHub, Inc. [US] | https://github.com/NBakaev/hishop

📖 README.md

hiShop - e-commerce

`build passing` `coverage 30%` `Download 0.2.2-RELEASE+build.131347511` `docker pulls 40`

Build & run

This project uses Java & Spring Boot. To start server use `mvn package & java -jar target/ru.nbakaev.hishop.jar` .

Notes for compiling

- After compiling - test will be automatically run. You can skip tests on packaging step with `mvn package -DskipTests`
- After executing `mvn package` - file `target/ru.nbakaev.hishop.jar` will be created. This is fat jar - fully executable jar file with embedded tomcat (provided by spring boot). So, you don't need anything dependencies, such as tomcat etc. You only need installed java to run program.
- In CI environment variables with API keys are set up to use in tests. But if you want to run tests locally, you must set up Mandatory options.

Start options

Web server startup port is described in `application.properties` . You can override it in environment or VM options on startup

Mandatory options

`NOTE:` You must pass to application API keys of services to start application:

- MongoDB (database)
- mailgun credentials (send email messages with DKIM and spam filter)

For example

```
java -jar target/ru.nbakaev.hishop.jar \
    --spring_data_mongodb_uri="mongodb://H7sXKfNiJOoBPByF:X5hQ8Kx9KQZ9165.mongolab.com:39165/hishop" \
    --mailgun_api_key="key-b305ee369ffb69e8b559" \
    --mailgun_url="https://api.mailgun.net/v3/sandbox21473e1b5f33c2e779eb7a46.mailgun.org/messages" \
    --spring.output.ansi.enabled=ALWAYS
```

Performance

```java
@SpringApplicationConfiguration(classes = StartApplication.class)
@WebAppConfiguration
@ActiveProfiles("development")
public class GoodRepositoryImplMillionGoodsBulk extends AbstractTestNGSpringContextTests {

    @Autowired
    private MongoOperations mongoOperations;

    @Autowired
    private GoodRepository goodRepository;

    private final Logger logger = LoggerFactory.getLogger(getClass());

    private final int GOODS_CAPACITY = 1_000_000;
    private List<Good> goodList = new ArrayList<>(GOODS_CAPACITY);

    // before this test we can have goods in database
    private long beforeTestExecutionGoods;

    @BeforeClass
    private void init() {
        for (int i = 0; i < GOODS_CAPACITY; i++) {
            Good good = new Good("Good-" + i);
            goodList.add(good);
        }
        beforeTestExecutionGoods = mongoOperations.count(new Query(new Criteria())

    }

    @Test
    public void createMillionGoodsTestFromArray() {
        logger.info("Start creating million good test");
        long startTime = System.currentTimeMillis();

        goodRepository.createGoods(goodList);

        long executionTime = (System.currentTimeMillis() - startTime) / 1000;
        logger.warn("inserts per sec={}", GOODS_CAPACITY / executionTime);

        printGoodsNumberInDatabase();

    }

    /**
     * Print goods number in database
     */
    private void printGoodsNumberInDatabase() {
        Criteria criteria = new Criteria();
        Query query = new Query(criteria);

        logger.info("End creating million good test");
        long goodsInDatabase = mongoOperations.count(query, Good.class);
        logger.warn("Goods in database: {}", goodsInDatabase);

        Assert.assertEquals(goodsInDatabase, GOODS_CAPACITY + beforeTestExecutionGoods);
    }

}
```

Add goods

1 000 000
inserts

27
sec

37 037
per/sec

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

hishop › src › test › java › ru › nbakaev › hishop › good › GoodRepositoryImplMillionGoodsBulk

