

 免費電子書

學習

grails

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1: grails

GrailsRADJavaAPI ◦ JVMGroovyORMDSL◦

Grails

2.5.5	2.x	20161027
3.2.2	20161030	2016624
3.2.3	3.x	20161110

Examples

Grails

GrailsGRAILSJava JDKJRE◦ [JDK](#) ◦ JDK◦

Mac OSXLinuxCygwinSolarisFreeBSD

Grails[sdkman](#) ◦ [sdkman](#)Grails

```
sdk install grails [version]
```

◦ version [grails](#)◦ [sdkman](#)[sdkman](#) ◦

Linux

```
GRAILS_HOME=$HOME/bin/grails/current  
# abbreviating it using "... " for brevity  
PATH=$GRAILS_HOME/bin:$JAVA_HOME/bin: ... :$PATH
```

Windows

1. [Oracle](#)Java JDKWindows◦ ◦
2. “ ” Grails◦
3. Grails◦
4. 2JAVA_HOMEGRAILS_HOME Windows 10**
JAVA_HOME
C\ Programs \ Java \ jdk1.8.0_31

GRAILS_HOME

c:\grails\grails-3.2.4

5. Windows PATHJAVA_HOMEGRAILS_HOME。 4

; C:\Java\jdk1.8.0_31\BIN; C\ Grails\Grails-3.2.4; C\ Grails\Grails-3.2.4\BIN

5. GRAILS -VERSION。

```
| Grails Version: 3.2.4
| Groovy Version: 2.4.6
| JVM Version: 1.8.0_65
```

Grailsgrails create-app。 myappGrails

```
grails create-app fancy-app
```

```
cd fancy-app
```

```
grails run-app
// in order to run the app on a different port, e.g. 8888, use this instead
grails run-app -port 8888
// in order to run the app with a secure communication
grails run-app -https
```

Grailscreate- *src / test / groovy。。

test-app

```
grails test-app
```

Grails - -。 grails。。

Grails。

```
grails create-domain-class org.fleetmanager.Car
```

car.groovy

```
package org.fleetmanager

class Car {
    String    manufacturer
    String    model
    String    color
    Integer   year
    Date      acquisitionDate
    Boolean   isElectric
}
```

Grails

```
grails generate-all org.fleetmanager.Car
```

◦

grails <https://riptutorial.com/zh-TW/grails/topic/1435/grails>

2: REST

GrailsRESTful API REST。 grails.rest.Resource。

Examples

grailsREST API

```
import grails.rest.*

@Resource(uri='/books')
class Book {

    String title

    static constraints = {
        title blank:false
    }
}
```

URIXMLJSONREST。 RESTful URLBookController。

BootStrap.groovy

```
def init = { servletContext ->
    new Book(title:"The Stand").save()
    new Book(title:"The Shining").save()
}
```

URL <http://localhost:8080/books/1>

```
<?xml version="1.0" encoding="UTF-8"?>
<book id="1">
  <title>The Stand</title>
</book>
```

URL <http://localhost:8080/books/1.json> JSON

```
{"id":1,"title":"The Stand"}
```

JSONXMLformats

```
import grails.rest.*

@Resource(uri='/books', formats=['json', 'xml'])
class Book {
    ...
}
```

REST

UrlMappings.groovyURLuriUrlMappings.groovy

```
"/books" (resources:"book")
```

API

```
"/books" (resources:"book") {  
    "/publisher" (controller:"publisher", method:"GET")  
}
```

URI /books/1/publisher.

HTTPSGrails Server

SSL。 HttpsHttp。 grails。

```
grails run-app -https
```

REST <https://riptutorial.com/zh-TW/grails/topic/8944/rest>

3:

	ServletContext
applicationContext	Spring ApplicationContext
	flash
grailsApplication	GrailsApplication
	writer
PARAMS	params
	HttpServletRequest
	HttpServletResponse
	HttpSession
WebRequest	GrailsWebRequest

Examples

GSP<% %> scriptletGroovy

```
<html>
  <body>
    <% out << "Hello GSP!" %>
  </body>
</html>
```

<%= %>JSP

```
<html>
  <body>
    <%= "Hello GSP!" %>
  </body>
</html>
```

GSPJSP

```
<html>
  <body>
    <%-- This is my comment --%>
    <%= "Hello GSP!" %>
  </body>
</html>
```

GSPGSP <%= %>◦

GSPJSP ELGroovy GString \${expr}

```
<html>
  <body>
    Hello ${params.name}
  </body>
</html>
```

JSP EL \${...}Groovy◦

Groovy◦ ◦ \$ {}\$◦ GStringStringtoString◦

GSP

gspif-else◦

<G>

```
<g:if test="${session.role == 'admin'}">
  <!-- show administrative functions -->
</g:if>
<g:else>
  <!-- show basic functions -->
</g:else>
```

<G>

```
<g:each in="${[1,2,3]}" var="num">
  <p>Number ${num}</p>
</g:each>
```

```
<g:form name="myForm" url="[controller:'book',action:'list']">...</g:form>
```

```
<g:textField name="myField" value="${myValue}" />
```

```
<g:radio name="myGroup" value="1"/>
```

- <http://docs.grails.org/latest/guide/theWebLayer.html#tags>

<https://riptutorial.com/zh-TW/grails/topic/4531/>

4:

Examples

Grails 3.x jarservletTomcatUndertow。

build.gradle

```
// Remove or comment out the war plugin:  
// apply plugin:"war"  
  
// Enable the executable jar:  
springBoot {  
    executable = true  
}  
  
// Optional: Customize the jar properties:  
// https://docs.gradle.org/current/dsl/org.gradle.api.tasks.bundling.Jar.html  
jar {  
    archiveName('myapp.jar')  
}
```

./gradlew assemble

jar

```
$ head build/libs/myapp.jar  
#!/bin/bash  
#  
#  
# . _____ _  
# /\ \ / ___ ' _ _ _ _ ( _ ) _ _ _ _ \ \ \ \ \  
# ( ( ) \ ___ | ' _ | ' _ | | ' _ \ / _ ` | \ \ \ \  
# \ \ / ___ | | _ | | | | | | | ( _ | | ) ) ) )  
# ' | ___ | . _ | _ | | _ | | _ \ , | / / / /  
# =====|_|=====|___/=/_/_/_/  
# :: Spring Boot Startup Script ::  
#
```

```
$ ./build/libs/myapp.jar  
Grails application running at http://localhost:8080 in environment: production
```

init

```
$ ln -s /opt/myapp/myapp.jar /etc/init.d/myapp  
$ service myapp [start|stop|status|restart]
```

spring-boot [http //docs.spring.io/spring-boot/docs/current/reference/html/deployment-install.html](http://docs.spring.io/spring-boot/docs/current/reference/html/deployment-install.html)

GrailsWebservletTomcat“war”。

```
cd to_project_directory
```

1.

```
grails war
```

2.

```
grails clean
```

```
grails clean && grails war
```

war。

```
grails [environment] war
```

```
[environment]dev prodtest ◦
```

war。

<https://riptutorial.com/zh-TW/grails/topic/3701/>

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