

# JHipster

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**CGI**



# JHiPSTER, un assemblage de Technos

## Coté Client

- Angular / React
- Yeoman, 
- Webpack, 
- Bootstrap, 
- I18N, 
- SASS, 
- Websocket, 



## Côté serveur

- Maven | gradle
- Spring Core,
- Spring Security
- Spring REST + Jackson
- Spring Data [JPA, Jdbc, Mongo, Cassandra]
- ElasticSearch
- Liquibase
- Kafka
- Caching : EHCACHE, Hazelcast
- Logback
- Docker compose
- H2 database → Test

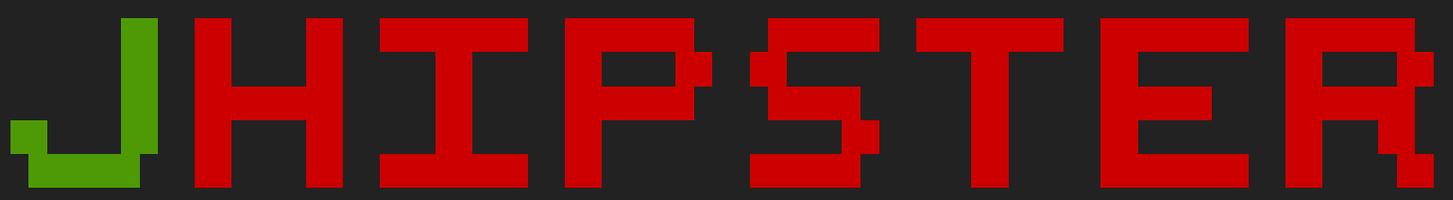


# JHipSTER, des generateurs (1/2)

## Génération du projet

- Des questions pour configure le projet
  - Angular ou React...
  - Security : JWT, OAuth2
  - BD : PostgreSQL, Maria, Oracle ... Mongo, Cassandra
  - BD test H2
  - Cache : EHCACHE, Hazelcast
  - ...

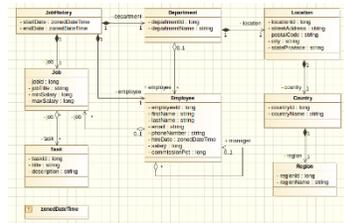
```
jhipster > node_modules/yo/lib/cli.js jhipster
```

The logo for JHipSTER is displayed in a large, pixelated font. The letter 'J' is green, while the letters 'HIPSTER' are red. The font has a blocky, digital aesthetic.

<http://jhipster.github.io>

```
Welcome to the JHipster Generator v3.0.0
Application files will be generated in folder: /home/seba/Temp/Auth0/jhipster
? May JHipster anonymously report usage statistics to improve the tool over time? Yes
? (1/16) Which *type* of application would you like to create? (Use arrow keys)
> Monolithic application (recommended for simple projects)
  Microservice application
  Microservice gateway
```

