

Apache Groovy

Mahendran Mookkiah

Java Developer/Architect

https://www.linkedin.com/in/mookkiah/

@mmookkiah

https://github.com/mookkiah

Thanks!

Sponsor: MODIS

Logistics : Adecco Staffing

Host: JaxArcSIG

Agenda

- **≻**Introduction
- ➤ Where Groovy used
- ➤ Where to start
- ➤ Groovy SDK
- Experience with demo
- ➤ Where can we apply

WWW

What

- Agile and dynamic language for the Java Virtual Machine
- Powerful by combining OO capabilities with scripting

Why

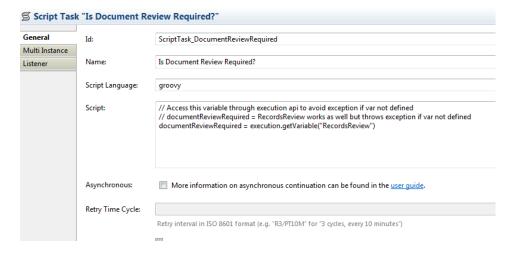
- Fast learning curve for Java developer
- Integrates smoothly with Java platform

Where

- Scripting on top of the Java (app/container) underneath
- DSL where domain logic is fluid

Where Groovy Used

- ➤ Jenkins Continuous Integration
- ► Camunda Work Flow
- ➤ Apache Camel, Mule Enterprise Integration



Bulla	
Execute shell	(?
Execute Windows batch command	(?
☐ Invoke Ant	(?
☐ Invoke top-level Maven targets	(?
☐ Execute Groovy script	(?
Execute system Groovy script	(?
Groovy command <a builds:"<="" delete="" don't="" href="mailto:println" old="" println"="" projects="" td="" these="" =""><td></td>	

Where to start?

RES

- http://groovy-lang.org
- http://www.vogella.com/tutorials/Groovy/article.html

IDE

- Your favorite IDE http://groovy-lang.org/ides.html
- Or just notepad ☺

TRY

https://groovyconsole.appspot.com/

Groovy SDK

Commands to run groovy program

- > groovyc
- groovy
- > groovysh
- groovyConsole

Demo using

- > online editor
- > command line
- > Eclipse

Features & Demo

Groovy automatically imports the following packages and classes which can be used in Groovy without specifying the package name.

- groovy.lang.*
- groovy.util.*
- java.lang.*
- java.util.*
- java.net.*
- java.io.*
- > java.math.BigInteger
- > java.math.BigDecimal

Features & Demo

Features and behaviors of Groovy

- Coding convention (for less typing)
- ➤ Auto type conversion
- GString
- Working with collection
- ➤ Working with I/O
- Working with XML
- Working with JSON

Features & Demo

Interesting features of Groovy

- ➤ Java Integration
- ➤ Grape runtime dependency resolver
- > Dynamic method registration

Thank You!