

前后端分离打包发布

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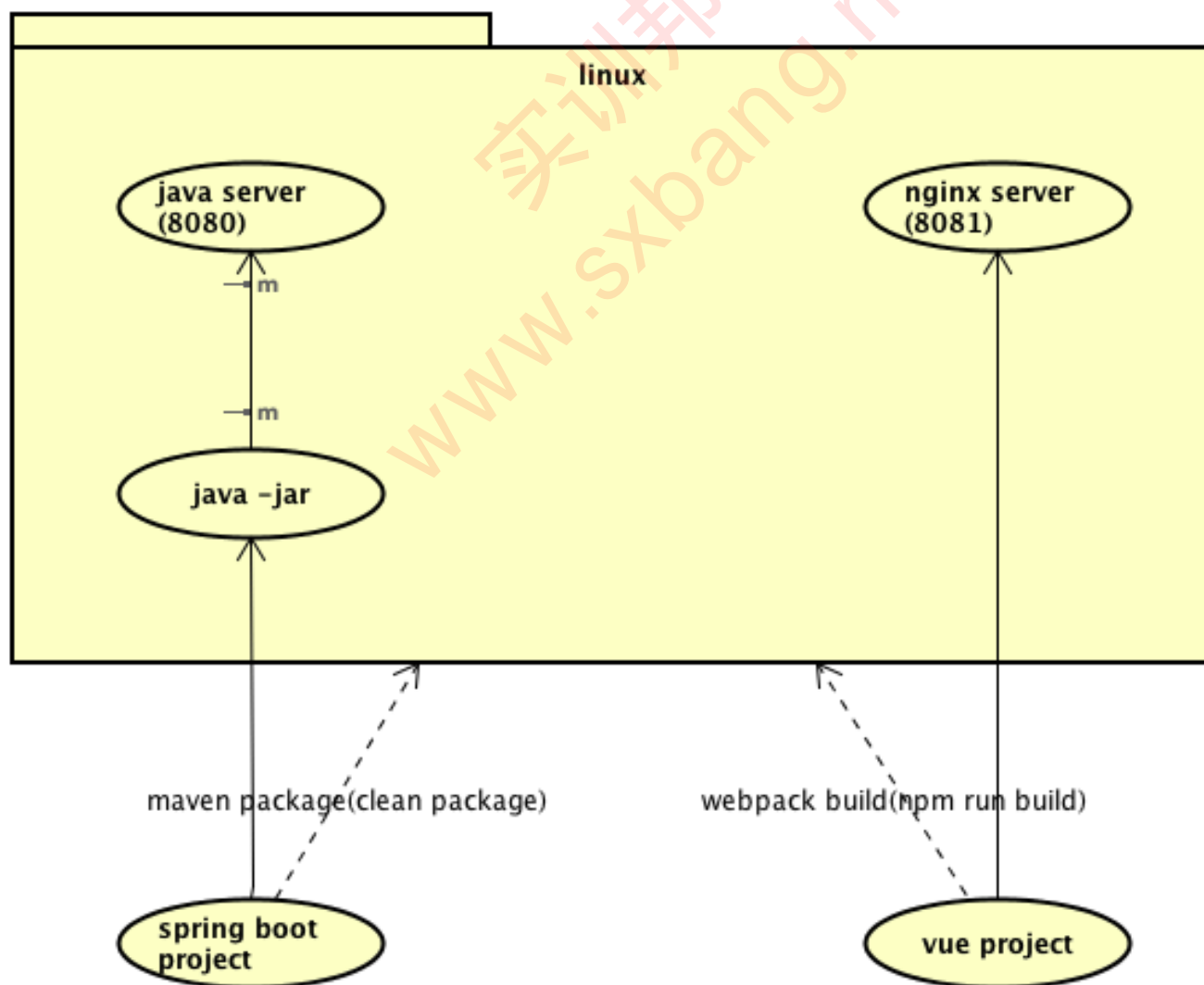
目标任务

