REVVUPTHE GOODOLD SAMARITAN

SPRING BOOT ADMIN





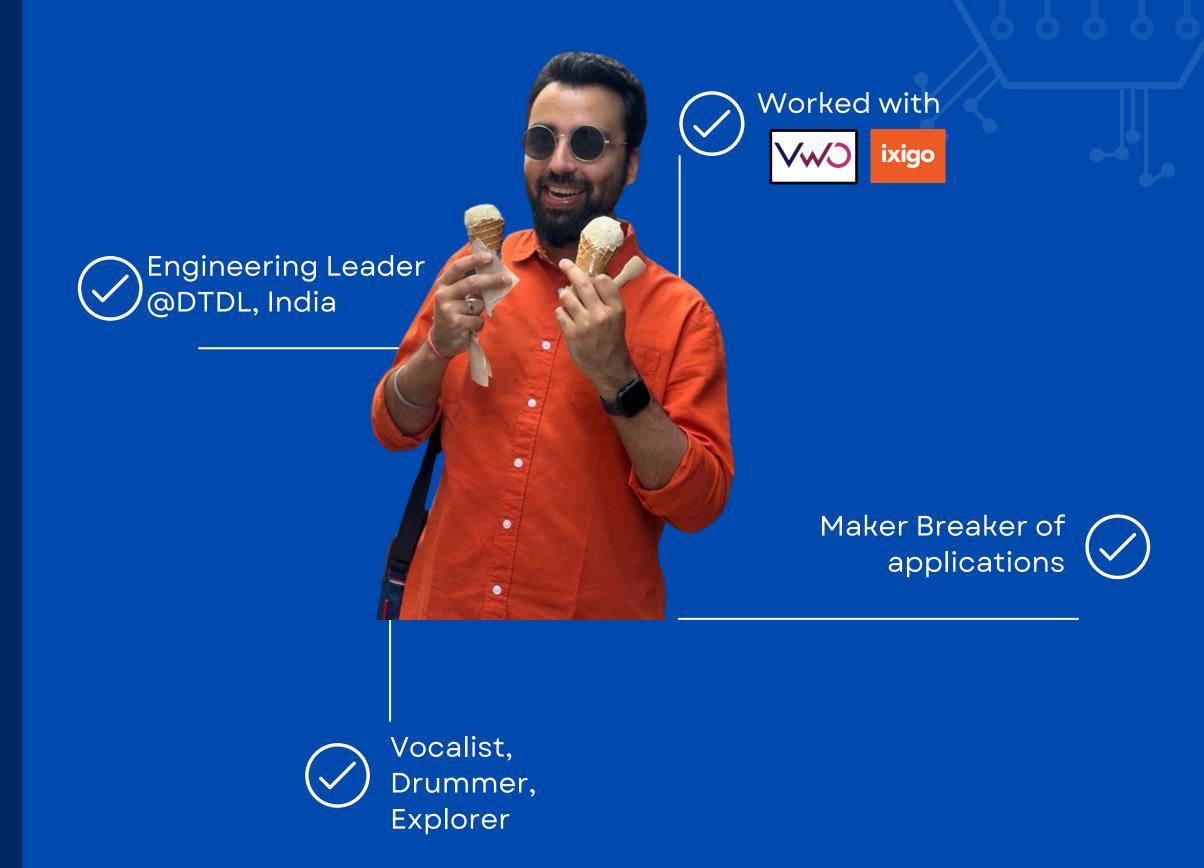


About Me

(Jatin Makhija)

