

内容提要

- JDK安装与环境变量配置
- VCS工具--安装git及git ui工具
- Build Tools-MAVEN
- IDE-安装eclipse
- 基于Maven的多模块示例

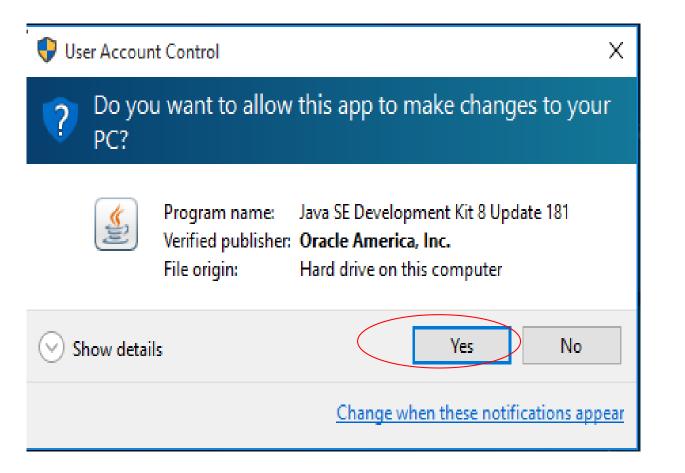
内容提要

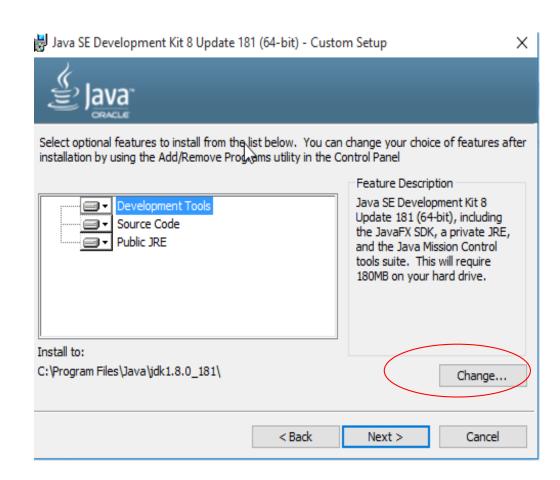
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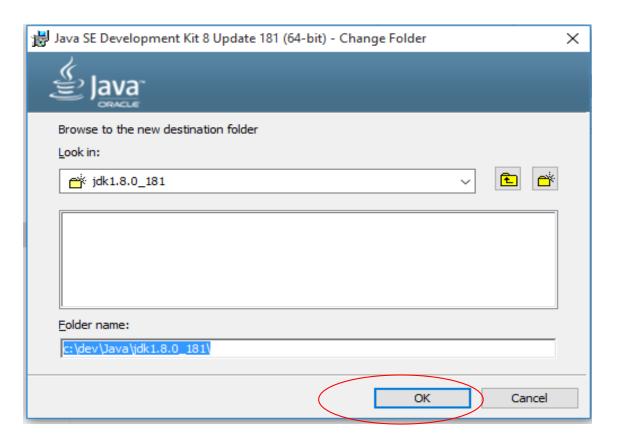
根据操作系统不同选用对应的版本的安装文件

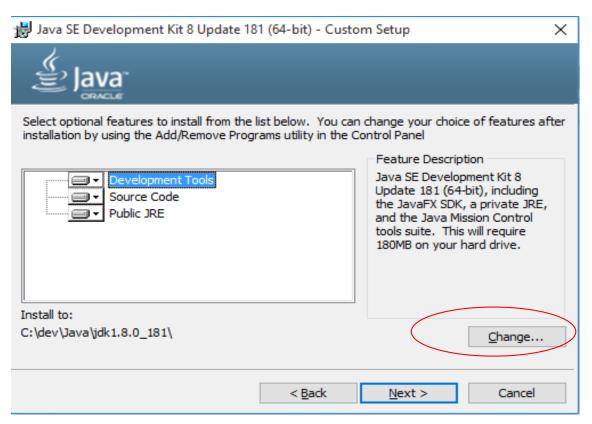
Windows 10 32位:jdk-8u181-windows-i586.exe

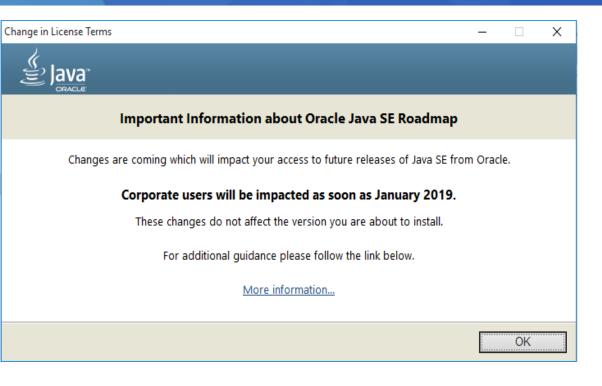
Windows 10 64位:jdk-8u181-windows-x64.exe

