

HTTPS://BPF.LI

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29 MAY 2020



BETTER SPRING BOOT PROJECTS FASTER WITH JHIPSTER

SLIDES

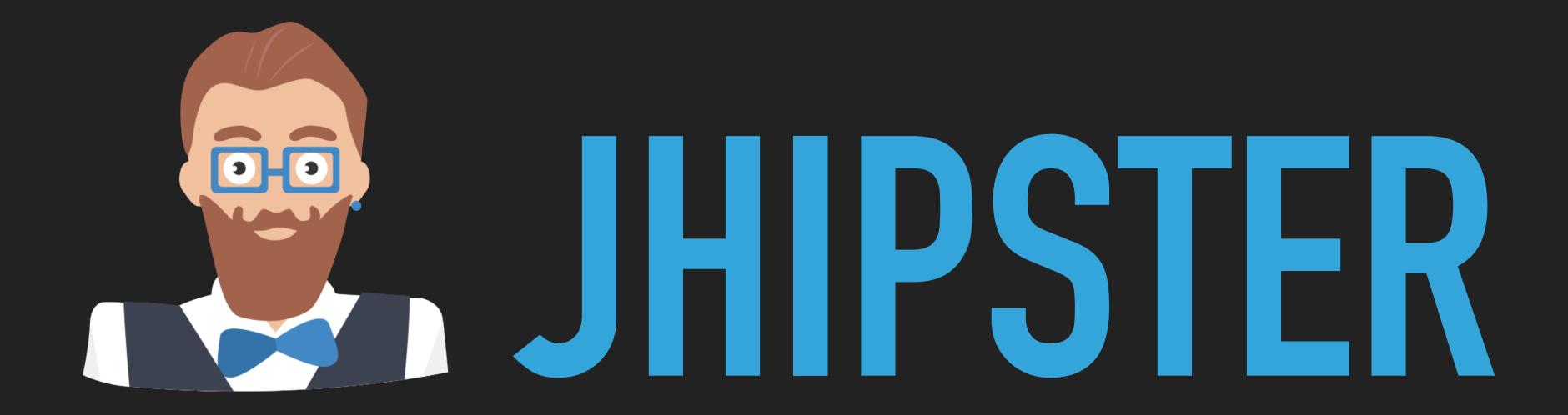


HTTPS://BPF.LI/PJHI

STRUGGLING WITH ANGULAR, REACT, NOSQL, OR MICROSERVICES?

UNSURE HOW DEVOPS, CONTAINERS, AND CLOUD IMPACT JAVA?

CAN'T FIND GOOD ONLINE TRAINING FOR THESE NEW TECHNOLOGIES?



BETTER SPRING BOOT PROJECTS FASTER SAVES TIME IN LEARNING, PROJECT & CODE

WHAT IS JHIPSTER?

For new projects only: https://www.jhipster.tech

Open-source command line tool creates

- Full Spring Boot monolith or microservice applications
- CRUD front-end & back-end for your entities

Updates platform & libraries (potentially painful!)

JHIPSTER = SUPERSTAR DEVELOPER ON YOUR TEAM:

WRITES ALL THE "PLUMBING CODE"

PICKS, CONFIGURES AND INTEGRATES BEST LIBRARIES & TOOLS

SAMPLE JHIPSTER APPLICATION

English



Welcome, Javannoter!

This is your homepage

If you want to **sign in**, you can try the default accounts:

- Administrator (login="admin" and password="admin")
- User (login="user" and password="user").

You don't have an account yet? Register a new account

If you have any question on JHipster:

- JHipster homepage
- JHipster on Stack Overflow
- JHipster bug tracker
- JHipster public chat room
- follow @java_hipster on Twitter

If you like JHipster, don't forget to give us a star on **GitHub**!

ID •	Login	Email \$		Language ♣	Profiles	Created date \$	Modified by \$	Modified date \$		
1	system	system@localhost	Activated	en	ROLE_USER ROLE_ADMIN		system		⊙ View	X Delete
3	admin	admin@localhost	Activated	en	ROLE_USER ROLE_ADMIN		system		⊙ View	X Delete
4	user	user@localhost	Activated	en	ROLE_USER		system		⊙ View	X Delete

Showing 1 - 3 of 3 items.