GoodRepositoryImplMillionGoodsBulk

Project ▾

```
hishop [tk.hishop] F:\GithubProjects\hishop
  .idea
  .mvn
  demo
  deploy
  docker
  src
    main
    test
      java
        ru.nbakaev.hishop
          configs
          good
            GoodControllerTest
            GoodRepositoryImplMillionGoodsBulk
            GoodRepositoryImplMillionGoodsTest
            GoodRepositoryImplTest
          home
          users
          StartApplicationTest
    target
  .gitignore
  .travis.yml
  LICENSE.txt
  mvnw
  mvnw.cmd
  pom.xml
  Procfile
  README.md
  tk.hishop.iml
External Libraries
```

GoodRepositoryImplMillionGoodsBulk.java

```java
import ...

/**
 * Created by Nikita Bakaev, ya@nbakaev.ru on 2/21/2016.
 * All Rights Reserved
 */
@SpringApplicationConfiguration(classes = StartApplication.class)
@WebAppConfiguration
@ActiveProfiles("development")
public class GoodRepositoryImplMillionGoodsBulk extends AbstractTestNGSpringContextTests {

    @Autowired
    private MongoOperations mongoOperations;

    @Autowired
    private GoodRepository goodRepository;

    private final Logger logger = LoggerFactory.getLogger(getClass());

    private final int GOODS_CAPACITY = 1_000_000;

    private List<Good> goodList = new ArrayList<>(GOODS_CAPACITY);

    @BeforeTest
    private void init() {
        for (int i = 0; i < GOODS_CAPACITY; i++) {
            Good good = new Good("Good-" + i);
            goodList.add(good);
        }
    }

    @Test
    public void createMillionGoodsTestFromArray() {
        logger.info("Start creating million good test");
        long startTime = System.currentTimeMillis();

        goodRepository.createGoods(goodList);

        long executionTime = (System.currentTimeMillis() - startTime) / 1000;
        logger.warn("inserts per sec={}", GOODS_CAPACITY / executionTime);

        printGoodsNumberInDatabase();
    }
}
```

Run GoodRepositoryImplMillionGoodsBulk

```
Default Suite                                    34s 425ms
  hishop                                         34s 425ms
    GoodRepositoryImplMillionGoodsBulk           34s 425ms
      createMillionGoodsTestFromArray            27s 519ms
```