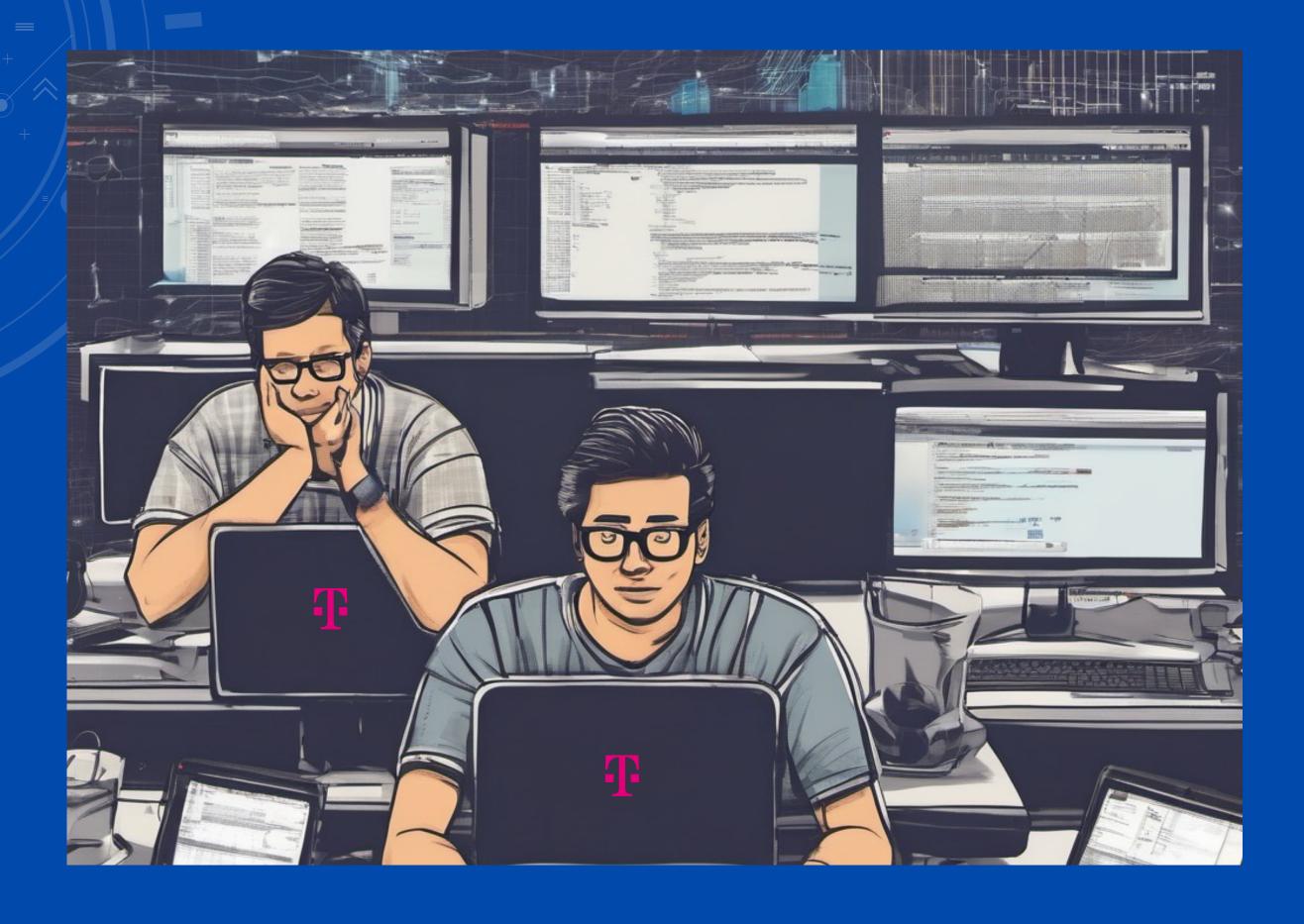










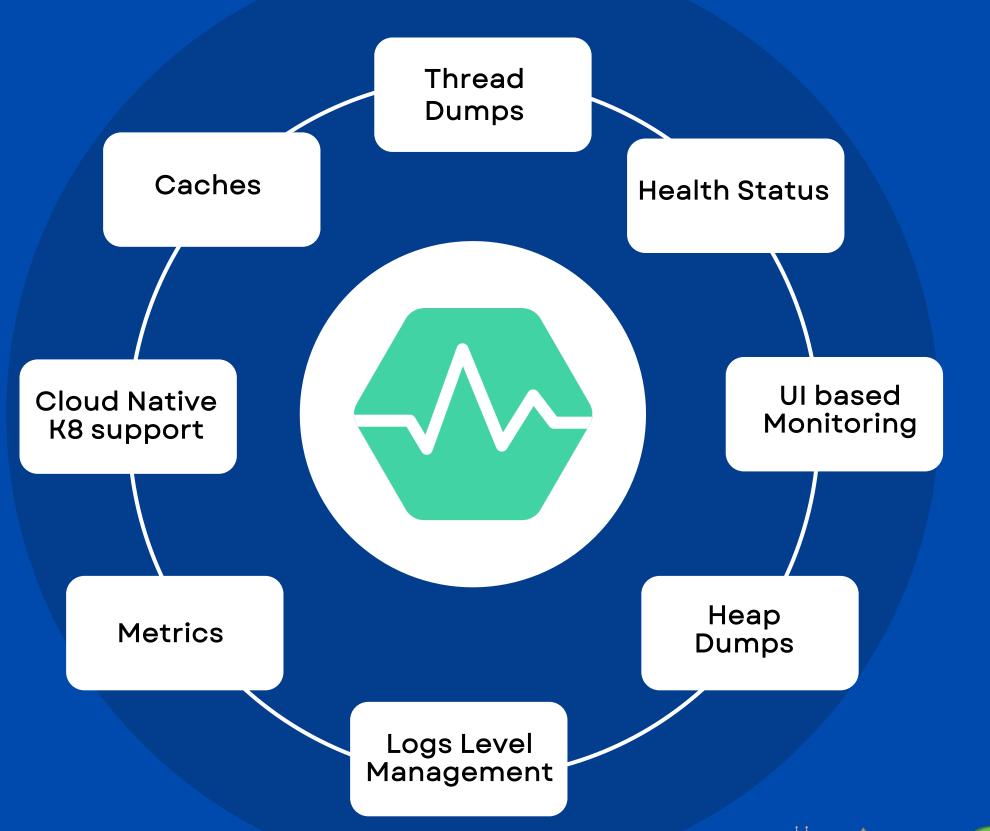






WHATIS

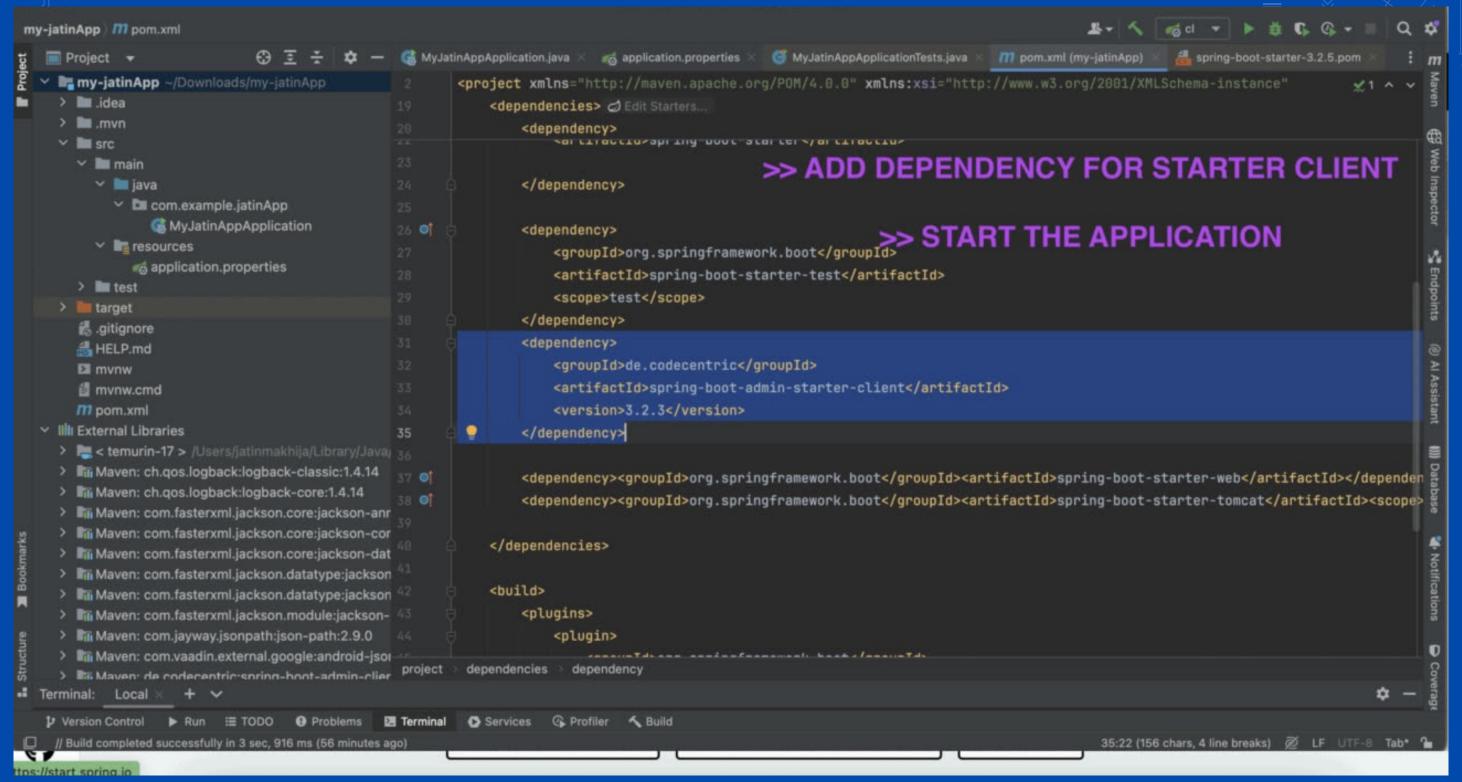
SPRING BOOT ADMIN?







SBA SETUP







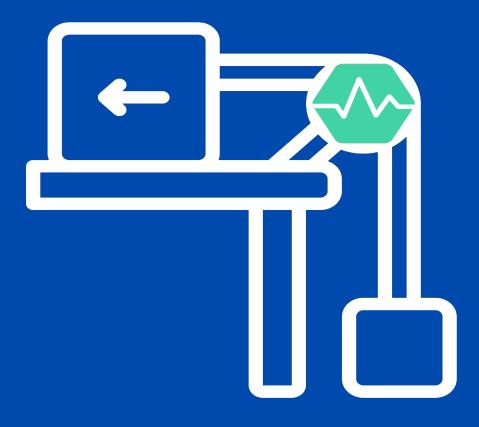
AGENDA UP NEXT

- Q Leveraging SBA
- Bugs, Incidents & Logs Management
- Feature Flags & Product Owners
- Automating & Automation with Sprint Boot Admin
- Health Checks & Monitoring
- Heap dumps & Thread dumps
- Timeouts & TTL
- Scale & Security





LEVERAGING SBA







BUGS, INCIDENTS & LOGS

"Kids fix bugs, legends solve incidents"