«« « 1 » »»

Application Metrics

2 Refresh

JVM Metrics

Memory

G1 Old Gen (9M / 8,192M)

Committed: 302M

0%

CodeHeap 'non-profiled nmethods'

(19M / 233M)

Committed: 19M

8%

G1 Survivor Space 42M

Committed: 42M

Compressed Class Space (12M /

1,024M)

Committed: 14M

12

Metaspace 94M

Committed: 97M

G1 Eden Space 182M

Committed: 472M

CodeHeap 'non-nmethods' (1M / 7M)

Committed: 2M

18%

Garbage collections

GC Live Data Size/GC Max Data Size (9M / 8,192M)

Threads

Runnable 21

20%

Timed waiting (19)

18%

Waiting (63)

61%

Blocked (0)

0%

Total: 103

Expand

System

Uptime 6 minutes 46 seconds
Start time Saturday, May 18, 2019
at 7:32:17 AM GMT-

04:00

Process CPU usage 0 %

0 %

System CPU usage 0 %

0 %

System CPU count 12

System 1m Load average 2.21
Process files max 10,24

0

Process files open 228

GC Memory Promoted/GC Memory Allocated (6M / 1,184M) Classes loaded 18544 Classes unloaded 0

Endpoints requests (time in millisecond)

Method	Endpoint url	Count	Mean
GET	/websocket/tracker/**	2	20.347
GET	/api/users	1	46.335
GET	/management/info	3	83.837
POST	/api/authenticate	3	249.522
GET	root	3	69.747
GET	/api/account	2	18.983
GET	/**	38	13.446
GET	/api/products	1	23.139

Cache name	Cache Hits	Cache Misses	Cache Gets	Cache Puts	Cache Removals	Cache Evictions	Cache Hit %
com.betterprojectsfaster.tutorial.jhipsterdocker.domain.Product.orders	0	0	0	0	0	0	0
com.betterprojectsfaster.tutorial.jhipsterdocker.domain.Shipment	0	0	0	0	0	0	0
usersByEmail	0	0	0	0	0	0	0
com.betterprojectsfaster.tutorial.jhipsterdocker.domain.Product	0	0	0	0	0	0	0
com.betterprojectsfaster.tutorial.jhipsterdocker.domain.ShoppingOrder	0	0	0	0	0	0	0
com.betterprojectsfaster.tutorial.jhipsterdocker.domain.Address	0	0	0	0	0	0	0
com.betterprojectsfaster.tutorial.jhipsterdocker.domain.User.authorities	2	2	4	4	0	0	50
usersByLogin	3	2	5	2	0	0	60
com.betterprojectsfaster.tutorial.jhipsterdocker.domain.ProductOrder	0	0	0	0	0	0	0

Configuration

Filter (by prefix)

Spring configuration

Prefix	Properties	
application		
jhipster	registry cache	{ "hazelcast": { "timeToLiveSeconds": 3600, "backupCount": 1, "managementCenter": { "e nabled": false, "updateInterval": 3, "url": "" } }, "ehcache": { "timeToLiveSeconds": 3600, "ma xEntries": 100 }, "infinispan": { "configFile": "de fault-configs/default-jgroups-tcp.xml", "stats Enabled": false, "local": { "timeToLiveSecond s": 60, "maxEntries": 100 }, "distributed": { "timeToLiveSeconds": 60, "maxEntries": 100, "in stanceCount": 1 }, "replicated": { "timeToLiveSeconds": 60, "maxEntries": 100 } }, "memcach ed": { "enabled": false, "servers": "localhost:11 211", "expiration": 300, "useBinaryProtocol": true } }
	mail	{ "enabled": false, "from": "my_simple_shop@l ocalhost", "baseUrl": "http://127.0.0.1:8080" }

Logs

There are 1489 loggers.

Filter

Name	Level					
LiquibaseSchemaResolver	TRACE	DEBUG	INFO	WARN	ERROR	OFF
ROOT	TRACE	DEBUG	INFO	WARN	ERROR	OFF
ch	TRACE	DEBUG	INFO	WARN	ERROR	OFF
ch.qos	TRACE	DEBUG	INFO	WARN	ERROR	OFF
ch.qos.logback	TRACE	DEBUG	INFO	WARN	ERROR	OFF
class org	TRACE	DEBUG	INFO	WARN	ERROR	OFF

Audits

Filter per date

from 19.04.2 to 20.05.2

Date*	User \$	State\$	Extra data
May 19, 2019, 1:36:43 PM	user	AUTHENTICATION_SUCCESS	
May 19, 2019, 1:36:40 PM	user	AUTHENTICATION_FAILURE	Bad credentials Remote Address:
May 19, 2019, 1:21:15 PM	admin	AUTHENTICATION_SUCCESS	

Showing 1 - 3 of 3 items.

