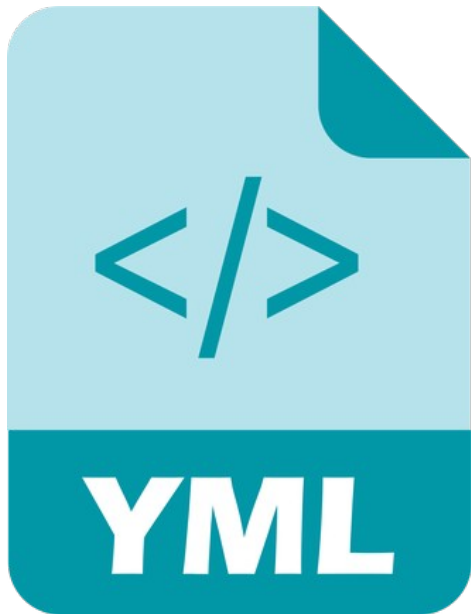# Yaml2Prop

Roman Tolstosheyev
IT 20.01

What is YAML

YAML Ain't Markup Language


```
4   on:
5     push:
6       branches:
7         - master
8   jobs:
9     build:
10      runs-on: ubuntu-latest
11      steps:
12      - uses: actions/checkout@v1
13      - name: Install Node package
14        run: npm install
15      - name: Build the project
16        run: npm run build
17      - name: Deploy to S3
```

What is .properties

- **Java Applications**
- **Web applications**
- **Some programs**
  - Apache Flex
  - CPAN
  - OpenUI5
    and others..

```
#Sample application properties file

#Define all the property values during development phase
myapp.db.env=dev
myapp.db.userName=scott
myapp.db.password=bingo




#Sample application properties file
#During *deployment* remove the property value for the password
#The password would be passed dynamically
myapp.db.env=prod
myapp.db.userName=scott
myapp.db.password=
```

Problem

- **https://stackoverflow.com/questions/52059609/convert-application-yml-file-to-application-properties**
- **https://stackoverflow.com/questions/57465865/how-to-convert-from-application-properties-to-application-yml-in-spring-boot**
- **https://stackoverflow.com/questions/59210260/how-does-one-convert-application-properties-to-application-yml-for-maps**
- **https://plugins.jetbrains.com/plugin/13804-convert-yaml-and-properties-file**
-

2012

2020

3 Billion
Devices Run Java

3 Billion
Devices Run Java

Yaml2Prop
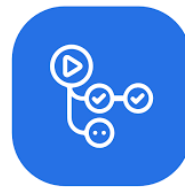
YAM→.properties

```yaml
1  jwt:
2    secret-key: MY_SECRET_KEY
3
4  server:
5    port: 8081
6    servlet:
7      context-path:
8        /ambiglyph-server
9
10 spring:
11   datasource:
12     url: jdbc:mysql://localhost:3306/ambiglyph
13     username: root
14     password: 12345678
15   jpa:
16     database-platform: org.hibernate.dialect.MySQL5InnoDBDialect
17 #    show-sql: true
18     hibernate:
19       ddl-auto: update
20 #debug: true
```
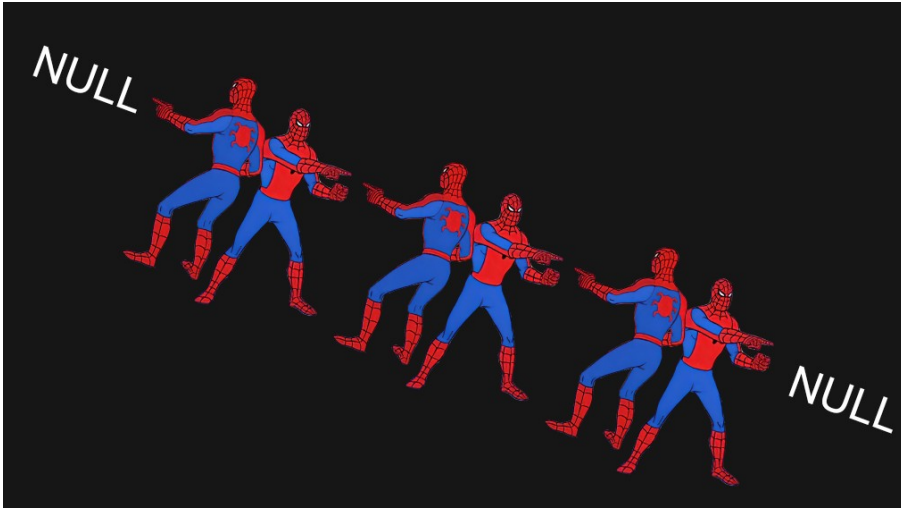
```properties
1  jwt.secret-key=MY_SECRET_KEY
2  server.port=8081
3  server.servlet.context-path=/ambiglyph-server
4  spring.datasource.url=jdbc:mysql://localhost:3306/ambiglyph
5  spring.datasource.username=root
6  spring.datasource.password=12345678
7  spring.jpa.database-platform=org.hibernate.dialect.MySQL5InnoDBDialect
8  spring.jpa.hibernate.ddl-auto=update
```

CMake

GitHub Actions

Approaches

- **libyaml → events**
- **StAX parser for XML**

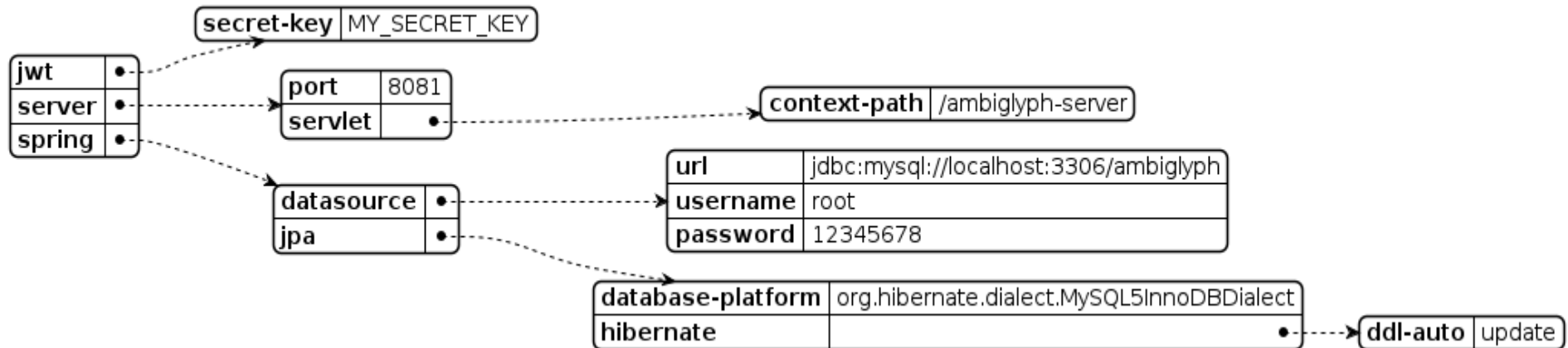( ) (( )) (( ))

Visualization

```
jwt.secret-key=MY_SECRET_KEY
server.port=8081
server.servlet.context-path=/ambiglyph-server
spring.datasource.url=jdbc:mysql://localhost:3306/ambiglyph
spring.datasource.username=root
spring.datasource.password=12345678
spring.jpa.database-platform=org.hibernate.dialect.MySQL5InnoDBDialect
spring.jpa.hibernate.ddl-auto=update
```

Approaches

- **C + Java =** ❤️
- **PlantUML**
- **Log4j Free**
- **Systemcals**

Let's use it!