# JHiPSTER, des generateurs (2/2)



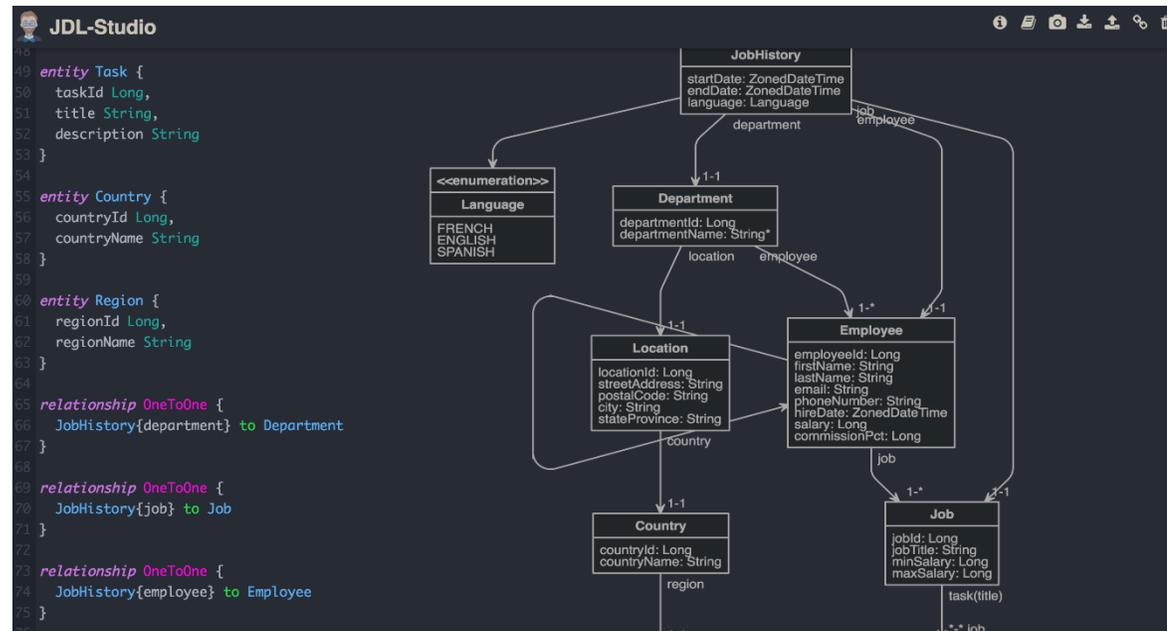
Modèle .jdl

Génération de code

- Entity + Repository
- Service,
- RestController,
- Ecran : Html, controller, Service

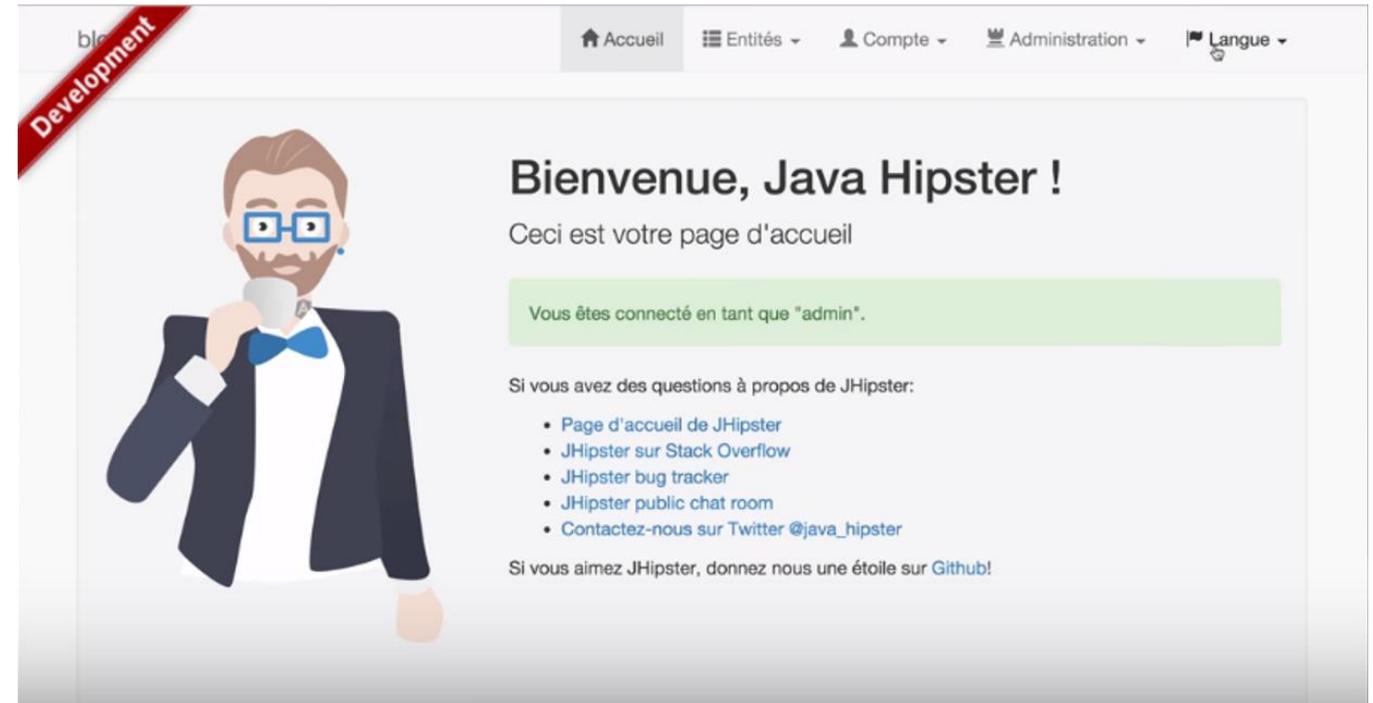
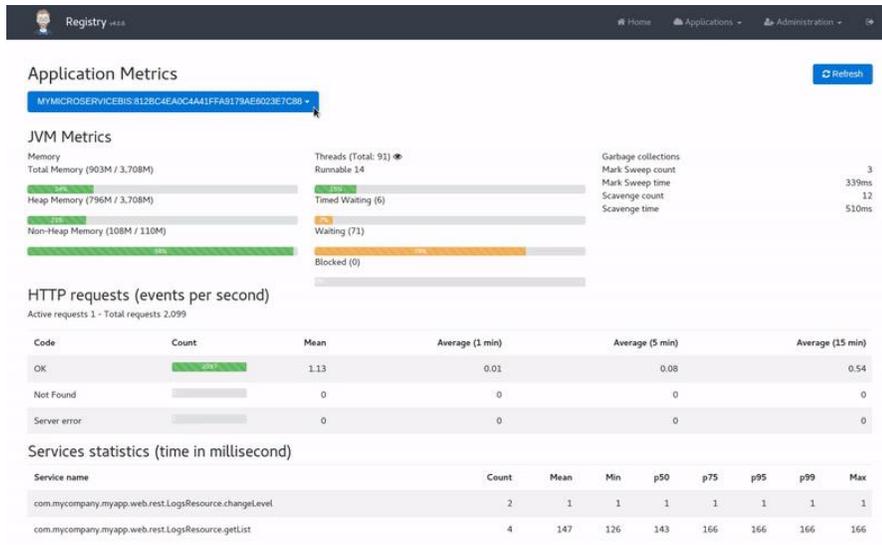
Editeur de fichier modèle .jdl