1 test passed – 34s 425ms

```
2016-05-19 11:09:31.445  INFO 6488 --- [        main] n.h.g.GoodRepositoryImplMillionGoodsBulk : Start creating million good test
2016-05-19 11:09:58.950  WARN 6488 --- [        main] n.h.g.GoodRepositoryImplMillionGoodsBulk : inserts per sec=37037
2016-05-19 11:09:58.953  INFO 6488 --- [        main] n.h.g.GoodRepositoryImplMillionGoodsBulk : End creating million good test
2016-05-19 11:09:58.964  WARN 6488 --- [        main] n.h.g.GoodRepositoryImplMillionGoodsBulk : Goods in database: 1000000
```
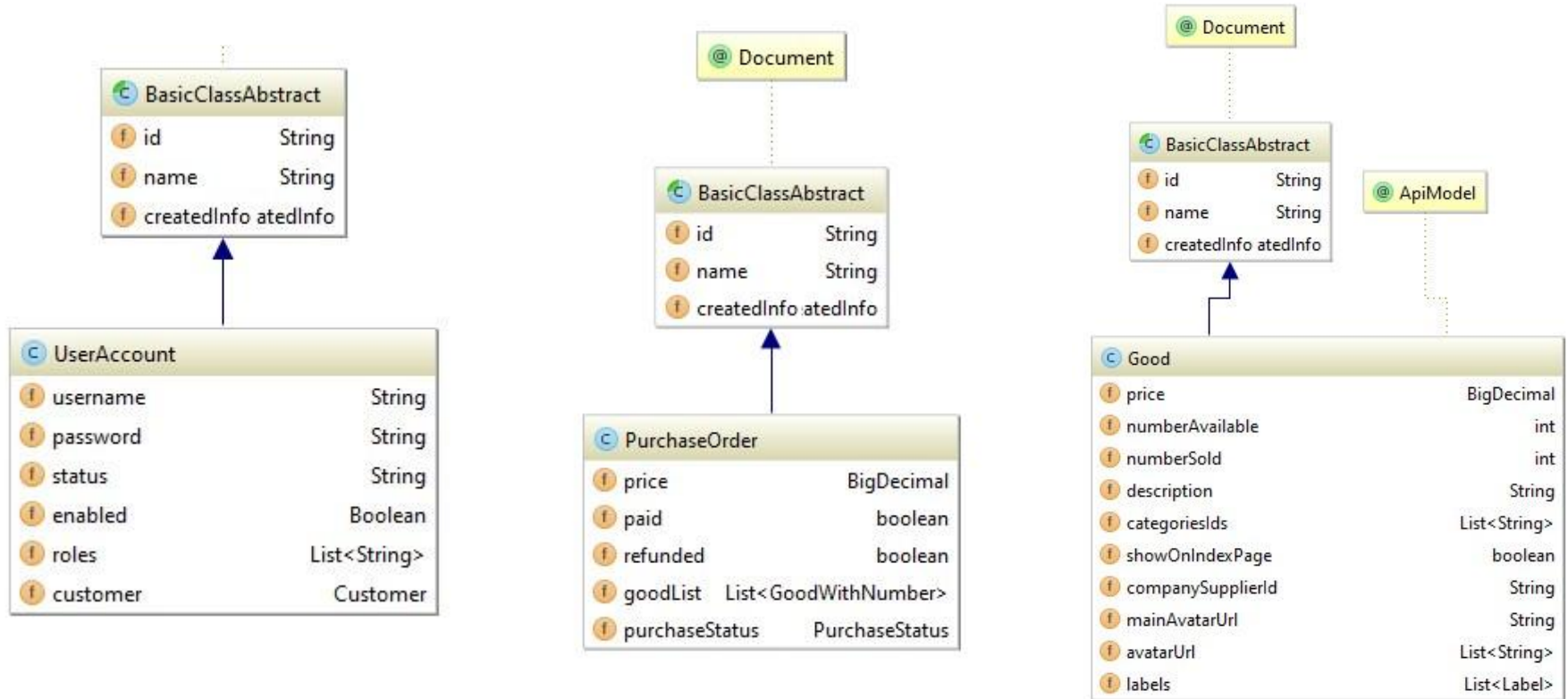
Tests Passed: 1 passed (a minute ago)
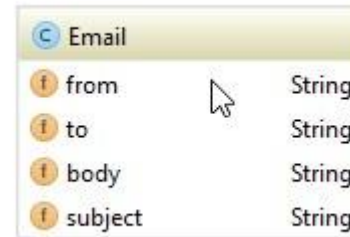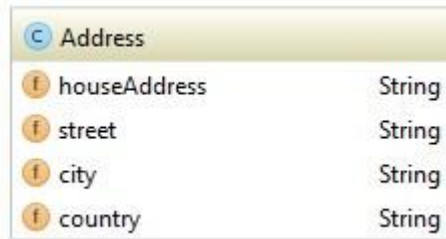
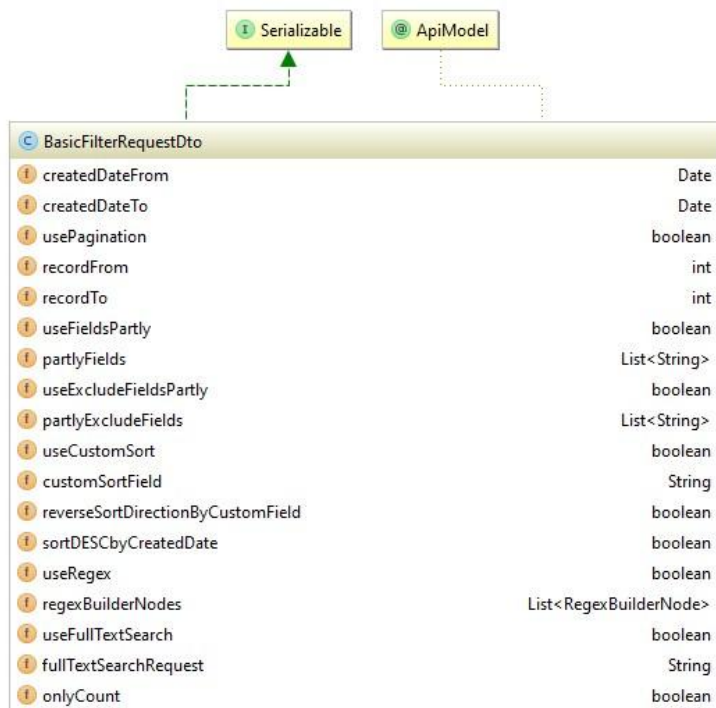28:14   CRLF   UTF-8   Git: master

