

# Creando aplicaciones Web con JavaEE 7 y JBoss Forge

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Java Day 2016

# Víctor Orozco

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- ▶ @tuxtor
- ▶ The J\*



# JavaEE 7



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# Framework - Ecosistema

## The Java Ecosystem



# Framework - Enterprise



JSF/CDI/JAAS/JPA/JAX-RS/JAX-WS

Components

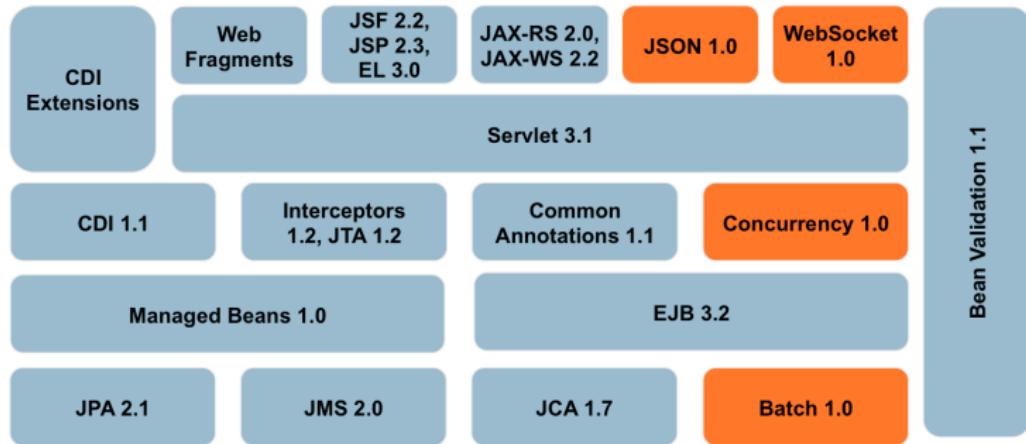


Spring MVC/IoC/Security/JPA/JAX-WS



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# JavaEE 7



# JavaEE 7

- ▶ API Rest - JAX-RS 2.0
- ▶ WebSocket - WebSocket 1.0, Servlet 3.1
- ▶ JSON - JSON API 1.0
- ▶ SOA, Microservices

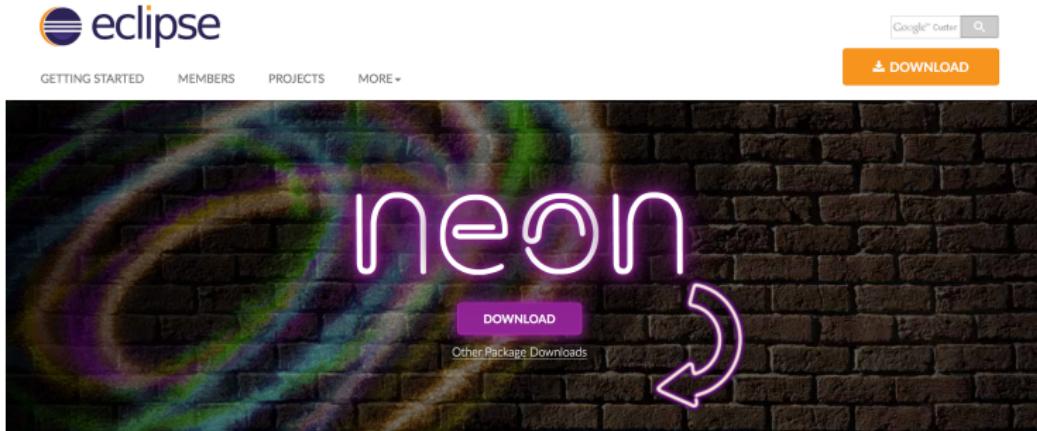


## Eclipse Neon



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# Eclipse Neon



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# Eclipse Neon

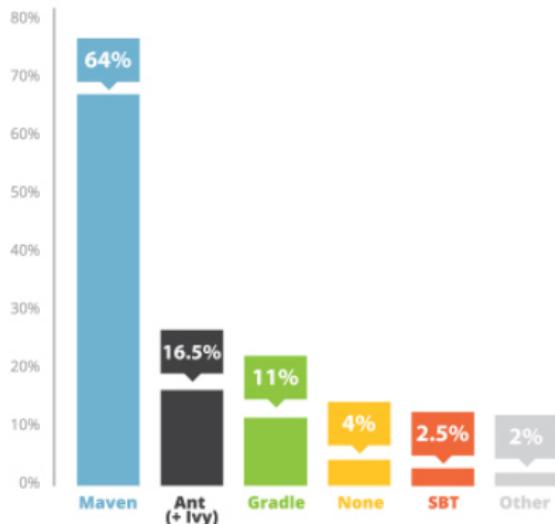
- ▶ 13 años en desarrollo
- ▶ JSDT - JSON Editor, Grunt/Gulp, V8 Debugger
- ▶ HiDPI (yey!)
- ▶ PHP 7
- ▶ Cloud settings
- ▶ Soporte docker
- ▶ Gradle, EGerrit, Paho, Android Tooling, . . .