- Spring Boot 后端打包发布
- 前端打包发布到 nginx

相关知识点

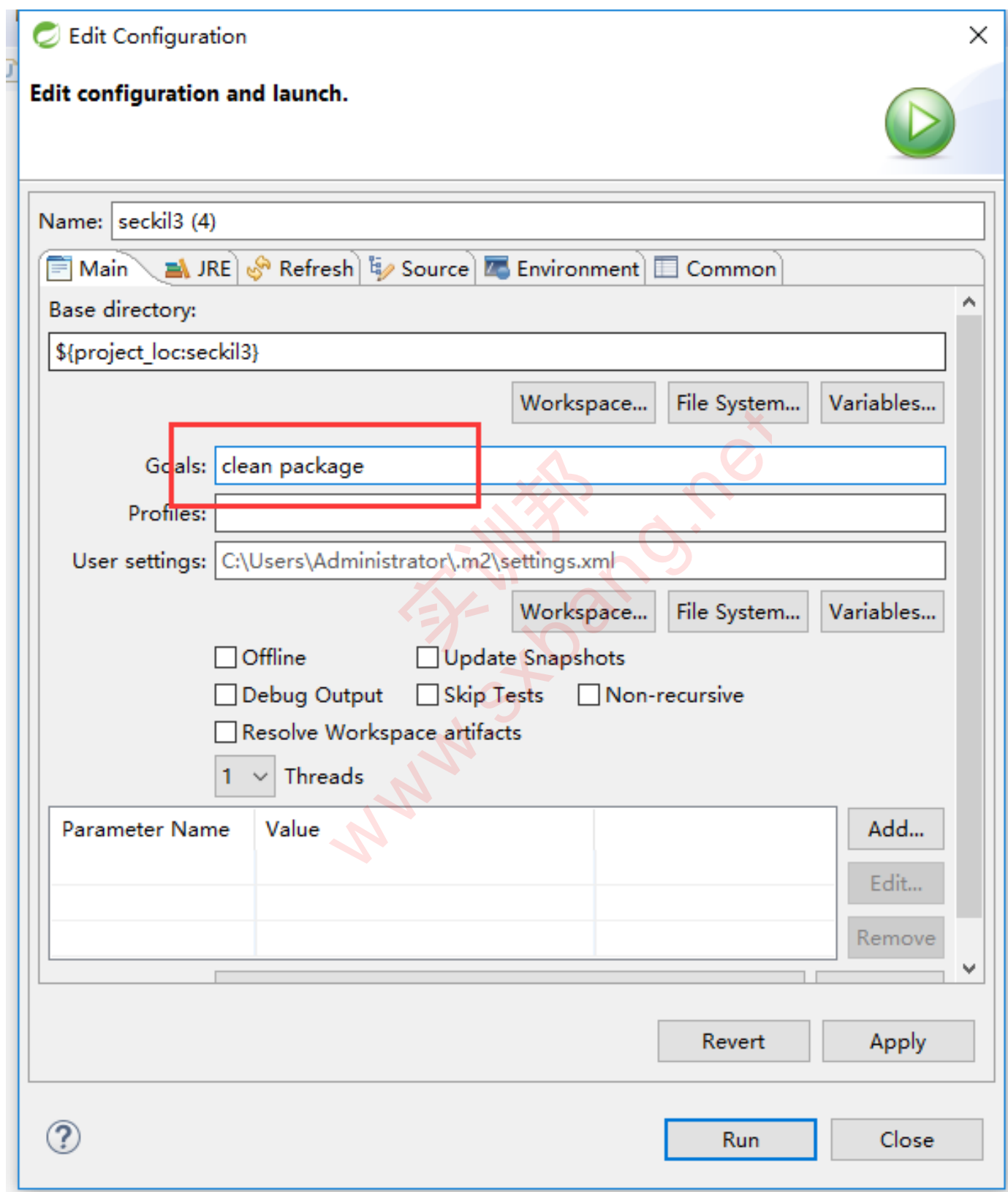
- maven 打包
- linux 以服务的形式发布 jar
- vue 打包
- nginx 配置发布