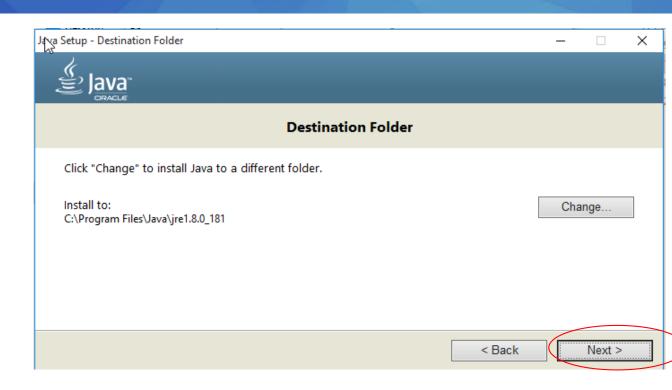


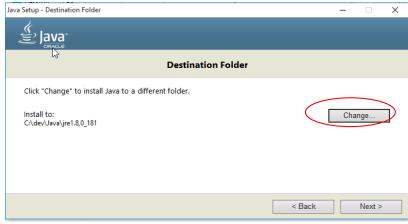






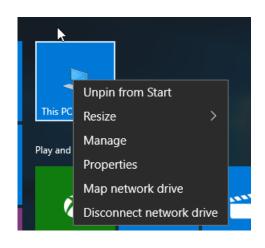


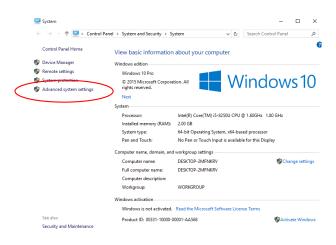


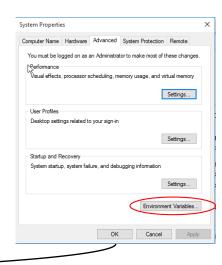


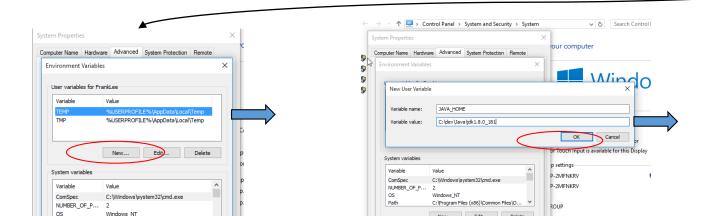
配置环境变量

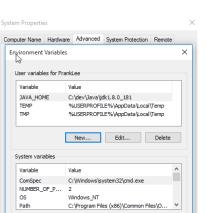
步骤: "此电脑" -> 属性 -> 高级系统设置->环境变量





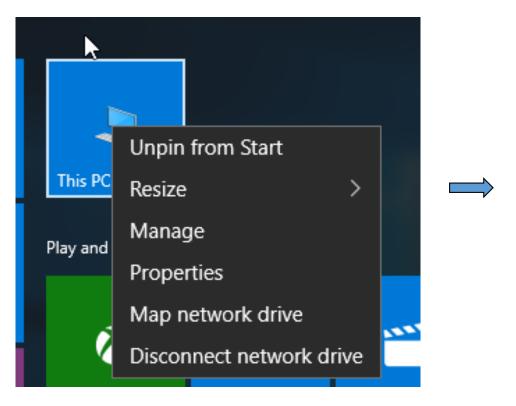


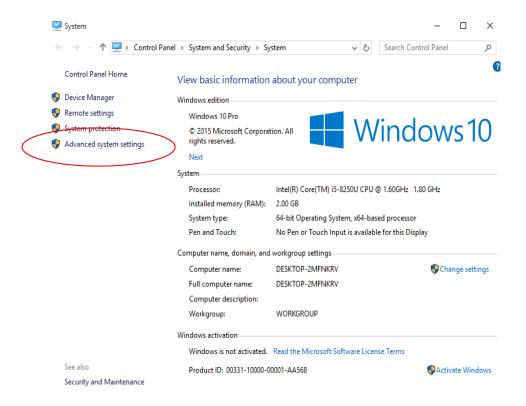




配置环境变量

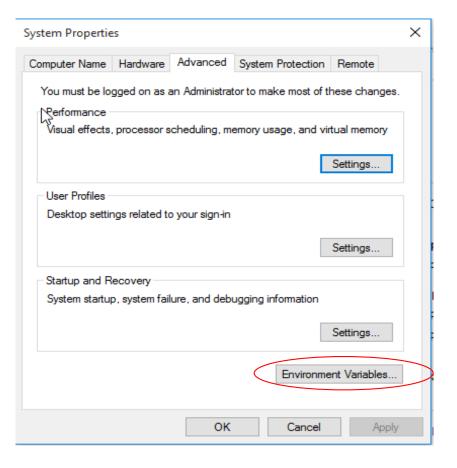
步骤: "此电脑" -> 属性 -> 高级系统设置->环境变量

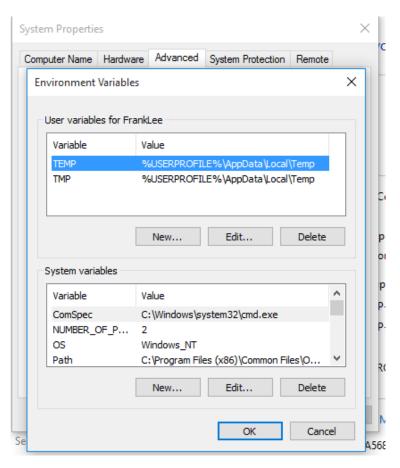




配置环境变量

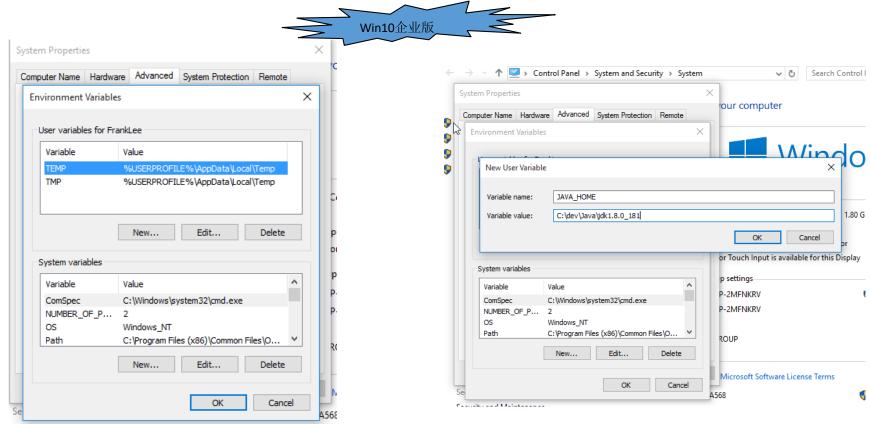
步骤: "此电脑" -> 属性 -> 高级系统设置->环境变量

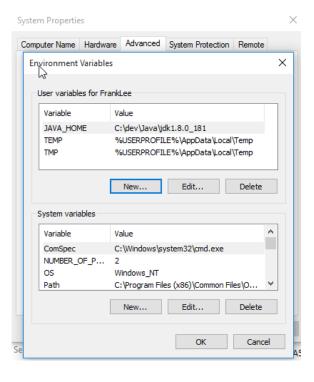




配置环境变量

步骤: "新建"->录入"变量名"和"变量值"->确定

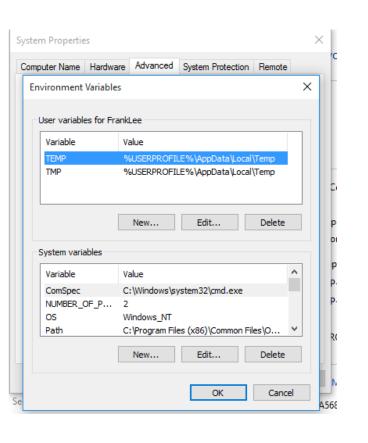




配置环境变量

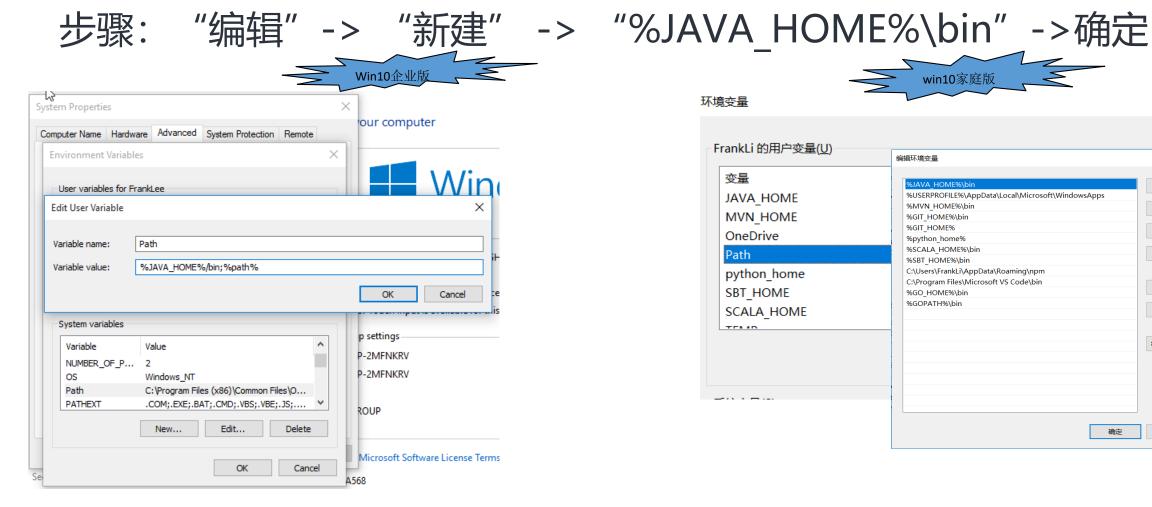
