# JEECG 微云开发平台

Maven 版本开发环境入门手册

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## 开发工具准备:

1. IDE

Eclipse Java EE IDE for Web Developers.

Version: Helios Release

Build id: 20100617-1415

- 2. JDK1.7
- 3. Apache-maven-3.1.1
- 4. MySql

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## 一、Maven本地环境搭建

### 1. 下载Maven

在官方网站http://maven.apache.org/download.cgi

下载最新版本 apache-maven-3.1.1-bin.zip

2. 解压安装

解压 apache-maven-3.1.1-bin.zip 至 D:\apache-maven-3.1.1 目录,目录结构为如下

名称
\mu bin
퉬 boot
퉬 conf
퉬 lib
NOTICE
README.txt

#### 3. 配置MAVEN环境变量

【1】选择我的电脑->鼠标右键->属性->高级环境设置->环境变量-系统变量框下新增变量名 M2\_HOME,值为 D:\apache-maven-3.1.1

	编辑系统变量	×
变量名(N):	M2_HOME	
变量值(V):	D:\apache-maven-3.1.1	
	确定取消	
变量值(V):	D:\apache-maven-3.1.1 确定 取消	

【2】编辑变量名 Path,在变量值中前面追加 "%M2\_HOME%\bin"

编辑用户变量	<b>—</b>
变 <b>重</b> 名(M):	Path
変量值 (⊻):	%M2_HOME%\bin;%JAVA_HOME%\bin;C:\Pr
	确定 取消

4.测试Maven安装成功

在命令行中输入: mvn -v 显示 mvn 版本信息为 Apache Maven 3.1.1 则为安装成功。

#### C:\User<u>s\qinfeng>mu</u>n -v

Apache Maven 3.1.1 (0728685237757ffbf44136acec0402957f723d9a; 2013-09-17 23:22: 2+0800) Maven home: D:\Program Files\apache-maven-3.1.1\bin\.. Java version: 1.7.0\_07, vendor: Oracle Corporation Java home: C:\Program Files\Java\jdk1.7.0\_07\jre Default locale: zh\_CN, platform encoding: GBK OS name: "windows 7", version: "6.1", arch: "amd64", family: "windows"

#### 5. 修改Maven默认配置

找到配置文件 D:\apache-maven-3.1.1\conf\settings.xml。

- 【1】修改本地仓库位置
- 【2】配置阿里云镜像.

<mirrors></mirrors>
<mirror></mirror>
<id>nexus-aliyun</id>
<mirrorof>*,!jeecg,!jeecg-snapshots</mirrorof>
<name>Nexus aliyun</name>
<pre><url>http://maven.aliyun.com/nexus/content/groups/public</url></pre>

<se< th=""><th><pre>ttings xmlns="http://maven.apache.org/SETTINGS/1.0.0"     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"     xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.0.0 http://maven.apache.org/SETTINGS/1.0.0 http://maven.apache.org/SETTINGS/</pre></th><th>en.apache.org/xsd/settings-1.0.0.xsd"&gt;</th></se<>	<pre>ttings xmlns="http://maven.apache.org/SETTINGS/1.0.0"     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"     xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.0.0 http://maven.apache.org/SETTINGS/1.0.0 http://maven.apache.org/SETTINGS/</pre>	en.apache.org/xsd/settings-1.0.0.xsd">
	<localrepository>D:\Maven\repo\m2</localrepository>	━━▶ 本地仓库位置
	<pre><mirrors></mirrors></pre>	● 配置阿里云镜像

提示:因为国外镜像慢,所以采用国内阿里云镜像配置,需要排除 jeecg 私服配置。

OK,先来体会一下 maven,在 cmd 中敲并回车执行:mvn help:system 这时候 maven 就会从远程仓库开始下载一大堆的东西,没事,让它下载着,迟早都要下载的。

## 二、Eclipse安装Maven插件

1. Eclipse 插件安装

eclipse选择Help --> Install New Software输入地址 http://download.jboss.org/jbosstools/updates/m2eclipse-wtp/

