



Grails – Agile Web 2.0 The Easy Way

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What Is Grails?

- Full stack MVC framework for web apps
- Exploits the awesome power of Groovy
- Leverages proven staples
 - Hibernate
 - Spring
 - Sitemesh
- Excellent for those apps in the sweet-spot
- Fun, Fun, Fun



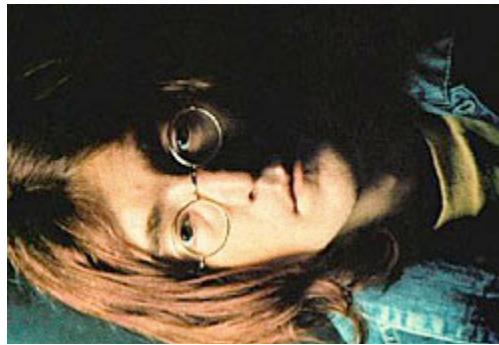


What About The Celebrities?

- Famous people love Grails
- This presentation includes a number of quotes from your favorite well knowns
- Don't dig it just because they do
- Just dig it!

A True Visionary

- Coding by convention



“Imagine no config files.

It's easy if you try.

No action mappings.

Man, that Grails is going to be fly.”



In a rare moment of clarity, Yoko convinced John to remove this verse from Imagine since Grails hadn't been invented yet.





Wet Your Grails Whistle

- Lets take a lightning fast first look...

From Nothing To CRUD In 2 Minutes...



Is That All There Is To It?

Holy productivity Bat Man!
What are we going to do
with all the free time?



- Is that all I can do?
- I need to build real applications

Grails Commands

- Gant is doing some heavy lifting

- create-app
- create-controller
- create-service
- create-domain-class
- create-job
- generate-controller
- generate-views
- generate-all
- run-app
- war



Scaffolding

- Dynamic
 - It is all just magic
- Generated
 - Generated code may be a good starting point



Domain Classes

- The “M”
- Stick to the POGO
 - Let the controller do the controlling
 - Let the view do the viewing

Controllers

- The “C”
- Traffic cop
- Defining actions
- Navigating to the view

Views

- The “V”
- Groovy Server Pages (GSP)
- Custom Tag Libraries
- Sitemesh



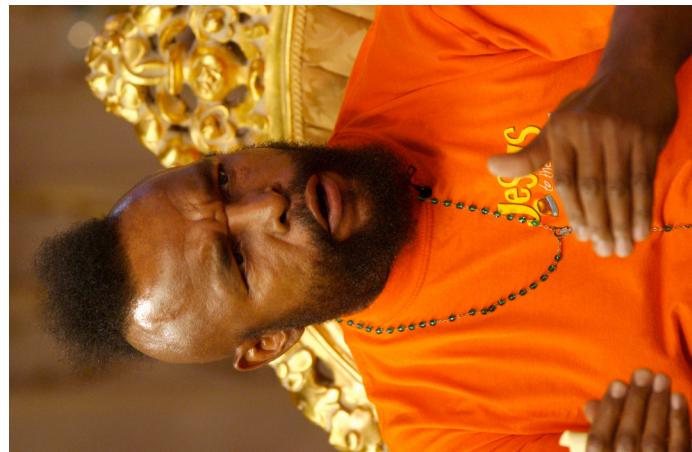
Tag Libraries

- Provided tags
 - Logical, Iterative, Ajax, Form, etc...
- Custom tags
 - No config files
 - Leave those TLDs behind
 - It is all Groovy





Should I Miss My TLD Files?



I pity the fool who has to
maintain all of those TLD files.

Hey Dude, Where Is My Data?

- `DataSource.groovy`
- `HSQL DB`
 - In memory db is great for evolving schema during development
- `BootStrap.groovy`



GORM

- Groovy Object Relational Mapping
- Hibernate under the covers
- No need to manage mapping files
 - You still can if the need arises
 - Can map Java classes



Dynamic Domain Class Methods

- **findBy**
 - `Person.findByLastName ("Brown")`
 - `Person.findByLastNameAndFirstName ("Brown", "Jeff")`
- **findWhere**
 - `Person.findWhere (lastName: "Brown", firstName: "Jeff")`
- **Etc...**



Links

- Main Groovy Site
<http://groovy.codehaus.org/>
- Main Grails Site
<http://grails.org/>
- G2One
<http://www.g2one.com/>
- Groovy Portal
<http://aboutgroovy.com/>
- My Blog
<http://javajeff.blogspot.com/>



Thank You For Coming

Q & A