步骤: "新建"->录入"变量名"和"变量值"->确定

win10家庭版



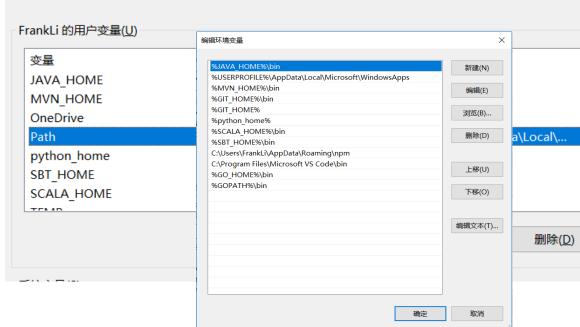
新建用户变量		×
变量名(N): 变量值(V):	JAVA_HOME	
浏览目录(D)	浏览文件(F)	确定 取消

添加Path变量值



环境变量





环境变量验证

步骤:运行 "cmd" -> "java -version"和 "javac -version"

```
C:\Users\FrankLee>java -version

| continued Prompt | continued Prompt
```

注:由于安装的版本不同,版本号会有所不同。

JAVA DEMO

```
public class HelloWord {
   public static void main(String[] args) {
      System.out.println("Hello Word!");
   }
}
```

```
C:\workspace\one>javac HelloWord.java
C:\workspace\one>java HelloWord
Hello Word!
C:\workspace\one>
```

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VCS工具-安装git工具

根据操作系统不同选用对应的版本的安装文件

Windows 10 32位:

Git-2.19.0-32-bit.exe

TortoiseGit-2.7.0.0-32bit.msi

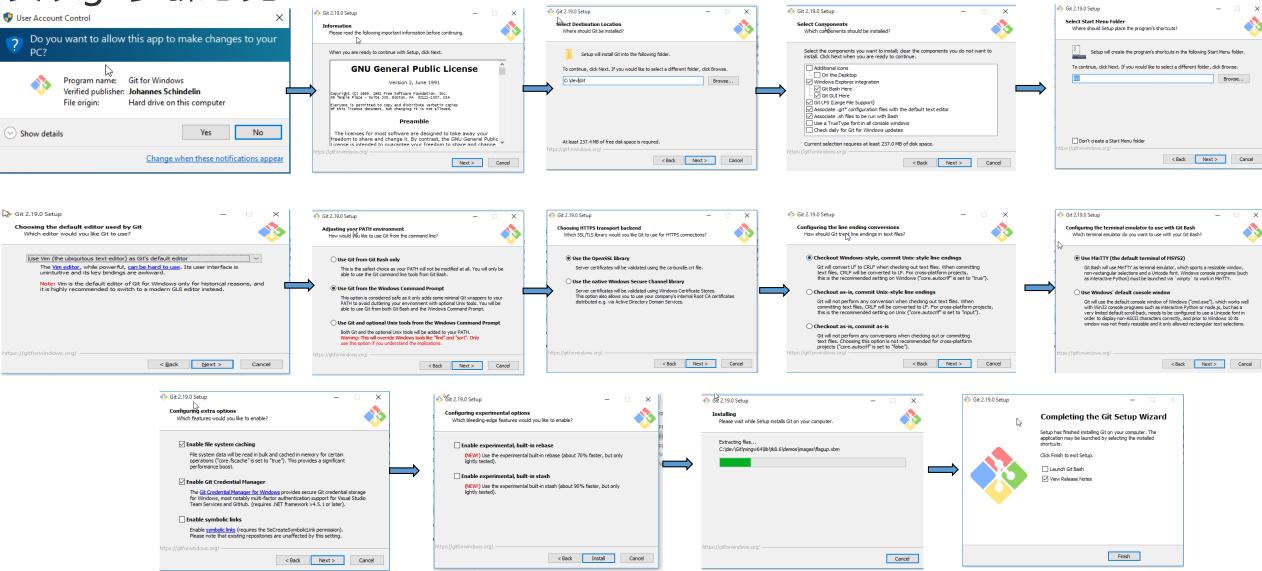
Windows 10 64位:

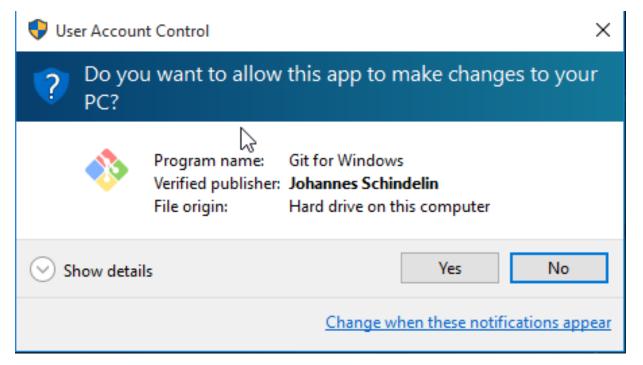
Git-2.19.0-64-bit.exe

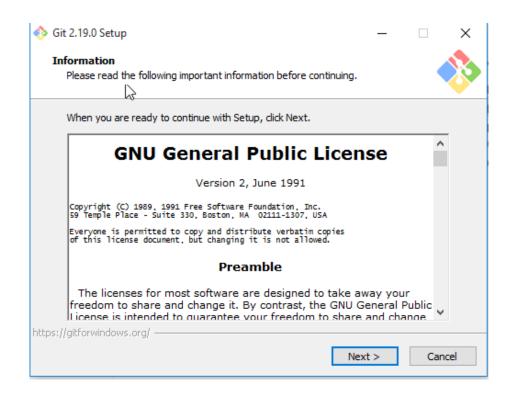
TortoiseGit-2.7.0.0-64bit.msi

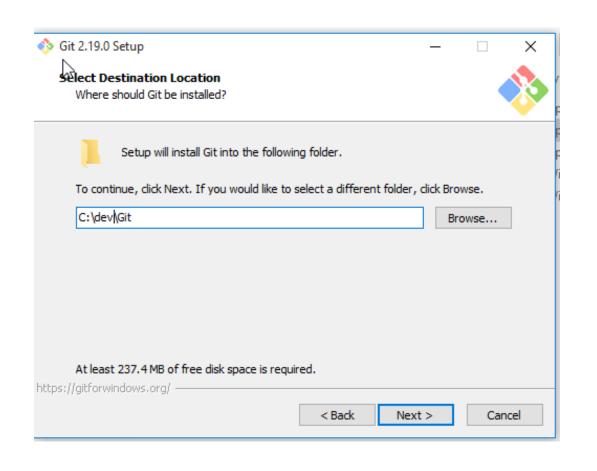
注:由于会有部分快捷操作嵌入右键菜单和文件状态显示,安装完需要重启操作系统。

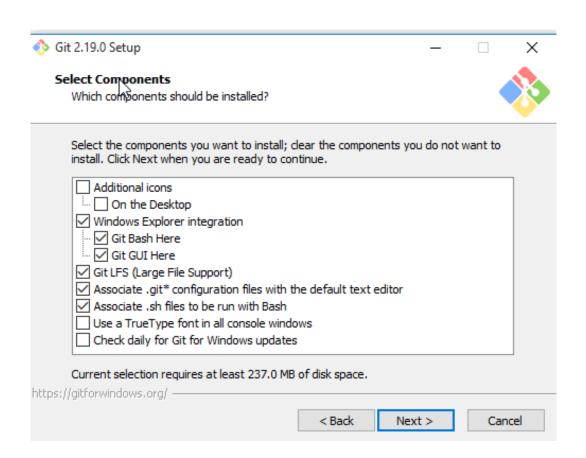
安装git步骤总览

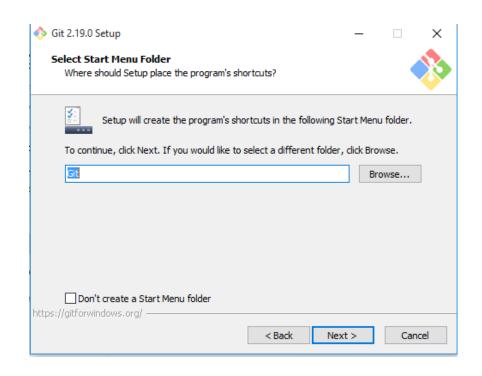


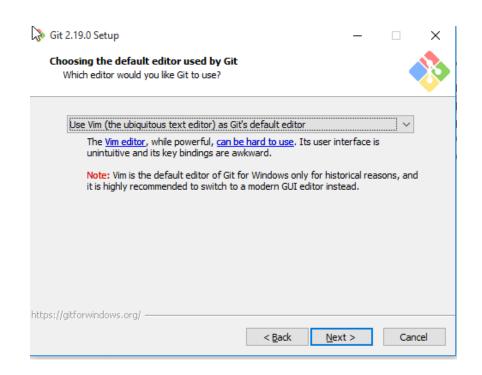


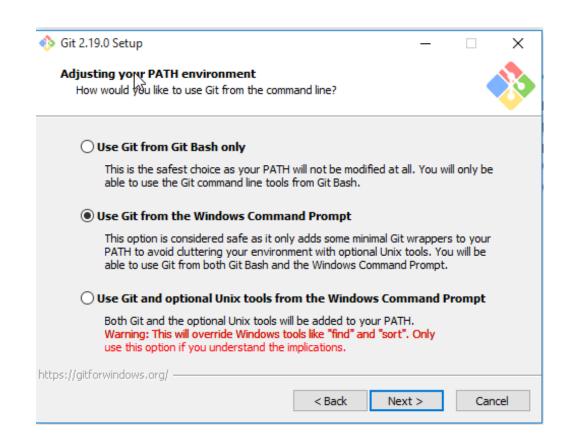


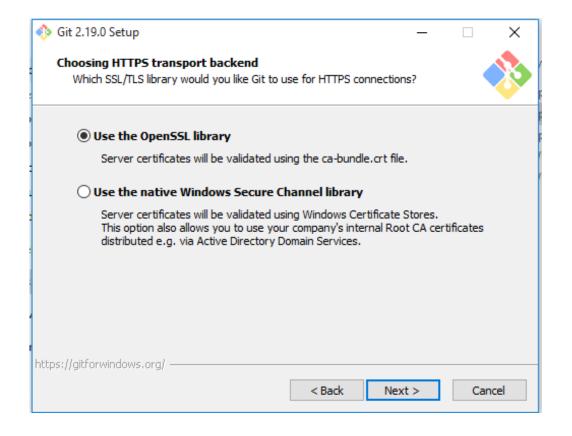




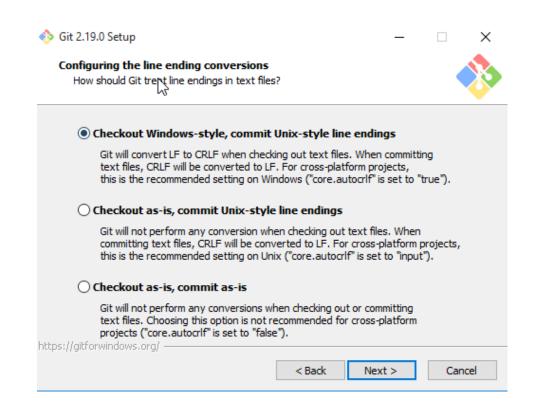


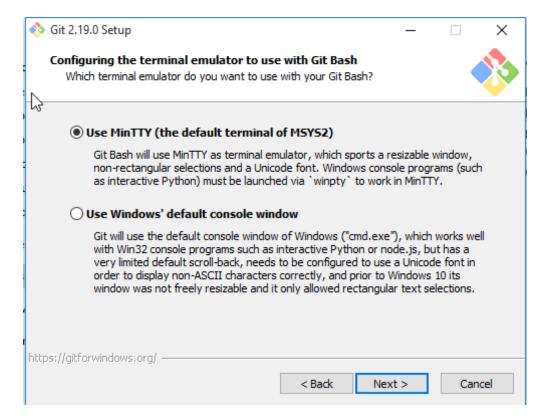




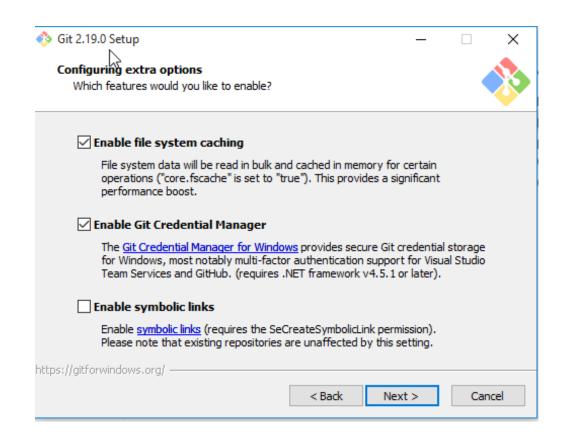


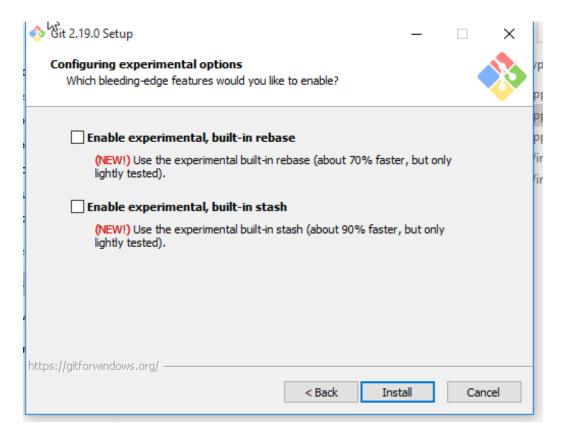
安装git



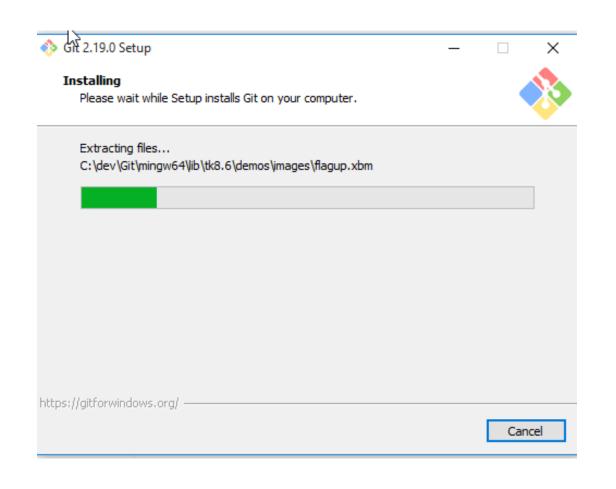


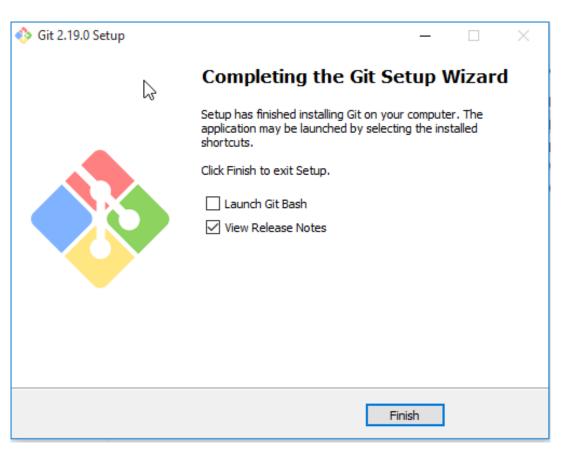
安装git



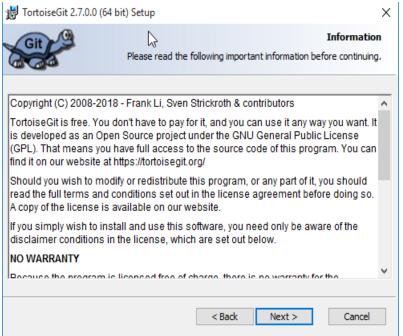


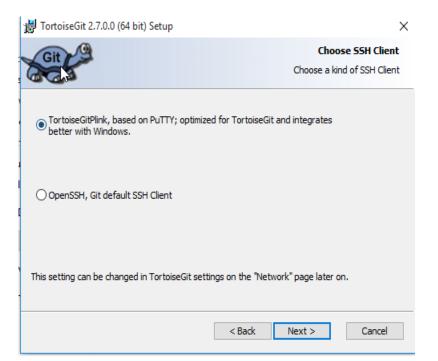
安装git

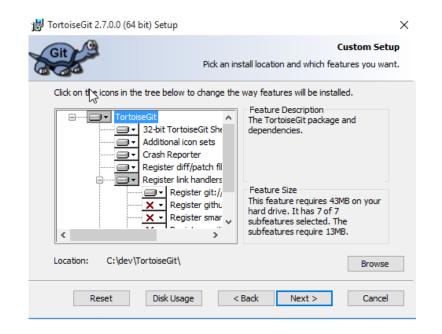


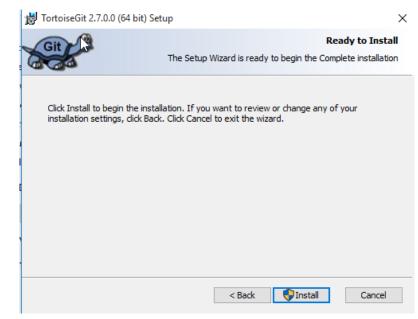




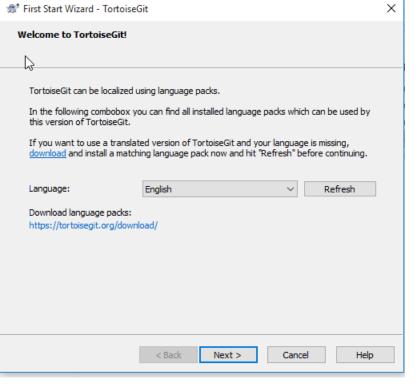