思路分析

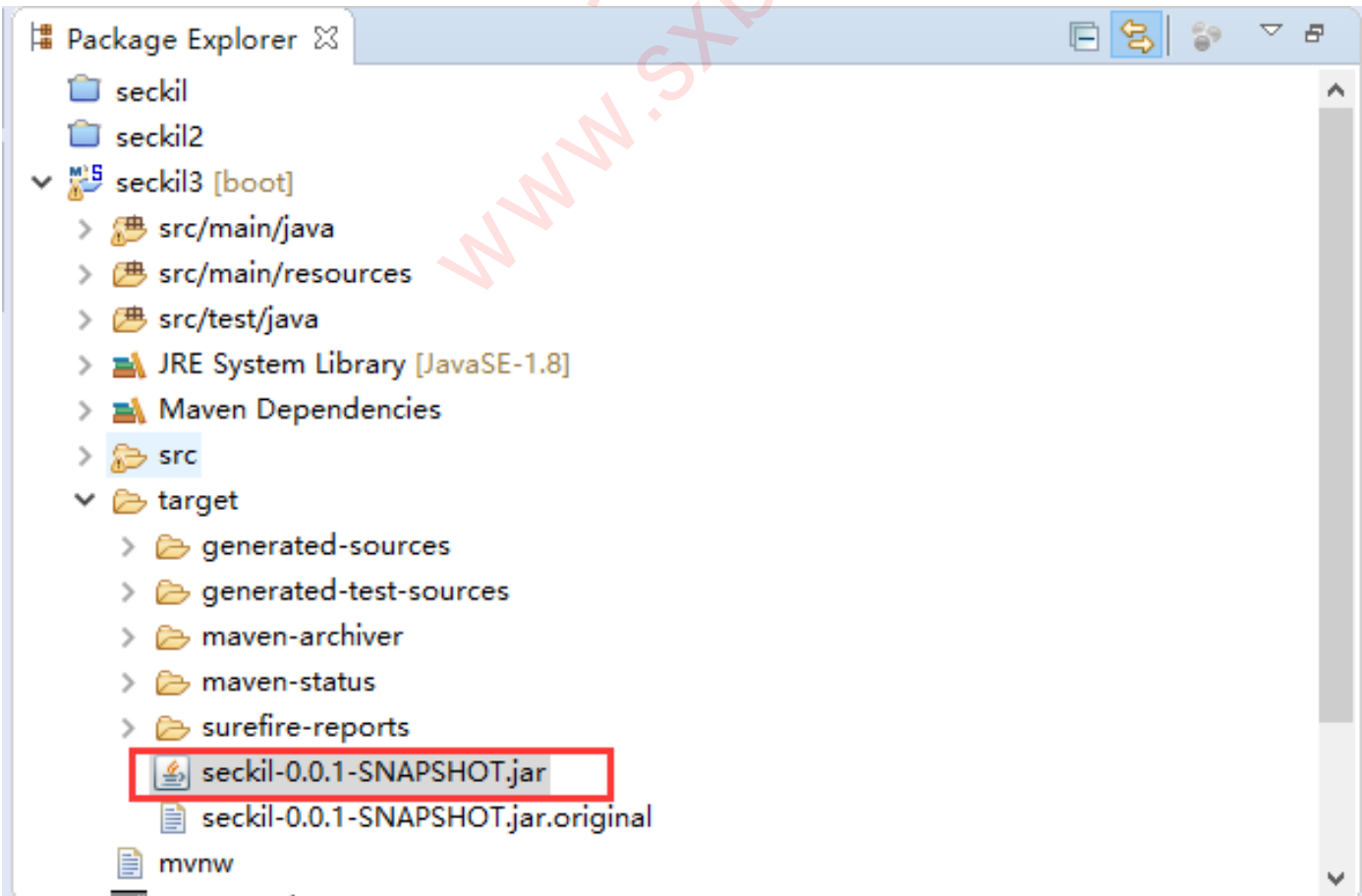


编码步骤

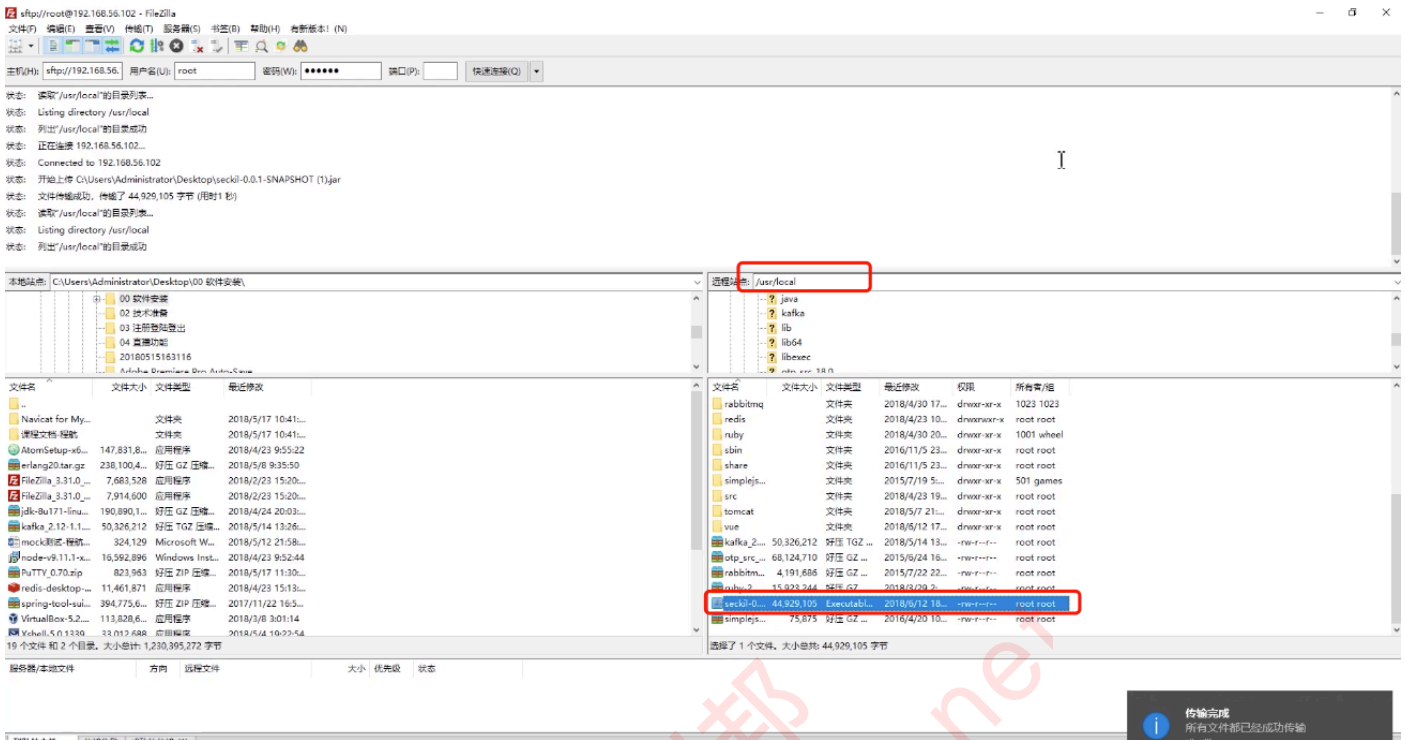
- 打包后端代码



```
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/eclipse/sisu/org.eclipse.sisu.inject/0.0.0.M5/org.eclipse.sisu.inject-0.0.0.M5.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/eclipse/sisu/org.eclipse.sisu.inject/0.0.0.M5/org.eclipse.sisu.inject-0.0.0.M5.jar (49 KB at 263.3 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-classworlds/2.5.1/plexus-classworlds-2.5.1.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-classworlds/2.5.1/plexus-classworlds-2.5.1.jar (49 KB at 263.3 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/3.1.1/maven-model-3.1.1.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/3.1.1/maven-model-3.1.1.jar (151 KB at 263.3 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/3.1.1/maven-plugin-api-3.1.1.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/3.1.1/maven-plugin-api-3.1.1.jar (44 KB at 85.1 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/maven-settings/3.1.1/maven-settings-3.1.1.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/maven-settings/3.1.1/maven-settings-3.1.1.jar (41 KB at 79.0 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-common-artifact-filters/1.4/maven-common-artifact-filters-1.4.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-common-artifact-filters/1.4/maven-common-artifact-filters-1.4.jar (41 KB at 79.0 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver/2.8.1/plexus-archiver-2.8.1.