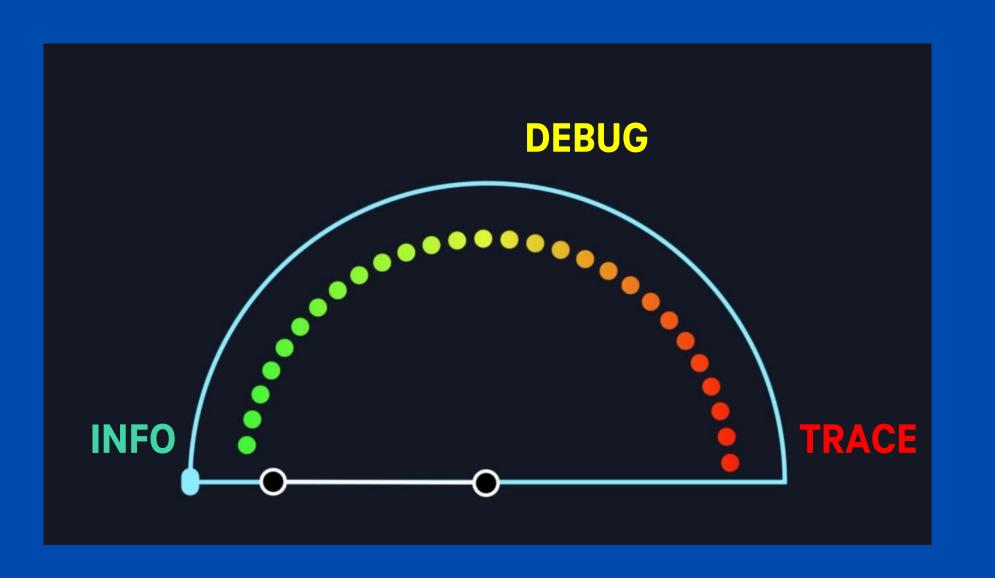
NO LOGS, NO PROBLEM





From info to trace in

5S







SENSITIVE LOGS, Eh?



IS IT SAFE?

YES!



IS IT THE RIGHT THING TO DO ON PRODUCTION?

DON'T FORGET TO REVERT!



IS IT GDPR COMPLIANT?

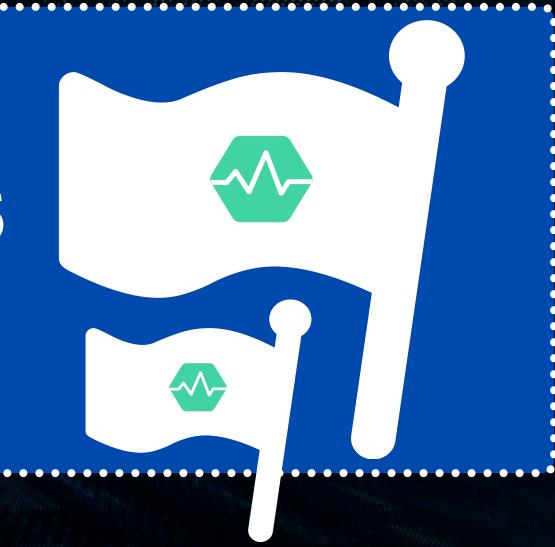
MASK THE PII







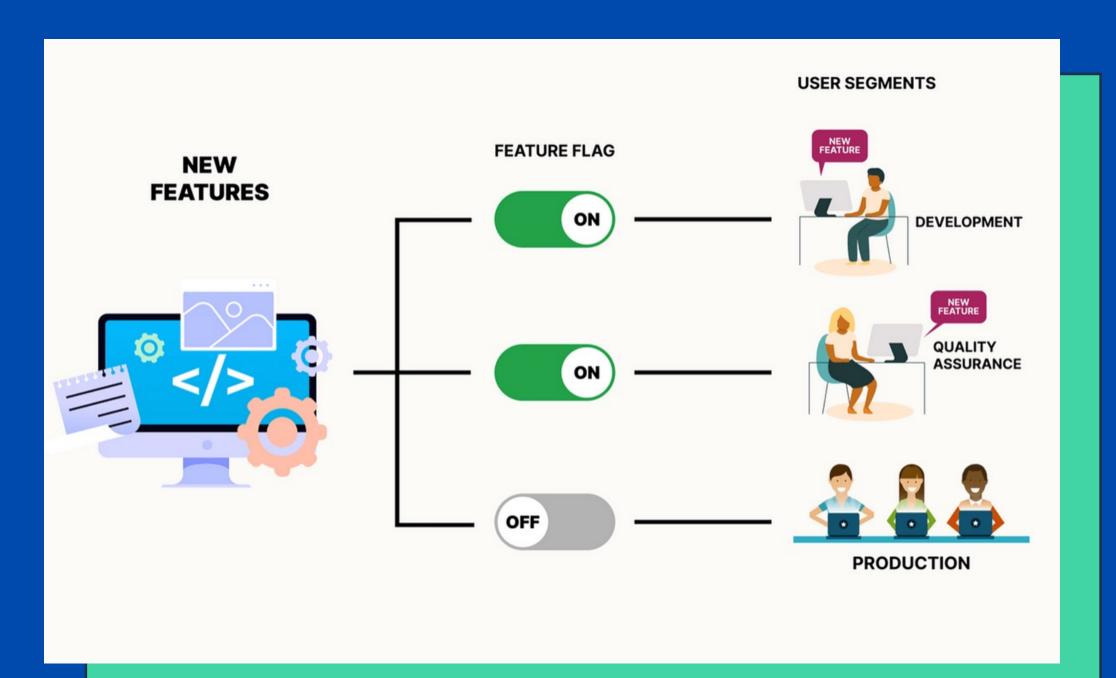
FEATURE FLAGS





Jatin Makhija





FEATURE FLAGS IN MULTITENANT APPLICATIONS



A feature a day, keeps the product owner away.