Deeper in the code

DTO


```
public abstract class DtoResponseResult {

    /**
     * All objects relevant to some search criteria
     * Different from returnedObjectsNumber
     * when used pagination
     */
    private long relevantObjectsNumber;
    private long returnedObjectsNumber;
    private List<? extends BasicClassAbstract> resultedObjects = new ArrayList<>();


    public long getRelevantObjectsNumber() { return relevantObjectsNumber; }

    public void setRelevantObjectsNumber(long relevantObjectsNumber) {
        this.relevantObjectsNumber = relevantObjectsNumber;
    }


    public long getReturnedObjectsNumber() { return returnedObjectsNumber; }

    public void setReturnedObjectsNumber(long returnedObjectsNumber) {
        this.returnedObjectsNumber = returnedObjectsNumber;
    }


    public List<? extends BasicClassAbstract> getResultedObjects() { return resultedObjects; }

    public void setResultedObjects(List<? extends BasicClassAbstract> resultedObjects) {
        this.resultedObjects = resultedObjects;
    }

}
```

MVC

```java
@Controller
@RequestMapping("/api/v1/good")
@Api("Goods")
public class GoodController {

    private final GoodRepository goodRepository;
    private final GoodExcelExportService goodExcelExportService;


    @Autowired
    public GoodController(final GoodRepository goodRepository, final GoodExcelExportService goodExcelExportService) {
        this.goodRepository = goodRepository;
        this.goodExcelExportService = goodExcelExportService;
    }

    @Secured({UserAccountRoles.ROLE_ADMIN})
    @RequestMapping(value = "", method = RequestMethod.POST)
    public
    @ResponseBody
    Good addGood(@RequestBody Good good, HttpServletRequest request) {
        goodRepository.createGood(good);
        return good;
    }

    @RequestMapping(value = "", method = RequestMethod.GET)
    public
    @ResponseBody
    List<Good> getAllGoods() {
        return goodRepository.getAllGoods();
    }

    @Secured({UserAccountRoles.ROLE_ADMIN})
    @RequestMapping(value = "", method = RequestMethod.PUT)
    public
    @ResponseBody
    Good updateGood(@RequestBody Good good, HttpServletRequest request) {
        goodRepository.updateGood(good);
        return good;
    }

    @Secured({UserAccountRoles.ROLE_ADMIN})
    @RequestMapping(value = "{id}", method = RequestMethod.DELETE)
    public void deleteGoodById(@PathVariable("id") String id) {
        goodRepository.deleteGoodById(id);
    }
```

