Groovy and CFML

CFGroovy: Groovy for CFML Developers

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Who Am I?

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Sr. Web Application Developer
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10 years of CFML development
2 years of Spring/Hibernate development

I try not to read slides. I don't always succeed.

Who Are You?

- CFML developer
- Sense there's more out there
- Curious about other languages
- Curious about Java Platform technologies

What We're Talking About

- Groovy, CFML, and Java

- Language selection

- Language integration

- Why it matters

- How it can help

- Billions of tiny magnets spinning around and around

Java

- JVM based
- Java syntax
- Static typing
- Compiled
- Ceremonious
- Concise

- Huge ecosystem
- Widely adopted
- Stable

CFML

- JVM based
- CFML syntax
- Dynamic typing
- "Compiled"
- Essential
- Verbose

- Small ecosystem
- Increasing adoption
- Cumbersome access to Java

Groovy

- JVM based
- Extended Java sytax
- Dynamic typing
- Interpreted or compiled
- Essential
- Concise

- Small ecosystem
- Increasing adoption
- Direct access to Java

Data Structures

Java Access

Groovy Language Features

- Closures

- Optional typing

- Literals (that actually work)

- Meta programming

- Inline DSLs

- Lots of "grease"

- http://groovy.codehaus.org/Documentation

CFGroovy (1)

- Created in 2007
- Initially a scriptlet focus
- Morphed into Hibernate focus
    - Largely superseded by CF9's ORM
- Abandon-ware?

Hibernate Demo

- Config
- Entity
- Saving
- Recall
    - Implicit relationship traversal

CFGroovy 2

- Created at cf.objective() 2009
- One CFM file (an 88 line custom tag)
- Scriptlet-only
- Shared output stream
- Pluggable languages

Demo

The Future

- Hibernate devalued by CF9

- Return to scriptlet focus (CFGroovy 2)

- Scriptlet classpath

- Better CFML integration, where possible

Groovy Gotchas

- zero- vs one-based indexing
- Map key case sensitivity
- Type ambiguity
- PermGen (CFGroovy only – not CFGroovy2)

What's the Point?

- Use more/better tools
- Increase your skillset
- Bridge to Java/JRE piecemeal

The Punchline!

Soapbox*

- If you're not using version control, start. Before you write another line of code.

- If you don't use a Front Controller framework, start. (I like FB3Lite, but then I wrote it)

- Learn about your tools. They're all **far** more powerful than you believe.

* I'm going to read this one verbatim. Sorry.

Links

Preso (w/ example source): http://tinyurl.com/cfunited09-cfgroovy

Blog: http://www.barneyb.com

Email: bboisvert@gmail.com

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CFGroovy
    Info: http://tinyurl.com/cfgroovy
    Source: https://ssl.barneyb.com/svn/barneyb/cfgroovy/trunk/demo

CFGroovy 2
    Info: http://tinyurl.com/cfgroovy2
    Source: https://ssl.barneyb.com/svn/barneyb/cfgroovy2/trunk/demo

FB3Lite
    Info: http://tinyurl.com/fb3lite
    Source: https://ssl.barneyb.com/svn/barneyb/fb3lite/trunk/index.cfm