把选项勾上,然后等待它下载安装,完成之后重启 eclipse 即可

Work with:	m2eclipse-wtp updates - http://download.jboss.org/jbosstools/updates/m2ec				
		Find			
type filter	text				
Name		Version			
⊿ 🖌 💷 M2E	Maven Archiver Connector				
🗸 🖓	m2e connector for mavenarchiver pom properties	0.15.0.201212080009			
a 🖌 🕕 Mav	en Integration for Eclipse				
🖌 🖓	m2e - Maven Integration for Eclipse	1.4.0.20130601-0317			
🖌 🖌	m2e - slf4j over logback logging (Optional)	1.4.0.20130601-0317			
a 🖌 🕕 Mav	en Integration for WTP				
🗸 🖗	Maven Integration for WTP	0.15.3.20120830-0850			

#### 2. Eclipse Maven配置

【1】Window->preferences 找到 maven 下的 Installations,添加 maven 的安装目录

Internet Tools	Select the installation used to launch Maven:	
b Java Enterprise Projec		
→ JPA	✓ External D:\apache-maven-3.1.1 (3.1.1)	<u>A</u> dd
⊿ Maven4MyEclipse	Embedded (3.0.4/1.4.0.20130531-2315)	
Archetypes		<u>E</u> dit
Discovery		Persoure
Installations		Keniove
Java EE Integration		
Lifecycle Mappings		
Templates		
User Interface		
User Settings	Nata Endadad wata is shown used for demondance and the but	
Warnings	doos not use clobal settings when it is used to launch Mayon. To learn more	
b Mobile Tools	visit the Mayen web page	
Profiler	visit the <u>intaven</u> web page.	
Project Libraries		
Project Migration	Global settings from installation directory (open file):	
> Report Design	Dianacha mayon 2.1.1) conflicattings yml	Province
Servers	D: (apache-maven-5.1.1 (com/setungs.xm)	browse

【2】 找到 User Settings 选择 maven 安装目录下的 settings.xml , 单击 Update Settings

Internet Tools	$\sim$	
<pre>&gt; Java Enterprise Projec &gt; JPA</pre>		User <u>S</u> ettings ( <u>open file</u> ):
Maven4MyEclipse		D:\apache-maven-3.1.1\conf\settings.xml
Archetypes Discovery Installations		Update Settings
Java EE Integration Lifecycle Mappings	L.	Local Repository (From merged user and global settings):
Templates		D:/Maven/repo/m2/ Reindex
User Interface User Settings Warnings		
· M-1-21- T1-		I contraction of the second seco

【3】修改 maven 默认选项,很重要

#### 参考截图配置

选项说明: Offine : 选中标识不从仓库下载依赖,一般情况不选择。



OK, eclipse 配置已经完成了。

# 三、Eclipse导入jeecg项目

## 1. 采用maven方式导入项目

点击 File->import->Existing Maven Project,选择 jeecg 导入。



2.修改项目编译JDK

选择 jeecg 项目,右键属性,修改 Java Build Path 如下



## 3. Maven依赖自动下载

刚导入项目依赖会报错,通过选中项目右键选择 RunAS,再选择 Maven install,控制台会下载项目所依赖的包。



#### 4. 运行maven测试

工程上右键:

Run As	•	1 Run on Server	Alt+Shift+X, R
Debug As	• 🖭	2 Java Applet	Alt+Shift+X, A
Profile As	• 🗊	3 Java Application	Alt+Shift+X, J
Validate	Ju	4 JUnit Test	Alt+Shift+X, T
Team	+ m2	5 Maven build	Alt+Shift+X, M
Compare With	• m2	6 Maven build	
Restore from Local History	m2	7 Maven clean	
Maven	m2	8 Maven generate-source	es
Java EE Tools	▶ m2	9 Maven install	
Configure	► m2	Maven test	
Properties Alt+	Enter	Run Configurations	