«« « 1 » »»

DETAILS, PLEASE!

#1 Java code generator: 174k downloads in last 30 days

No custom runtimes, just small libraries

Spring Boot 2.2 with Java 8/11: Maven or Gradle

Reactive (Spring Webflux) or traditional (servlets)

Front-end: Angular or React

Authentication: JWT, Oauth 2.0, session-based

Messaging & search: Kafka, Web Sockets, Elasticsearch

SQL (H2, MySQL, MariaDB, PostgreSQL, Oracle, MSSQL) or NoSQL (MongoDB, Cassandra, Couchbase)

Unit Tests: jUnit (Java) and Jest + Jasmine (Javascript)

Integration Tests: jUnit (Java)

Acceptance Tests: Browser tests generated for Protractor, BDD tests for Cucumber configured

Load Tests: Gatling configured

Continuous Integration: Jenkins, Travis, GitLab & Azure Pipelines

Cloud deployment: Docker Compose, Kubernetes, AWS, Google App Engine, Cloud Foundry, Heroku, OpenShift

Monitoring: Elasticsearch, Prometheus

You can disable generation of front-end and user administration

You can always customise the JHipster-generated code!

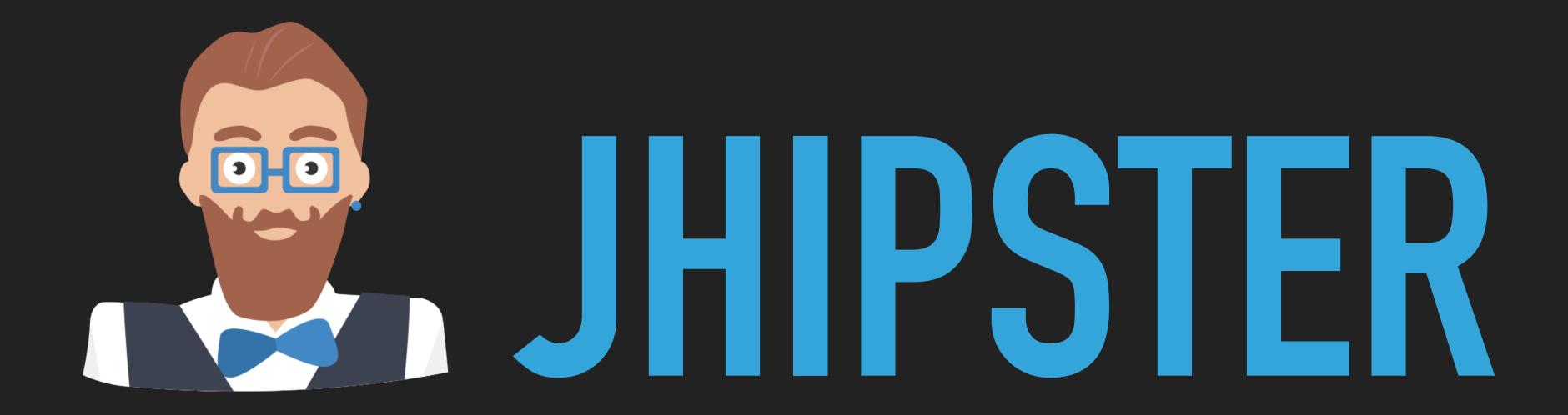
HOW CAN YOU USE JHIPSTER?

BUILD SPRING BOOT PROJECTS FOR PRODUCTION

BUILD IN PARALLEL TO PRODUCTION PROJECT& COPY CODE

BUILD 2 PROJECTS TO COMPARE CODE - SQL VS NOSQL, MICROSERVICES VS MONOLITH, ANGULAR VS REACT, . . .

BUILD PROJECTS FOR LEARNING TECHNOLOGIES



BETTER SPRING BOOT PROJECTS FASTER SAVES TIME IN LEARNING, PROJECT & CODE

JHIPSTER TUTORIAL



HTTPS://BPF.LI/T1

SLIDES



HTTPS://BPF.LI/PJHI