

 免费电子书

学习

grails

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#grails

.....	1
1: grails	2
.....	2
.....	2
Examples.....	2
Grails.....	2
.....	3
.....	3
.....	3
2: REST	5
.....	5
Examples.....	5
grailsREST API.....	5
REST.....	5
HTTPSGrails Server.....	6
3:	7
.....	7
Examples.....	7
.....	7
.....	8
GSP.....	8
4:	9
Examples.....	9
.....	9
.....	9
.....	11

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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

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-CN/grails/topic/1435/grails](https://riptutorial.com/zh-CN/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-CN/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-CN/grails/topic/4531/>

1.

```
grails war
```

2.

```
grails clean
```

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

war。

```
grails [environment] war
```

[environment]dev prodtest 。

war。

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

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