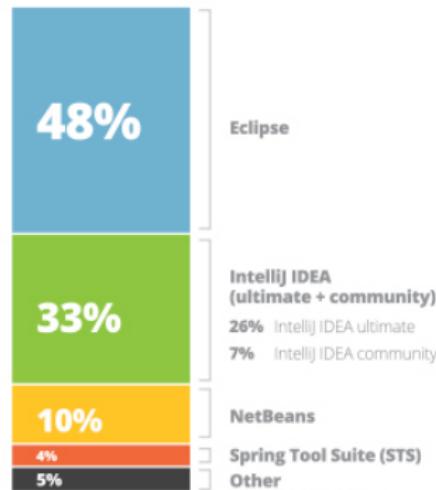
# Eclipse Neon

En 2014 . . .

**Build tool** used most often



### **IDE used** most often



# RED HAT® JBOSS® DEVELOPER STUDIO

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# JBoss Tools

- ▶ JSDT - JSON Editor, Grunt/Gulp, V8 Debugger
- ▶ OpenShift 3, Docker
- ▶ **Forge Tools**
- ▶ EAP 7.0 (yey!)
- ▶ CDI
- ▶ LiveReload (WildFly, JBoss)
- ▶ FrontEnd Tooling, BrowserSim
- ▶ Arquillian, AeroGear, Batch Tools
- ▶ Complemento o empaquetado

## Downloads

Latest stable versions of JBoss Developer Studio and JBoss Tools

### JBoss Developer Studio 10.0.0.GA Stable

One click install - for Windows, Linux and Mac  
Based on JBoss Tools 4.4 supported plugins  
Full IDE installer or install to existing [Eclipse Neon](#)  
JBoss Central to install extra features  
[Supported by Red Hat](#)  
Released on 2016-06-27

[Download](#)

### JBoss Tools 4.4.0.Final Stable

Individual plugins for Eclipse, including experimental plugins  
Install into existing [Eclipse Neon](#) only  
Some assembly required  
JBoss Central to install extra features  
[Community only support](#)  
Released on 2016-05-27

[Download](#)

or try the latest development build.

JBoss Forge



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- ▶ Layout
- ▶ Dependencias (pom.xml)
- ▶ Scaffolding
- ▶ Domain driven development
- ▶ Deployment

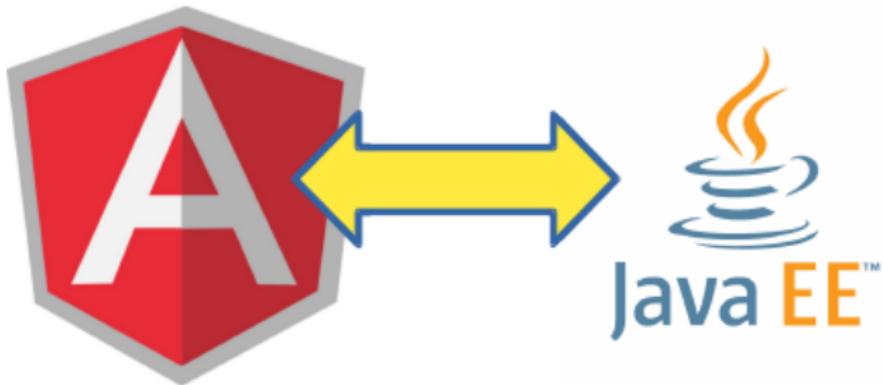
Demo



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# Arquitectura 2016





# Ventajas

- ▶ Existen N cantidad de bibliotecas JavaScript
- ▶ Independencia de backend
- ▶ Escalabilidad (stateless)
- ▶ Thin server apps
- ▶ Mejor tiempo de respuesta en comparación a JSF/SpringMVC

# Desventajas

- ▶ Existen n cantidad de bibliotecas JavaScript
- ▶ Complejidad y restricciones de REST
- ▶ AngularJS no sera compatible hacia atrás

# Demo

- ▶ CRUD Registro Java Day
- ▶ H2 + WildFly 10
- ▶ Bean Validation, JPA, JAX-RS, JSON
- ▶ AngularJS vanilla
- ▶ Forge Tools
- ▶ <https://github.com/tuxtor/bookstore>



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- ▶ Eclipse Neon - <https://eclipse.org/>
- ▶ JBoss Tools - <http://tools.jboss.org/>
- ▶ AngularJS - <https://angularjs.org/>
- ▶ JavaEE - <http://docs.oracle.com/javaee/7/index.html>
- ▶ Libros recomendados:
  - ▶ Java EE 7 Essentials - Arun Gupta
  - ▶ Developing RESTful Services with JAX-RS 2.0 - Masoud Kalali, Bhakti Mehta
  - ▶ Eloquent JavaScript - Marijn Haverbeke

# Gracias

- ▶ me@vorozco.com
- ▶ <https://www.vorozco.com>
- ▶ <http://github.com/tuxtor/slides>



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