

Gradle入门

apply

使用的插件等

```
apply plugin: 'java'
apply plugin: 'war'
```

dependencies

依赖jar

类型：compile、testCompile

```
dependencies {
    testCompile "junit:junit:${junitVersion}"
    compile "org.hibernate:hibernate-validator:${hibernateValidatorVersion}"
    compile group: 'com.google.code.guice', name: 'guice', version: '1.0'
    compile "org.glassfish.web:javax.el:2.2.4"
    compile "com.alibaba:fastjson:1.2.24"
    compile "commons-lang:commons-lang:2.6"
    compile "org.apache.commons:commons-collections4:4.1"
    //declaring arbitrary files as dependencies
    compile files('hibernate.jar', 'libs/spring.jar')
    //putting all jars from 'libs' onto compile classpath
    compile fileTree('libs')
    compile('org.hibernate:hibernate:3.1') {
        //in case of versions conflict '3.1' version of hibernate wins:
        force = true
        //excluding a particular transitive dependency:
        exclude module: 'cglib' //by artifact name
        exclude group: 'org.jmock' //by group
        exclude group: 'org.unwanted', module: 'iAmBuggy' //by both name and
group
        //disabling all transitive dependencies of this dependency
        transitive = false
    }
}
```

Task

```
//闭包
def createDir = {
    path ->
        File file = new File(path)
        if (!file.exists()) {
            file.mkdirs()
        }
}

//会在other中出现这个Task任务
task createDirTask() {
    def paths = ['src/main/java', 'src/main/resources', 'src/test/java',
'src/test/resources']
    doFirst {
        paths.forEach(createDir)
    }
}
```

configure

处理一些project的公用设置

```
configure(allprojects) { project ->
    //ext是创建其他的配置，以供之后使用
    ext.junitVerison = "4.12"
    ext.hibernateValidatorVersion = "5.1.3.Final"
}
```

allprojects

当前下的所有项目公用配置

```
allprojects {
    ...
}
```

subprojects

子项目的公用配置

```
subprojects {  
    ...  
}
```

repositories

仓库设置

```
repositories {  
    mavenLocal()//本地仓库  
    maven{url "http://121.41.17.205:18081/nexus/content/groups/public"}//私  
服  
    maven{url "http://121.41.17.205:18081/nexus/content/groups/public-  
snapshots"}  
    mavenCentral()//中央仓库  
}
```

gradle

projectsEvaluated

所有项目在完成配置之后执行系列任务

```
gradle.projectsEvaluated {  
    tasks.withType(JavaCompile) {  
        options.compilerArgs = [  
            "-Xlint:serial", "-Xlint:varargs", "-Xlint:cast", "-  
Xlint:classfile",  
            "-Xlint:dep-ann", "-Xlint:divzero", "-Xlint:empty", "-  
Xlint:finally",  
            "-Xlint:overrides", "-Xlint:path", "-Xlint:processing", "-  
Xlint:static",  
            "-Xlint:try", "-Xlint:fallthrough", "-Xlint:rawtypes", "-  
Xlint:deprecation",  
            "-Xlint:unchecked", "-Xlint:-options", "-Werror"  
        ]  
    }  
}
```

参考资料

[Groovy学习](#)

[Gradle与Groovy](#)