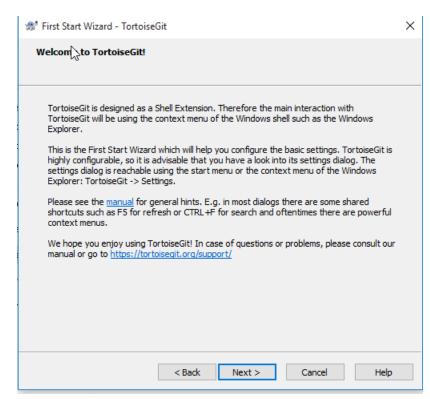


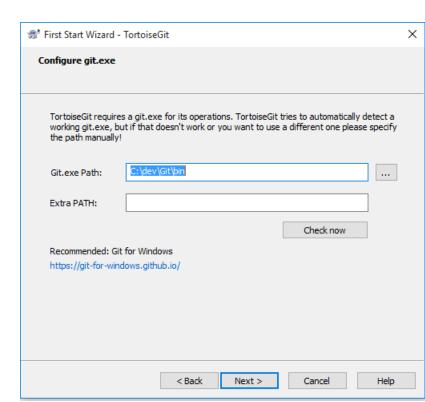


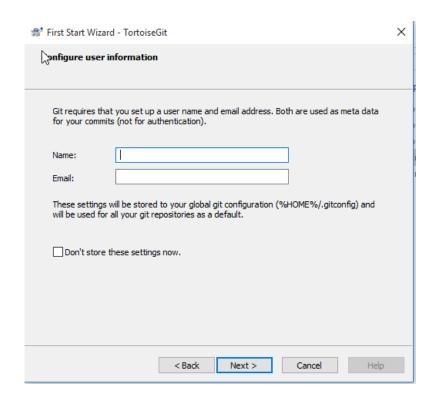


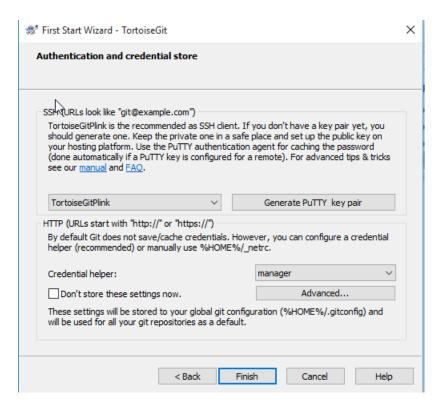








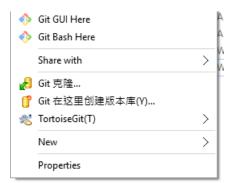




安装TortoiseGit中文语言包







GIT常用命令使用

```
配置用户信息:
git config --global user.name "John Doe"
```

git config --global user.email johndoe@ example.com

用htts方式访问 git config --global http.sslVerify false

查看配置信息 git config --list

GIT常用命令使用

git init

在本地新建一个repo,进入一个项目目录,执行git init,会初始化一个repo,并在当前文件夹下创建一个.git文件夹.

git status

查询repo的状态. git status -s: -s表示short, -s的输出标记会有两列,第一列是对staging区域而言,第二列是对working目录而言.

git add

在提交之前,Git有一个暂存区(staging area),可以放入新添加的文件或者加入新的改动. commit时提交的改动是上一次加入到staging area中的改动,而不是我们 disk上的改动.

git commit

提交已经被add进来的改动.

git commit -m "the commit message" git commit -a 会先把所有已经track的文件的改动add进来,然后提交(有点像svn的一次提交,不用先暂存). 对于没有track的文件,还是需要git add一下. git commit --amend 增补提交. 会使用与当前提交节点相同的父节点进行一次新的提交,旧的提交将会被取消.