控制台没有错误出现就 ok 啦,下一步介绍 maven 项目的启动。

## 四、Eclipse 启动JEECG

1. 创建mysql数据库

```
采用 UTF-8 编码,创建数据库名:jeecg。
手工执行脚本\docs\db\jeecg-{版本号}-mysql.sql,初始化数据库
注意: jeecg 支持 mysql、SqlServer、oracle等常见数据库,如果切换其他数据库,需要自行
修改 pom 驱动依赖引用,将对应注释放开即可。
```

🥃 新建数据库	<b>—</b>
常规	
数据库名:	jeecg
字符集:	utf8 UTF-8 Unicode 👻
排序规则:	utf8_general_ci 👻
	确定 取消

#### 2.修改数据库配置

[1].修改 jeecg 平台数据库配置

配置文件: src/main/resources/dbconfig.properties

```
17 #MySQL
17 #MySQL
18 hibernate.dialect=org.hibernate.dialect.MySQLDialect
19 validationQuery.sqlserver=SELECT 1
20 jdbc.url.jeecg=jdbc:mysql://localhost:3306/jeecg?useUnicode=true&characterEncoding=UTF-8
21 jdbc.username.jeecg=root
22 jdbc.password.jeecg=root
23 jdbc.dbType=mysql
24
[2].修改代码生成器数据库配置
```

配置文件:src/main/resources/jeecg/jeecg\_database.properties

注意: database\_name 必须配置正确,否则代码生成器功能无法使用。

```
1 #mysql
2 diver_name=com.mysql.jdbc.Driver
3 url=jdbc:mysql://localhost:3306/jeecg?useUnicode=true&characterEncoding=UTF-8
4 username=root
5 password=root
6 database_name=jeecg
7
```

### 3. 采用Maven方式启动项目

工程右键,运行 maven build,输入命令:tomcat:run

🔁 Easy Explore		L		
			and the second	
Run As	•		1 Run on Server	Alt+Shift+X, R
Debug As	+	2	2 Java Applet	Alt+Shift+X, A
Profile As	•	J	3 Java Application	Alt+Shift+X, J
Validate		Ju	4 JUnit Test	Alt+Shift+X, T
Team	•	m2	5 Maven build	Alt+Shift+X, M
Compare With	+	m2	6 Maven build	
Restore from Local Hist	ory	m2	7 Maven clean	
Maven	•	2	8 Mayen generate-cources	

配置运行服务的环境变量:

Image: Second	Name: je Main Base dir \${works Goals: Profiles:	tomcat:ru	ework-run Refresh jeecg-framework in Output Skij Value	Environment) Co Browse Workspace Bate Snapshots Tests Non-re	emmon) e) Bro	owse File System	Variables Select Add
<sub>プ</sub> JUnit Plug-in Test							