@NotJustBond

I GOT 99 FEATURES

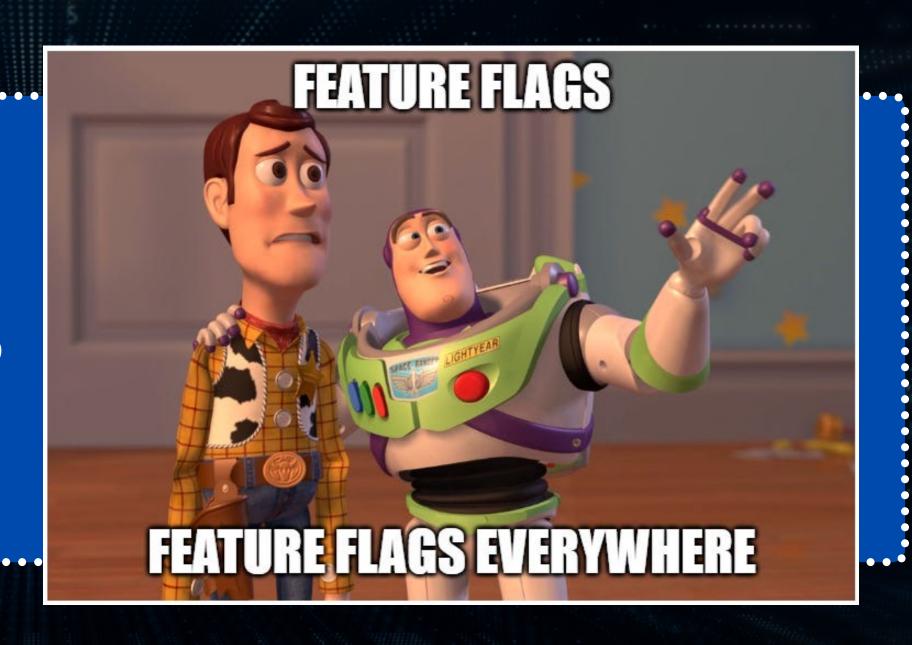
but don't know
how to test
01 of them

REAL FEATURE PROBLEM















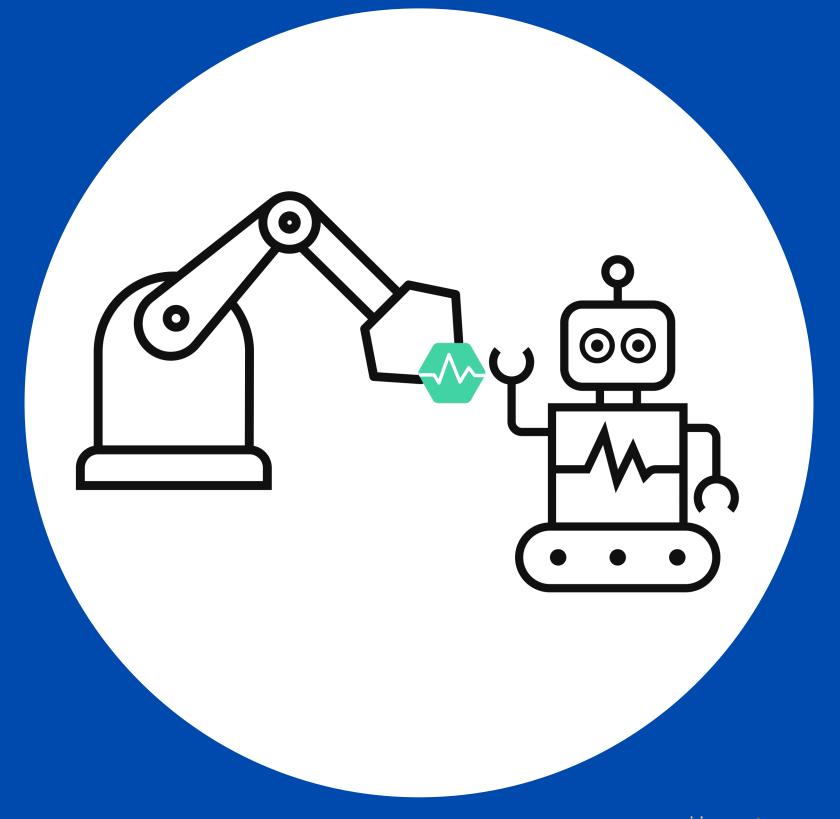
STABILITY & COVERAGE

- No more wait time
- No more re-deployments
- Refresh in blink of an eye
- Increased test coverage