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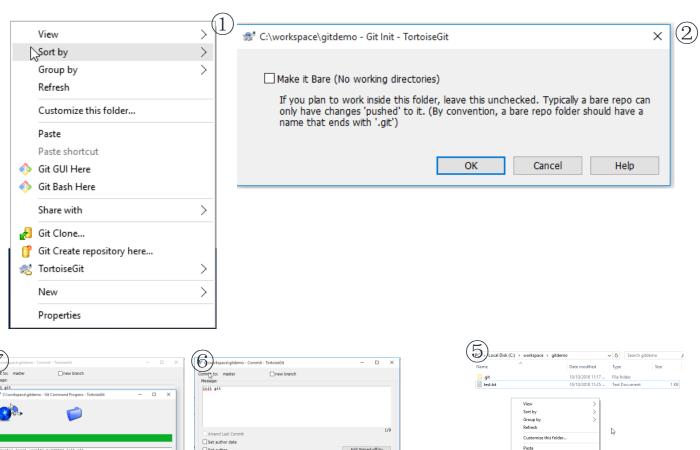
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TortoiseGit使用



linknow

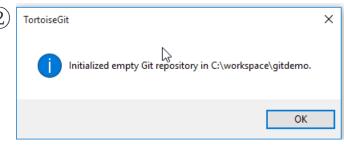
Do not autoselect submodules

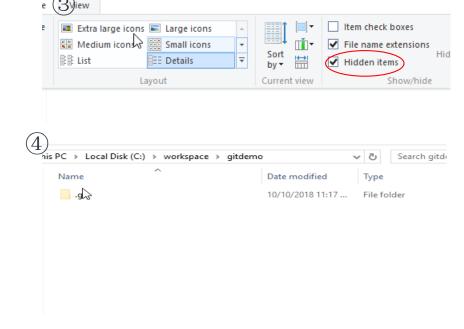
Close Abort

1 files selected, 1 files total

Git GUI Here
Sit Bash Here

Git Commit -> "master"





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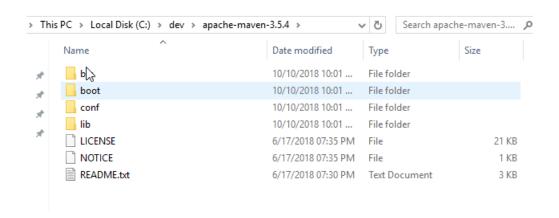
Build Tools-MAVEN

Maven使用

- ①解压apache-maven-3.5.4-bin.zip 到c:\dev
- ②配置环境变量
- ③修改setting.xml
- ④测试配置是否成功
- ⑤创建java demo

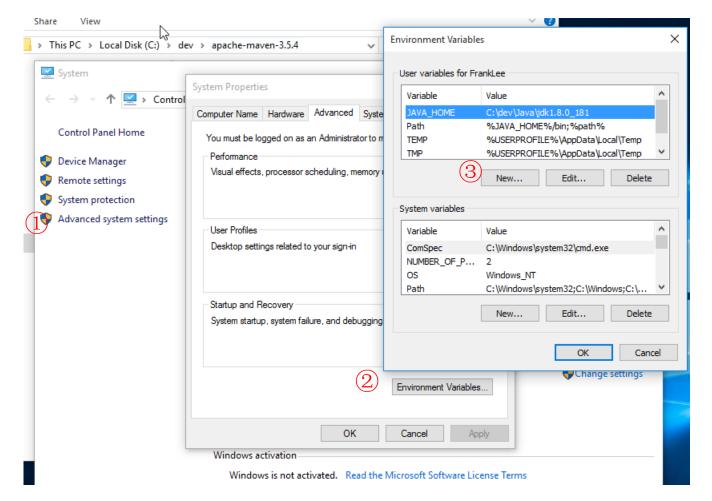
Maven配置安装

①解压apache-maven-3.5.4-bin.zip 到c:\dev



TortoiseGit使用

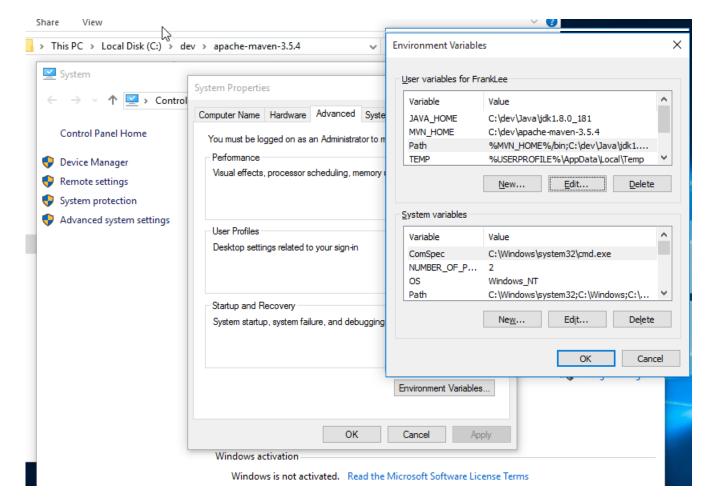
②配置环境变量



	, , , , , , , , , , , , , , , , , , , ,	none reports report	
New User Variable			×
Variable name:	MVN_HOME		
Variable value:	C:\dev\apache-maven-3.5.4		
		OK	Cancel
	Conspec C. (vvinde	ws pystemoz jana	EXE
Edit ser Variable			×
Variable name:	Path		
Variable value:	%MVN_HOME%/bin;%JAVA_HOME%/bin;%path%		
		OK	Cancel

Maven配置

②配置环境变量



Maven配置

③修改%MVN_HOME%\conf\settings.xml

Maven使用

④测试配置是否成功

```
C:\Users\FrankLee>cd /d c:\workspace

c:\workspace>mvn -version
Apache Maven 3.5.4 (1edded0938998edf8bf061f1ceb3cfdeccf443fe; 2018-06-18T02:33:14+08:00)
Maven home: C:\dev\apache-maven-3.5.4\bin\..
Java version: 1.8.0_181, vendor: Oracle Corporation, runtime: C:\dev\Java\jdk1.8.0_181\jre
Default locale: en_US, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"

c:\workspace>___
```

Maven使用

⑤创建java demo

命令格式:

mvn archetype:generate -DgroupId={project-packaging} -DartifactId={project-name} -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false