4. 设置启动JDK内存参数,防止出现内存溢出情况

#### 参数命令:

-DMAVEN\_OPTS=-Xms1024M -Xmx1024M -XX:PermSize=256M -XX:MaxPermSize=256M

			20
3 🗈 🗙 📄 🎲 🕶	Name: jeecg-framework-os		
ype filter text	📄 Main 🛋 JRE 🔗 Refre	sh 🚾 Environment 🔲 <u>C</u> ommon 🚫 JRebel	)
HTTP Preview	Runtime JRE:		
J2EE Preview	Workspace <u>d</u> efault JRE (	jdk1.7.0_07)	
Java Applet	© Execution environment:		Environments
P3CodeGenerateUtil			
P3OneToMainUtil	Alternate JRE:	Jdk1.7.0_07	Installed JREs
🖇 JavaScript	VM arguments:		
J <mark>u</mark> JUnit <sub>≡</sub>	-DMAVEN OPTS=-Xms102	4M -Xmx1024M -XX:PermSize=256M -	
💏 JUnit Plug-in Test	XX:MaxPermSize=256M		
m2 Maven Build			
m2 Maven Build m2 install package			-
m2 Maven Build m2 install package m2 jeecg-bpm-framework			-
m2 Maven Build m2 install package m2 jeecg-bpm-framework m2 jeecg-framework-os			 Variable <u>s</u>
m2 Maven Build m2 install package m2 jeecg-bpm-framework m2 jeecg-framework-os m2 jeecg-license-core m2 jeecg-n3-timetack-wet			 Variable <u>s</u>
n2 Maven Build m2 install package m2 jeecg-bpm-framework m2 jeecg-framework-os m2 jeecg-framework-os m2 jeecg-p3-timetask-web m2 jeecg-p3-web	Java executable:		 Variable <u>s</u>
<ul> <li>Maven Build</li> <li>m2 install package</li> <li>m2 jeecg-bpm-framework</li> <li>m2 jeecg-framework-os</li> <li>m2 jeecg-framework-os</li> <li>m2 jeecg-p3-timetask-wet</li> <li>m2 jeecg-p3-web</li> <li>m2 jeevx-api-deploy</li> </ul>	Java executable:		 Variable <u>s</u>
<ul> <li>Maven Build</li> <li>n2 install package</li> <li>n2 jeecg-bpm-framework</li> <li>n2 jeecg-framework-os</li> <li>n2 jeecg-framework-os</li> <li>n2 jeecg-p3-timetask-wet</li> <li>n2 jeecg-p3-web</li> <li>n2 jeewx-api-deploy</li> <li>n2 jeewx-api-davadoc</li> </ul>	Java executable:		Variable <u>s</u>
<ul> <li>Maven Build</li> <li>1 install package</li> <li>1 iecg-bpm-framework</li> <li>1 jeecg-bpm-framework</li> <li>1 jeecg-framework-os</li> <li>1 jeecg-framework-os</li> <li>1 jeecg-p3-timetask-wet</li> <li>1 jeecg-p3-timetask-wet</li> <li>1 jeecg-p3-web</li> <li>1 jeecg-api-deploy</li> <li>1 jeewx-api-javadoc</li> <li>1 jeewx-api-javadoc</li> <li>1 jeewx-framework</li> </ul>	Java executable: © Dgfault (javaw) © Alternate [javaw		Variable <u>s</u>
<ul> <li>Maven Build</li> <li>2 install package</li> <li>2 jeecg-bpm-framework</li> <li>m2 jeecg-bpm-framework-os</li> <li>m2 jeecg-framework-core</li> <li>m2 jeecg-framework-set</li> <li>m2 jeecg-p3-web</li> <li>m2 jeecg-p3-web</li> <li>m2 jeewx-api-jevadoc</li> <li>m2 jeewx-framework</li> <li>m2 jeewx-framework</li> <li>m2 jeewx-framework-war</li> </ul>	Java executable:		v Variable <u>s</u>
m2 Maven Build m2 install package m2 jeecg-bpm-framework m2 jeecg-framework-os m2 jeecg-framework-os m2 jeecg-p3-timetask-wel m2 jeecg-p3-web m2 jeevx-rapi-deploy m2 jeevx-rapi-deploy m2 jeevx-rapi-deploy m2 jeevx-framework-war m2 jeevx-framework-war m2 jeevx-liantong	Java executable: © Dgfault (javaw) © Alternate [javaw		 Variable <u>s</u>
m2 Maven Build m2 install package m2 jeecg-bpm-framework m2 jeecg-framework-os m2 jeecg-framework-os m2 jeecg-p3-timetask-weł m2 jeewz-api-deploy m2 jeewz-api-deploy m2 jeewz-framework-war m2 jeewz-framework-war m2 jeewz-framework-war m2 jeewz-framework-war	Java executable:		Variable <u>5</u>