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver/2.8.1/plexus-archiver-2.8.1.jar (140 KB at 240.0 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-io/2.3.2/plexus-io-2.3.2.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-io/2.3.2/plexus-io-2.3.2.jar (73 KB at 135.3 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-shade-plugin/2.2/maven-shade-plugin-2.2.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-shade-plugin/2.2/maven-shade-plugin-2.2.jar (98 KB at 176.5 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/maven-compat/3.0/maven-compat-3.0.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/maven-compat/3.0/maven-compat-3.0.jar (279 KB at 440.9 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/wagon/wagon-provider-api/1.0-beta-6/wagon-provider-api-1.0-beta-6.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/wagon/wagon-provider-api/1.0-beta-6/wagon-provider-api-1.0-beta-6.jar (41 KB at 79.0 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/asm/asm/3.3.1/asm-3.3.1.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/asm/asm/3.3.1/asm-3.3.1.jar (43 KB at 81.5 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/asm/asm-commons/3.3.1/asm-commons-3.3.1.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/asm/asm-commons/3.3.1/asm-commons-3.3.1.jar (38 KB at 72.7 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/asm/asm-tree/3.3.1/asm-tree-3.3.1.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/asm/asm-tree/3.3.1/asm-tree-3.3.1.jar (22 KB at 41.3 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/jdom/jdom/1.1/jdom-1.1.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/jdom/jdom/1.1/jdom-1.1.jar (150 KB at 259.6 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-dependency-tree/2.1/maven-dependency-tree-2.1.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-dependency-tree/2.1/maven-dependency-tree-2.1.jar (12 KB at 22.8 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/jdependency/0.7/jdependency-0.7.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/jdependency/0.7/jdependency-0.7.jar (12 KB at 22.8 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/asm/asm-analysis/3.2/asm-analysis-3.2.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/asm/asm-analysis/3.2/asm-analysis-3.2.jar (18 KB at 33.8 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/asm/asm-util/3.2/asm-util-3.2.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/asm/asm-util/3.2/asm-util-3.2.jar (36 KB at 68.8 KB/sec)
[INFO] Downloading: https://repo.maven.apache.org/maven2/com/google/guava/guava/11.0.2/guava-11.0.2.jar
[INFO] Downloaded: https://repo.maven.apache.org/maven2/com/google/guava/guava/11.0.2/guava-11.0.2.jar (1610 KB at 1193.2 KB/sec)
[INFO] BUILD SUCCESS
[INFO] Total time: 01:48 min
[INFO] Finished at: 2018-06-08T11:40:09+08:00
[INFO] Final Memory: 48M/505M
```