示例: mvn archetype:generate -DgroupId=com.shsnc.devops -DartifactId=mavendemo -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false

示例: mvn archetype:generate -DgroupId=com.shsnc.devops -DartifactId=mavendemo - DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false -DarchetypeCatalog=local

Maven使用

⑤创建java demo

```
Downloading from central: https://repo.maven.apache.org/maven2/asm/asm-tree/3.2/asm-tree-3.2.pom

Downloaded from central: https://repo.maven.apache.org/maven2/asm/asm-tree/3.2/asm-tree-3.2.pom (404 B at 562 B/s)

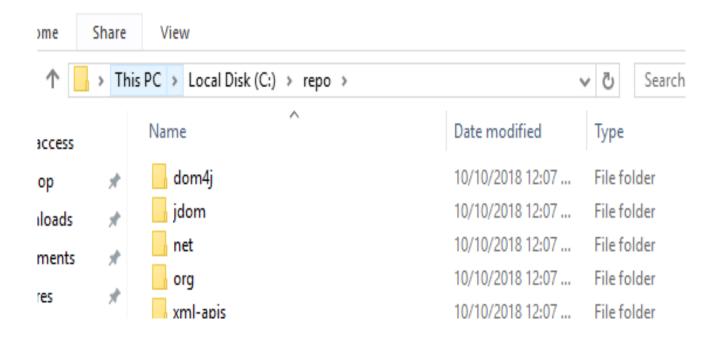
Downloading from central: https://repo.maven.apache.org/maven2/asm/asm-util/3.2/asm-util-3.2.pom

Downloaded from central: https://repo.maven.apache.org/maven2/asm/asm-util/3.2/asm-util-3.2.pom (409 B at 523 B/s)

Downloading from central: https://repo.maven.apache.org/maven2/asm/asm-analysis/3.2/asm-analysis-3.2.pom

Downloaded from central: https://repo.maven.apache.org/maven2/asm/asm-analysis/3.2/asm-analysis-3.2.pom (417 B at 468 B/s)

Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-interactivity-api/1.0-alpha-6/plexu
```



```
-mavendemo
    pom.xml
    -src
         -main
              iava
                       -shsnc
                           -devops
                                App.java
         -test
              java
                  -com
                       -shsnc
                            -devops
                                AppTest.java
```

Maven使用

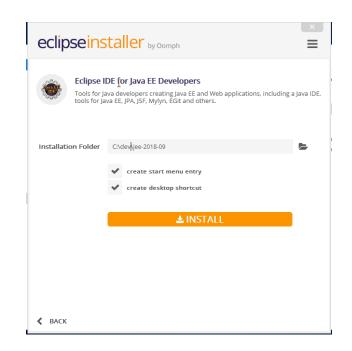
- ①解压apache-maven-3.5.4-bin.zip 到c:\dev
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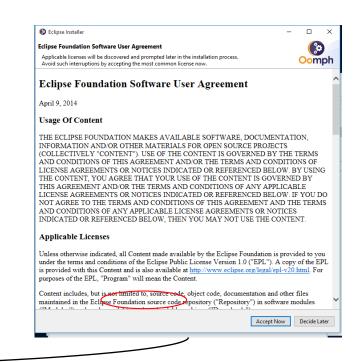
内容提要

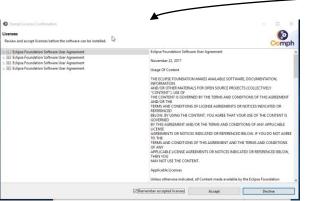
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安装Eclipse在线安装

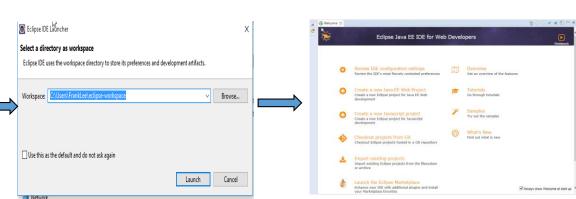












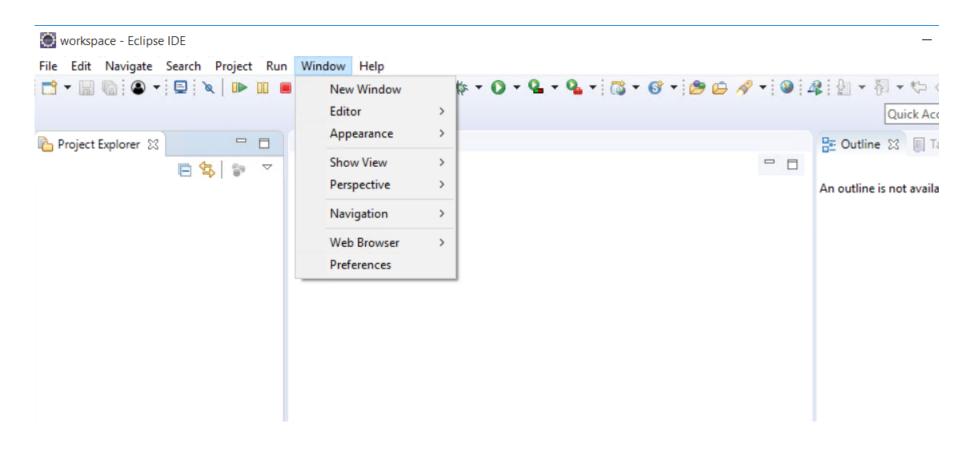
解压安装Eclipse (绿色)