AUTOMATION AUTOMATION AUTOMATION AUTOMATION AUTOMATION AUTOMATION AUTOMATION







SNEAK PEAK INTO ARCHITECTURAL DESIGN O











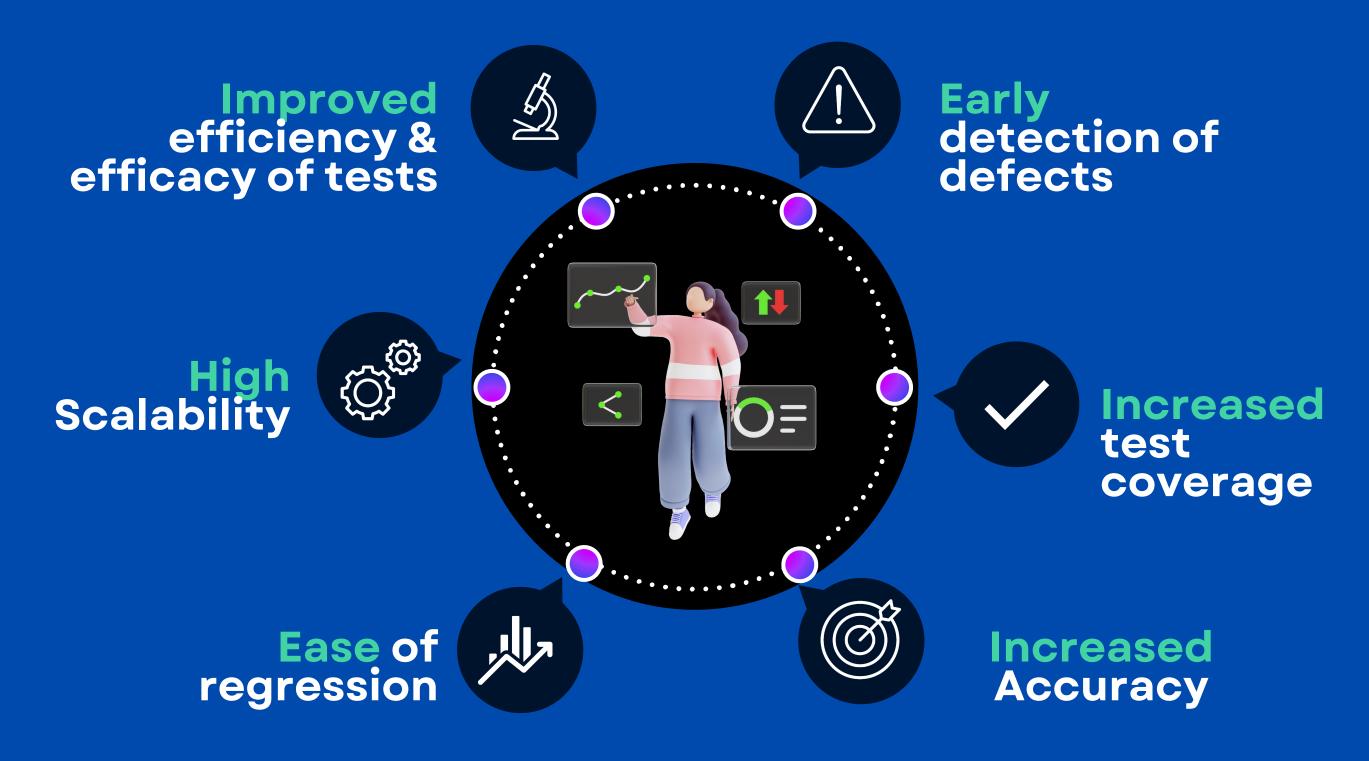
DEMONSTRATION





SPRING

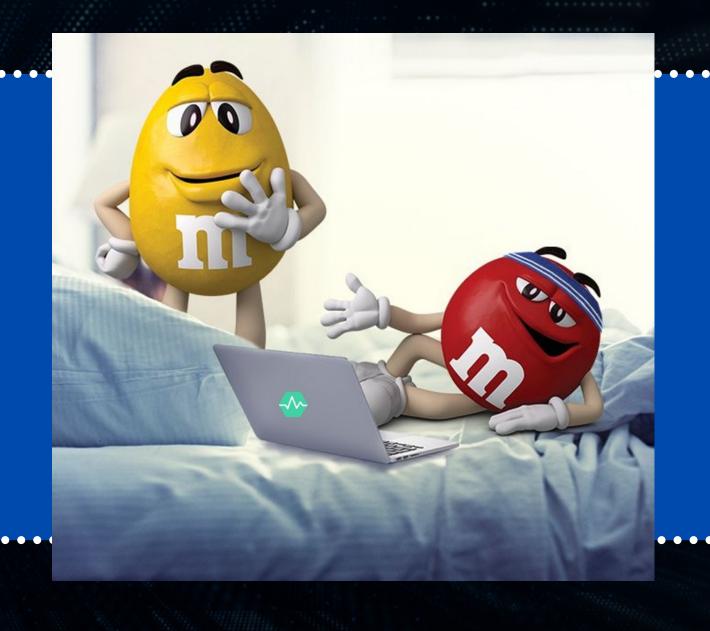
AUTOMATE TO ELEVATE







METRICS & MONITORING





SPRING

DEMO



WHO LET THE CODE OUT?

- When was the last build done?
- Did it successfully roll up to all Kubernetes 40 pods?
- Who did it?
- What is the tag/branch deployed?
- Was it done on blue, or green or both?









№ Spring Boot Admin

eshop-bffassembly

Insights

Details

Metrics

Environment

Beans

Configuration Properties

Scheduled Tasks

Loggers

JVM

Mappings

Caches

Info

```
git commit:
```

id:

describe-short: 24.08.1_prod-1478 describe: 24.08.1_prod-1478-g6244e92

abbrev: 6244e92

full: 6244e9256bc4147567edbf23117f347ddbhellobbbe

time: 2024-05-13T11:26:28Z

message:

full: ECDEV-27000: Different layout of device listing for SME/LE applications

short: ECDEV-27000: Different layout of device listing for SME/LE

user:

email: jatin.makhija@telekom-digital.com

name: Jatin Makhija

branch: qa build:

> time: 2024-05-13T11:31:00Z version: 1.9.0-SNAPSHOT

user:

name: jenkins

email: jenkinsworld@telekom-digital.com

host: ip-172-xx-4-101

dirty: false tags: closest: tag:

> commit: count: 1478

name: 24.08.1_prod

remote: origin:

url: https://git.iCannotShare.com/eshop/eshop-bff.git



DEPENDENCIES & OVERRIDE



```
<plugin>
 <groupId>pl.project13.maven/groupId>
  <artifactId>git-commit-id-plugin</artifactId>
  <executions>
   <execution>
     <id>get-the-git-infos</id>
     <goals>
       <goal>revision
     </goals>
   </execution>
 </executions>
</plugin>
```

HEAP DUMPS





SPRING

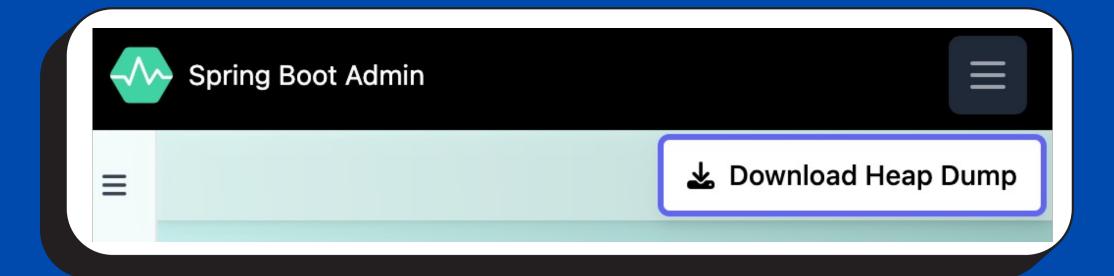
-XX:+HeapDumpOnOutOfMemoryError - XX:HeapDumpPath=/opt/tmp/heapdump.bin

jmap -dump:format=b,file=/opt/tmp/heapdump.bin 37320

GET

http://{ip}:9091/actuator/heapdump

JVisualVM









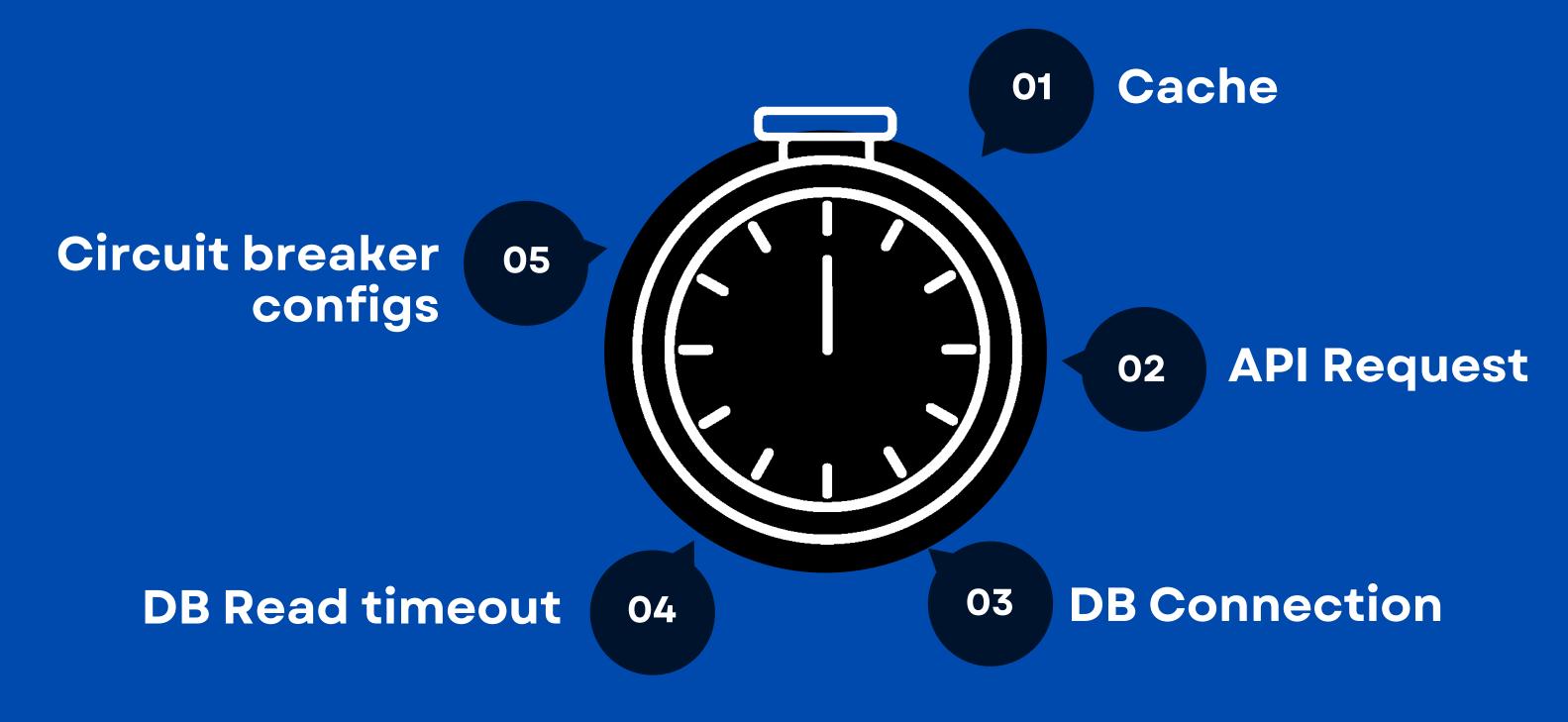
THREAD DUMPS

≛ Download Thread Dump	
Name	15:38:4015:38:4515:38:5015:38:5515:39:0015:39:0515:39:1015:39:1515:39:2015:39:2515:39:3015:39:3515:39:4015:39:4515:39:5015:39:5515:40:0015:40:0515
Reference Handler	
w Finalizer	
R Signal Dispatcher	
w Common-Cleaner	
R oneagentsubpathsender 1	
neagentperiodiceventsm	
Roneagentperiodicrequests	
Roneagentperiodicurls	
w elastic-apm-configuration	
w elastic-apm-type-cache	
w elastic-apm-server-report	