5.访问项目

点击 Run 按钮即可以启动应用。

4
🖹 Problems 🕼 History 🔗 Search 💷 Console 🛛 🔌 Expressions) 🖏 Progress 🍹 Merge Results 🖆 Synchronize) 💿 🛢 🗰 📷 💭
jeecg-framework-os [Maven Build] C:\Program Files\Java\jdk1.7.0_07\bin\javaw.exe (2017-3-29 上午10:53:55)
[2017-03-29 10:54:11] [INFO] [org.quartz.simpl.RAMJobStore:141] RAMJobStore initialized.
[2017-03-29 10:54:11] [INFO] [org.quartz.impl.StdSchedulerFactory:1224] Quartz scheduler 'schedulerFactory' initialized from
[2017-03-29 10:54:11] [INFO] [org.quartz.impl.StdSchedulerFactory:1228] Quartz scheduler version: 1.6.2
[2017-03-29 10:54:11] [INFO] [org.quartz.core.QuartzScheduler:2094] JobFactory set to: org.springframework.scheduling.quartz
[2017-03-29 10:54:15] [INFO] [org.jeecgframework.core.timer.DataBaseSchedulerFactoryBean:648] Starting Quartz Scheduler now
[20]7-03-29 10:54:15] [INFO] [org.quartz.core.QuartzScheduler:461] Scheduler schedulerFactory_\$_NON_CLUSTERED started.
二月29, 2017 10:54:15 上午 org.apache.catalina.core.ApplicationContext log
INFO: Initializing Spring FrameworkServlet 'springMvc'
二月29, 2017 10:54:16 上午 org.apache.coyote.http11.Http11Protocol init
INFO: Initializing Coyote HTTP/1.1 on http=8080
二月29, 2017 10:54:16 上午 org.apache.coyote.http11.Http11Protocol start
INFO: Starting Coyote HTTP/1.1 on http=8080

上面日志表示启动成功,通过浏览器访问项目:<u>http://localhost:8080/jeecg</u>。

▶ 用户登录		
ceshi	۵	
*****		
请输入验证码	q z e 6	
记住用户名	역 登录	

默认登录账号密码: admin/123456

# 五、Tomcat部署jeecg

1. Eclipse发布War包

工程右键:

	Run As		1	1 Java Applet	Alt+Shift+X, A
	Debug As			2 Java Application	Alt+Shift+X, J
	Profile As	•	Ju	3 JUnit Test	Alt+Shift+X, T
	Team		m2	4 Maven assembly:assembly	
	Compare With		m2	5 Maven build	Alt+Shift+X, M
	Replace With	•	m2	6 Maven build	
	Restore from Local History		m2	7 Maven clean	
0	JRebel	•	m2	8 Maven generate-sources	
	Source		m2	9 Maven install	
	Configure	•	m2	Maven package	
	Properties		m2 m2	Maven source;jar Maven test	

编译通过后, target 目录下回生成 jeecg.war 包:

⊿ 🔛 jeecg-framework
⊳ 避 src/main/java
B Brc/main/resources
▷ 🛋 JRE System Library [jdk1.7.0_51]
🕨 🔜 Maven Dependencies
👂 勳 Apache Tomcat v6.0 [Apache Tomo
👂 🔂 src
🔺 🗁 target
⊳ 🔁 jeecg
Description > Description
👂 🗁 surefire
📄 jeecg.war
LICENSE.txt
м pom.xml
README.md
b 🔁 Servers

2. Tomcat中启动

拷贝 jeecg.war 到 tomcat 的 webapps 下面,然后运行 tomcat 即可。

## 六、常见问题

JEECG 刚接触会遇到很多问题,官方针对常见问题整理形成帖子。

### 请查看链接:

http://www.jeecg.org/forum.php?mod=viewthread&tid=1830&extra=page%3D1

#### 相关学习视频

Maven 入门视频	链接: http://pan.baidu.com/s/1dDg9ulb 密码: 1f5k
Jeecg 入门视频	http://www.jeecg.org/forum.php?mod=viewthread&tid=197&extra=page%3D1