以64位windows 10为例

解压 eclipse-jee-2018-09-win32-x86_64.zip

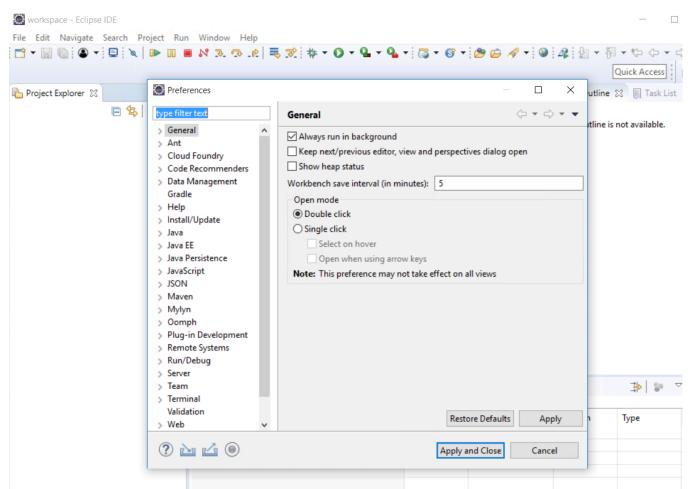
更新eclipse的maven配置

Window->Preferences



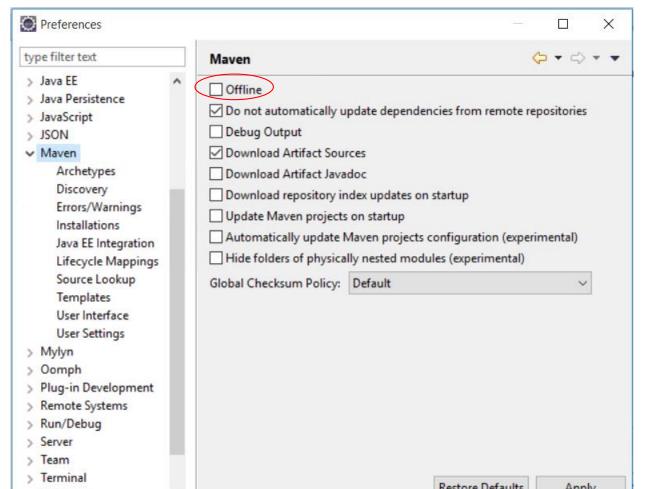
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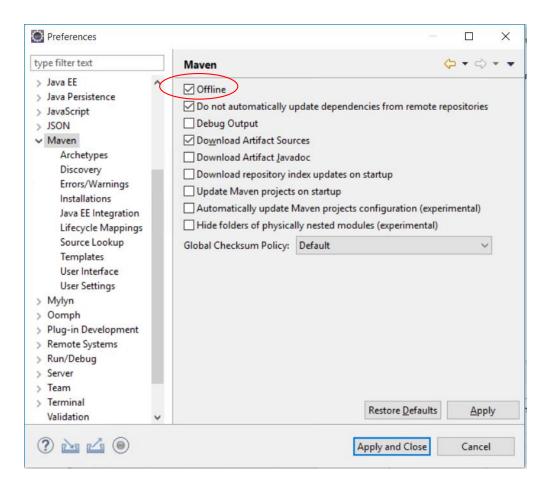
更新eclipse的maven配置

Window->Preferences->Maven



更新eclipse的maven配置

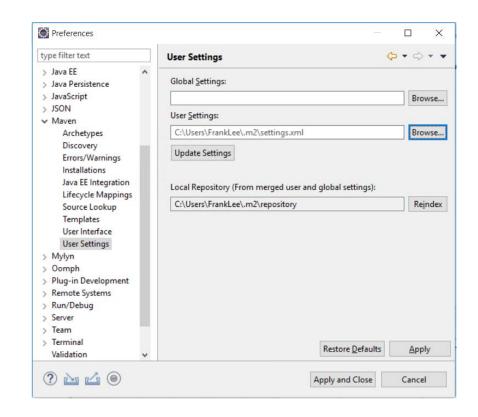
Window->Preferences->Maven 离线



更新eclipse的maven配置

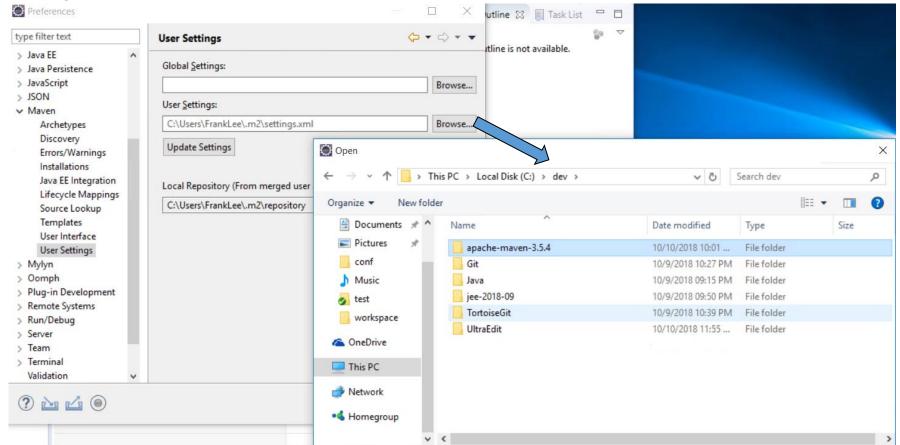
Window->Preferences->Maven->User Setting

设置本地的MAVEN



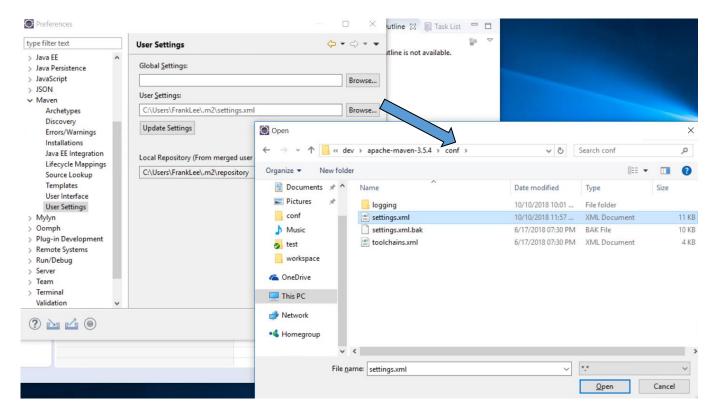
更新eclipse的maven配置

Window->Preferences->Maven->User Setting 设置本地的MAVEN



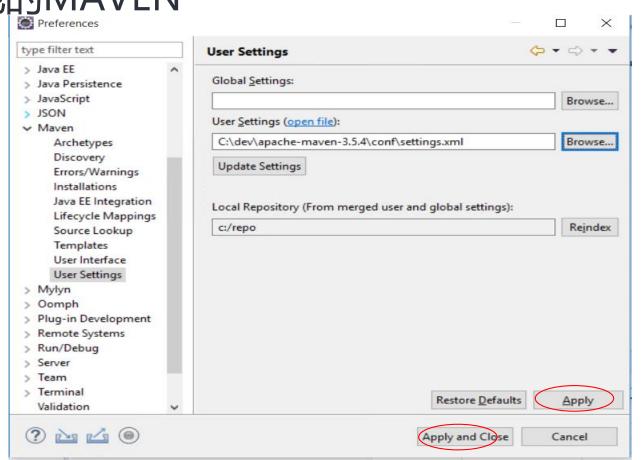
更新eclipse的maven配置

Window->Preferences->Maven->User Setting 设置本地的MAVEN



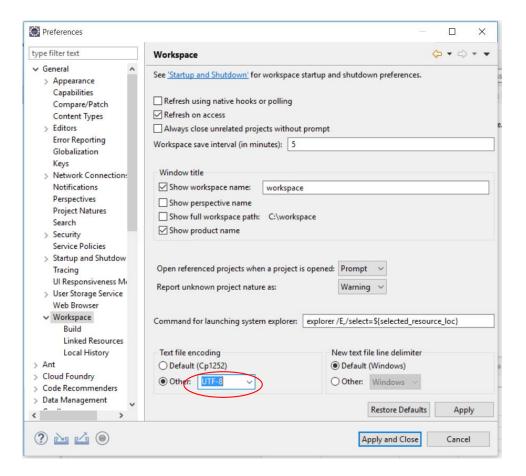
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更新eclipse的maven配置

Window->Preferences->General->Workspace



使用Eclipse



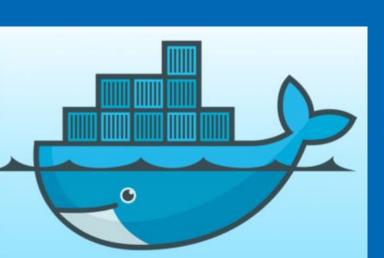




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