*!/: Pas d'héritage entre Entity avec .jdl*



# Une IHM de base

- Ecrans d'administration
  - Metrics
  - Tables des entités
- Authentification utilisateur



**Books**

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ID	Title	Description	Publication Date	Price	Author	
2	Inferno	Inferno is a 2013 mystery thriller novel by American author Dan Brown and the fourth book in his Robert Langdon series, following Angels & Demons, The Da Vinci Code and The Lost Symbol.	May 14, 2013	45	Dan Brown	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
4	King Lear	King Lear is a tragedy written by William Shakespeare. It depicts the gradual descent into madness of the title character.	Dec 30, 1604	10	William Shakespeare	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
5	Gulliver's Travels	It is Swift's best known full-length work, and a classic of English literature.	Oct 26, 1726	15	Jonathan Swift	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>



# Quelques conseils

- Il n'y a rien de magique ! → Repose beaucoup sur Spring \* et des conventions
- Utiliser un modèle jdl avec le JHipster studio puis importer votre modèle
  - Conserver le répertoire .jhipster
  - Modification du schéma → Relance du générateur (cf doc JHipster)
- Respecter la structuration des packages
- IDE :
  - \* : IntelliJ IDEA community
  - Java : Eclipse
  - TS : Visual Studio Code
- Comment démarrer ?
  - Lire doc JHipster : <https://www.jhipster.tech>
  - Installer Java11, Node 12 LTS, Maven 3+, Yo, Jhipster
  - Générer un projet
  - Construire son modèle (Jhipster Studio) et générer