

Groovy & Grails in Eclipse Inferencing everywhere

Andrew Eisenberg

SpringSource

a tiny division of VMWare

Groovy is a dynamic language for the JVM



- Java-like syntax, but more permissive
- Dynamic typing
- Closures

```
def x = [ "very", "groovy" ]  
x.forEach { print "$it " }
```

- Prints: very groovy

Grails is web framework for Groovy



- Model-view-controller architecture
- Convention over configuration
- Easy to build web applications quickly

- Dynamic languages are great, but...
- Dynamicism makes it hard to write tools:

```
def x = 9
x = ""
x.startsWith(x)
```

- What is the type of x?
- This cannot be written in Java

- A little bit can go a loooooong way
- 3 kinds of inferencing for Groovy
 - Assignments:

```
def x = 9
```
 - Categories:

```
use (StringUtils)  
{ "" .capitalise() }
```
 - Domain specific (eg- Grails)

```
Render, request, ...
```

Inferencing forms the core



- Content assist
- Search
- Navigation
- Undefined references

-
- Create a simple Grails application

Thank you!



-
- andrew.eisenberg@springsource.com
 - STS:
<http://www.springsource.com/products/sts>
 - Groovy-Eclipse:
<http://groovy.codehaus.org/Eclipse+Plugin>