TIMEOUTS & TTL



TIMEOUTS & TTL

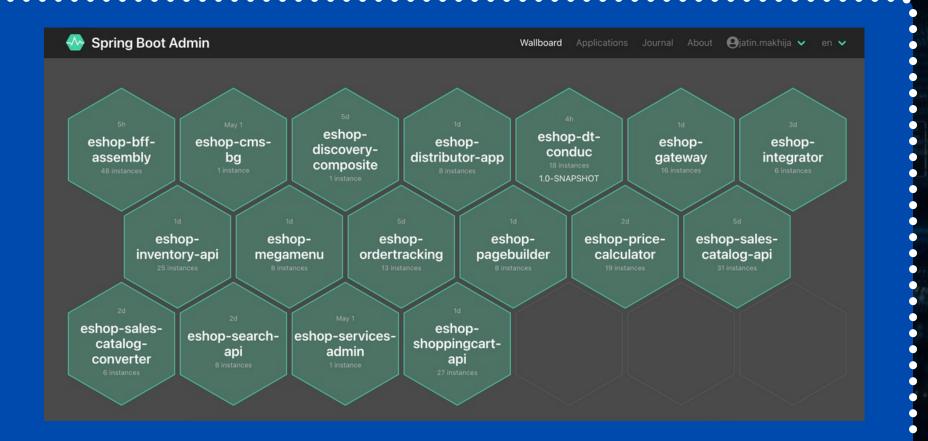






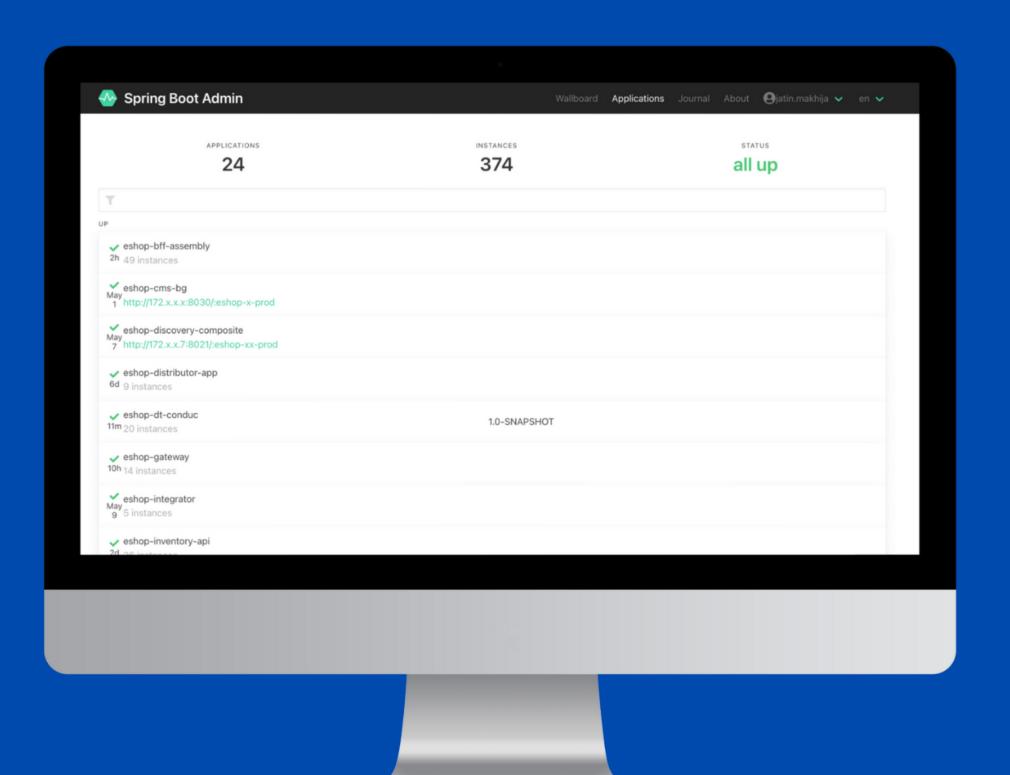


SBA @ SCALE













SECURITY & ACCESS CONTROL



Role	Summary	Access Level
SERVICE_ADMIN	Basic role to access SBA and get information like environment, configuration, loggers, beans, and JVM stats.	Level 1
SERVICE_ADMIN_ENV_EDIT	Update a particular environment property with the desired value in memory.	Level 2
SERVICE_ADMIN_CONFIG_ REFRESH	Complete refresh of refreshable properties and bean using the /refresh end point	Level 2
SERVICE_ADMIN_THREADD UMP	Can perform a thread dump	Level 3



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SPRING