Data layer

```java
@Service
public class GoodRepositoryImpl implements GoodRepository {

    private final MongoOperations mongoTemplate;
    private final EntityFilterService entityFilterService;

    @Autowired
    public GoodRepositoryImpl(final MongoOperations mongoTemplate, final EntityFilterService entityFilterService) {
        this.mongoTemplate = mongoTemplate;
        this.entityFilterService = entityFilterService;
    }

    @Override
    public List<Good> createGoods(List<Good> goods) {
        mongoTemplate.insert(goods, Good.class);
        return goods;
    }

    @Override
    public Good createGood(Good good) {
        mongoTemplate.insert(good);
        return good;
    }

    @Override
    public List<Good> getAllGoods() {

        Criteria criteria = new Criteria();
        Query query = new Query(criteria);

        return mongoTemplate.find(query, Good.class);
    }

    @Override
    public Good updateGood(Good good) {
        mongoTemplate.save(good);
        return good;
    }

    @Override
    public void deleteGoodById(String id) {
        Good good = new Good();
        good.setId(id);
        mongoTemplate.remove(good);
    }
```

AWS S3

AWS S3: public bucket, CORS

AWS S3: public bucket, CORS

AWS S3: test: read from FS -> upload -> assert

```java
@Test
public void testUploadToAmazonS3() throws Exception {

    // file name of real file in file system in resource folder
    String uploadFileName = "test_upload.jpg";
    byte[] uploadFilenameBytes = IOUtils.toByteArray(new ClassPathResource(uploadFileName).getInputStream());

    MockMultipartFile file = new MockMultipartFile("file", uploadFileName, null, new ClassPathResource(uploadFileName).getInputStream());

    // make request to our server
    byte[] result = mockMvc.perform(fileUpload("/api/v1/storage/upload")
            .file(file).with(user("test2@nbakaev.ru").roles("USER", "ADMIN")))
            .andExpect(status().is(201)).andReturn().getResponse().getContentAsByteArray();

    StorageDocumentMeta storageDocumentMeta = objectMapper.readValue(result, StorageDocumentMeta.class);
    Assert.assertNotNull(storageDocumentMeta);
    Assert.assertNotNull(storageDocumentMeta.getPublicUrl());

    // get real request to aws s3 and assert to content of file in our FS
    Assert.assertEquals(IOUtils.toByteArray(new URL(storageDocumentMeta.getPublicUrl())), uploadFilenameBytes);
}
```

Excel & Templates

№	ID	NAME	PRICE	NUMBER_AVAILABLE	NUMBER_SOLD	DESCRIPTION	CREATED_DATE
1	5693e8781531a72cd9a9949f		0	0	0		1/11/2016 20:38
2	5693e8841531a72cd9a994a0		0	0	0		1/11/2016 20:38
3	5693e8851531a72cd9a994a1		0	0	0		1/11/2016 20:38
4	5693e8861531a72cd9a994a2		0	0	0		1/11/2016 20:38
5	56f8b7d105c39019484f5943	телефон	3000	0	0		3/28/2016 7:49
6	56f8b7fa05c39019484f594b	телефон2	3000	0	0		3/28/2016 7:50
7	56f8b80705c39019484f594d	телефон233	3000	0	0		3/28/2016 7:50
8	56f8b80b05c39019484f594f	телефон233	33000	0	0		3/28/2016 7:50

Новая покупка в hiShop ⚑

test@nbakaev.ru 🎖

25 мая в 15:14

Кому   test@nbakaev.ru

Перевести   Создать правило   Свойства письма

кратко ⌃

Ваш заказ будет скоро обработан

Здравствуйте, Nikita!

(Номер заказа: 57459704f2a7040f3a7a72f5)

Наименование	Артикул	Количество	Цена
Apple iPhone 5	57459704f2a7040f3a7a72f4	2	45000.0
			90000.0

Мы рады ответить на Ваши вопросы по электронной почте test@nbakaev.ru

С уважением,
Команда hishop.

🔍 Search

test@nbakaev.ru   3:36 PM
Добро пожаловать в hiShop
Спасибо за регистрацию
Здравствуйте, Nikita! Мы рады отве...

test@nbakaev.ru   3:36 PM
Новая покупка в hiShop
Ваш заказ будет скоро обработан
Здравствуйте, Nikita! (Номер заказа...

