Groove Is In The Ant

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About The Speaker

◦ Started Riverside Software 10 years ago
◦ Based in Lyon, France
◦ Continuous integration and technical expertise around Java / OpenEdge
◦ Code analysis for OpenEdge

Ant in build automation

◦ Lots of tasks used in build automation
◦ Not specifically meant for deployment
◦ PCT widely used in the OpenEdge world

◦ Deployment needs more...
◦ So your script grew...
Pointy-Bracket Hell?

Ant-Contrib Hell...

Here’s Groovy!
What’s Groovy?

- Dynamic language for the Java Virtual Machine
- Built on Java, gives access to the entire Java ecosystem
- Easy to learn (especially if you know Java)
  - A bit more difficult to master 😊
- Used in Jenkins

Hello, PUG Challenge!

```groovy
println "Hello, PUG Challenge"
```

GStrings

```groovy
def x = "PUG Challenge"
println "Hello, $x"
```
Multi-line Strings

Regular Expressions

Closures
Closures

```groovy
closure2.groovy
1 def transform = { str, transformation ->
2
3 printn transform("Hello, Pug Challenge", { it.toUpperCase() })
```
Ant support in Groovy

- Supported by default in Groovy

```
def ant = new AntBuilder()
ant.taskdef(name: 'hello', class: 'org.codehaus.groovy.antlr.HelloTask')
ant.hello()
```

Groovy support in Ant

```
<groovy>
  <project name="hello" class="org.codehaus.groovy.antlr.HelloTask" />
  <echo>
    Hello, world!
  </echo>
</groovy>
```
PCT support in Groovy

```
import java.util.*

public class Main {
    public static void main(String[] args) {
        // Groovy code here
    }
}
```

Or use JCommander

```
Command-line parameters
```

```
import org.jcommander.ParameterParser;

public class Main {
    public static void main(String[] args) {
        ParameterParser parser = new ParameterParser();
        // JCommander code here
    }
}
```
What for?

- Deployment script
- Dev environment setup
- Database update script
- ...

Download

- https://github.com/Riverside-Software/groovy-pct
Groovy fun...

```groovy
fun groovy.
```
Questions?