● jar 文件到 linux 服务器中



● 在 linux 中，添加一个文件/etc/systemd/system/seckill.service，并输入内容

```
[Unit]
Description=seckill
After=syslog.target

[Service]
ExecStart=/usr/local/java/jdk/bin/java -jar /usr/local/seckill-0.0.1-SNAPSHOT.jar

[Install]
WantedBy=multi-user.target
```

● 使用 service seckill start 命令启动服务，要停止的话，就执行 service seckill stop

===== 前端部分 =====

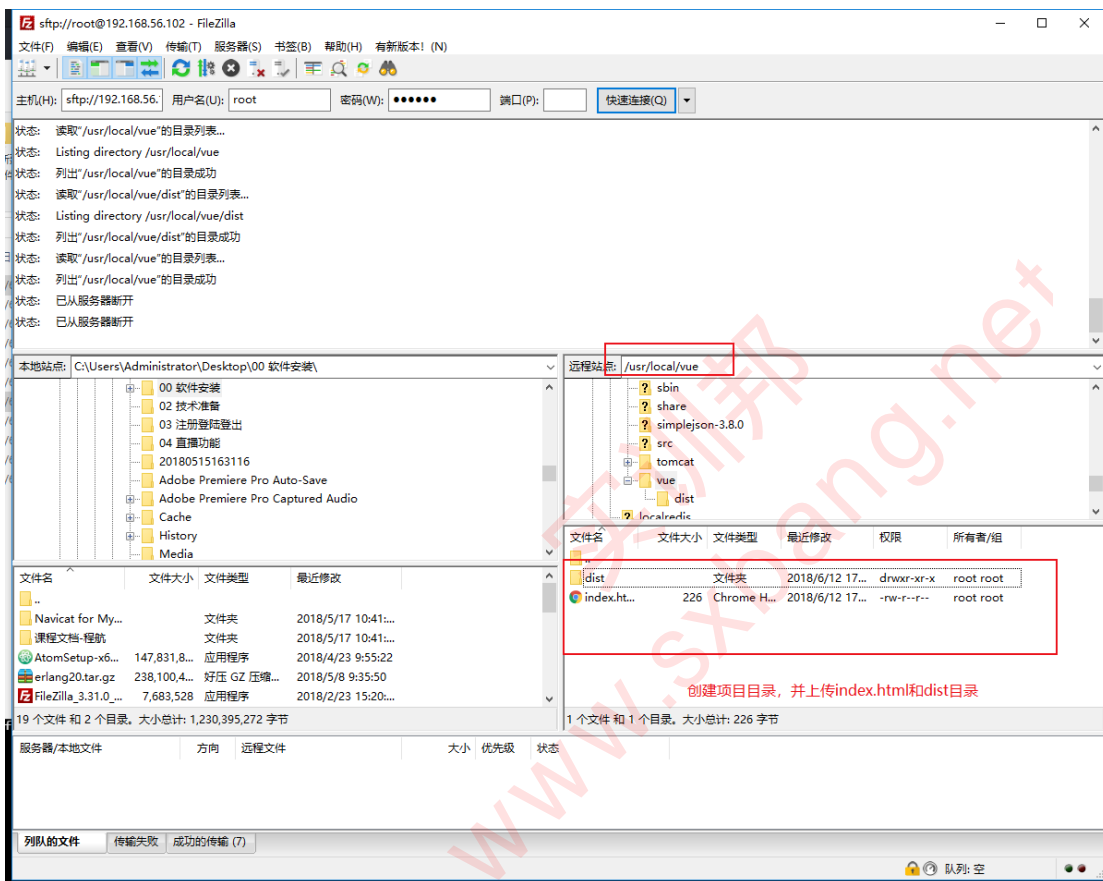
● 打包前端代码并上传 dist 目录和 index.html 到 linue 服务器上

```
PS D:\node_projects\lesson\seckill-front-05> npm run build

> seckill-front-01@1.0.0 build D:\node_projects\lesson\seckill-front-05
> cross-env NODE_ENV=production webpack --progress --hide-modules

Hash: 30c193eac31f6e3a38ab
Version: webpack 3.12.0
Time: 25638ms

      Asset      Size  Chunks             Chunk Names
element-icons.woff?2fad952a20fbbcf1bf2ebb210dccc7a 6.16 kB          [emitted]
element-icons.ttf?6f0a76321d30f3c8120915e57f7bd77e 11 kB           [emitted]
login-bg.jpg?537ad0a4e8fb1df4440c459e2b745ec7    67 kB           [emitted]
logo.png?ff8fab90acb7279dddaaff02bf298aca4       6.53 kB         [emitted]
build.js      977 kB          0 [emitted] [big]  main
build.js.map  5.44 MB          0 [emitted]         main
```



- 修改/etc/nginx/conf.d/default.conf 文件，并添加以下内容，其中 **root** 后面的目录一定要和上传的 **index.html,dist** 目录是一致的。

```
server {
    listen 8081;
    location / {
        root /usr/local/vue;
        index index.html;
    }
}
```

- nginx 常用命令：
 - 启动：nginx
 - 重启：nginx -s reload
 - 停止：nginx -s stop

源码参考

N/A

回马枪总结

- 注意 maven 打包时检查环境
- linux 里以服务形式启动 jar 时，要添加一个.service 的文件
- linux 里配置和启动 nginx，注意 root 的路径要正确