🔵 **Панкратова Лилия Але...**   3:29 PM
📎 FW: Сроки выдачи стипендии
From: Самсонова Наталья
Владимировна...

test@nbakaev.ru   3:27 PM
Новая покупка в hiShop
Ваш заказ будет скоро обработан
Здравствуйте, Nikita! (Номер заказа...

test@nbakaev.ru   3:27 PM
Добро пожаловать в hiShop
Спасибо за регистрацию
Здравствуйте, Nikita! Мы рады отве...

test@nbakaev.ru   3:14 PM
Новая покупка в hiShop
Ваш заказ будет скоро обработан
Здравствуйте, Nikita! (Номер заказа...

🔵 **test@nbakaev.ru**   3:14 PM
Добро пожаловать в hiShop

Updated Just Now
3,419 Unread

From: **test@nbakaev.ru** ›

To: **test@nbakaev.ru** ›

Hide

Добро пожаловать в hiShop
May 25, 2016 at 3:36 PM

Спасибо за регистрацию

Здравствуйте, Nikita!

Мы рады ответить на Ваши вопросы по электронной почте test@nbakaev.ru

С уважением,
Команда hishop.

What's next?

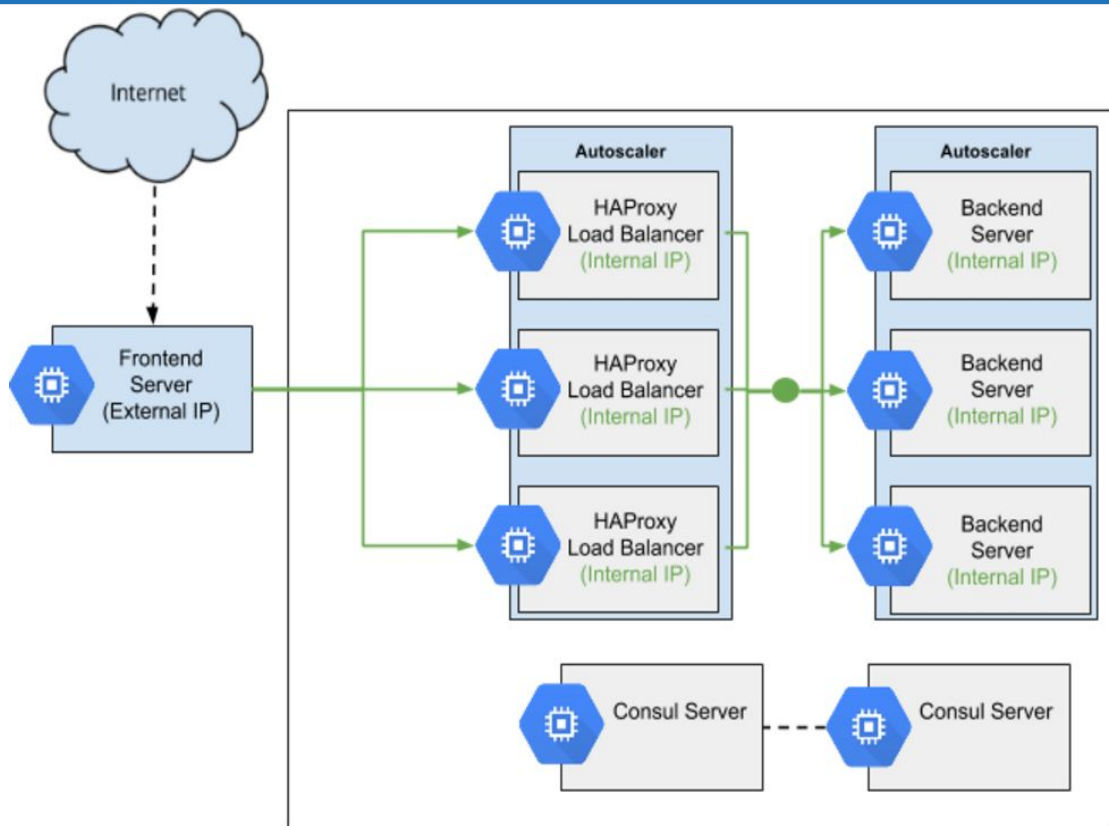*Backend: high availability cluster, auto scaling, container orchestration (kubernetes)*

Database: sharding, replica set
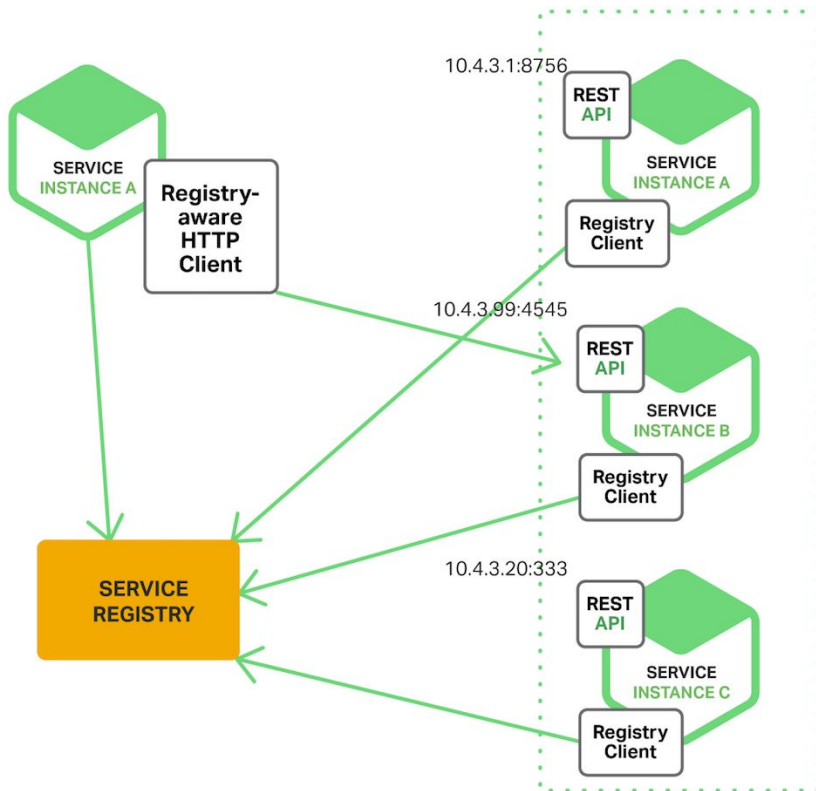
...more features

External configuration: consul, recommendation, machine learning for goods

auto scaling, service discovery, load balancing

*Purchase -> microservice
 with RDBMS (to have transactions)*

i18n / i10n

What's next?

Templates in html render to .doc/.pdf
Easier
more powerful than Jaspersoft Studio

Custom fields
MongoDB schemaless
full-text search, detailed queries, ranges

...

❌ Clear current search query, filters, and sorts

☐ ⓘ **5 Open** ✓ 0 Closed	Author ▾ Labels ▾ Milestones ▾ Assignee ▾ Sort ▾

☐   ⊙   **send logs logentries.com**
#41 opened 3 minutes ago by NBakaev   ⌖ 2.0

☐   ⊙   **APM newrelic**   💬 0
#40 opened 4 minutes ago by NBakaev   ⌖ 2.0

☐   ⊙   **use kubernetes for cluster**   💬 0
#39 opened 6 minutes ago by NBakaev   ⌖ 2.0

☐   ⊙   **Store configs/properties in consul/etcd**   💬 0
#38 opened 7 minutes ago by NBakaev   ⌖ 2.0

☐   ⊙   **use generated tokens for auth instead of always hasing with bcrypt** `optimization`   💬 0
#37 opened 8 minutes ago by NBakaev   ⌖ 2.0

Questions