实训邦http://sxbang.net

04-基于Docker容器,使用 Intellij IDEA—键部署权限管 理系统到云环境

本节内容,我们使用IntelliJ IDEA的Docker插件帮助我们将当前权限管理应用制作成Docker镜像、运行在指定的远程机器(阿里云)上。

实现步骤: 1.在CentSO系统上开启Docker的远程连接,如果你对docker安装和基本的操作还不熟悉,请参考我的docker课程之后在继续下面的内容。

编辑此文件: /lib/systemd/system/docker.service, 把
 ExecStart=/usr/bin/dockerd-current \改为ExecStart=/usr/bin/dockerd-current
 -H tcp://0.0.0.0:2375 -H unix://var/run/docker.sock \, 如下:

```
Description=Docker Application Container Engine
    Documentation=https://docs.docker.com
After=network-online.target firewalld.service
    Wants=network-online.target
    [Service]
    Type=notify
      the default is not to use systemd for cgroups because the delegate issues still
    # exists and systemd currently does not support the cgroup feature set required
    # for containers run by docker
  ExecStart=/usr/bin/dockerd -H tcp://0.0.0.0:2375 -H unix:///var/run/docker.sock
ExecReload=/bin/kill -s HUP SMAINPID
   # Having non-zero Limit*s causes performance problems due to accounting overhead
    # in the kernel. We recommend using cgroups to do container-local accounting.
   LimitNOFILE=infinity
LimitNPROC=infinity
    LimitCORE=infinity
# Uncomment TasksMax if your systemd version supports it.
    # Only systemd 226 and above support this version.
#TasksMax=infinity
    TimeoutStartSec=0
    # set delegate yes so that systemd does not reset the cgroups of docker containers
   Delegate=yes

# kill only the docker process, not all processes in the cgroup
    KillMode=process
    # restart the docker process if it exits prematurely
    Restart=on-failure
    StartLimitBurst=3
    StartLimitInterval=60s
33 WantedBy=multi-user.target
```

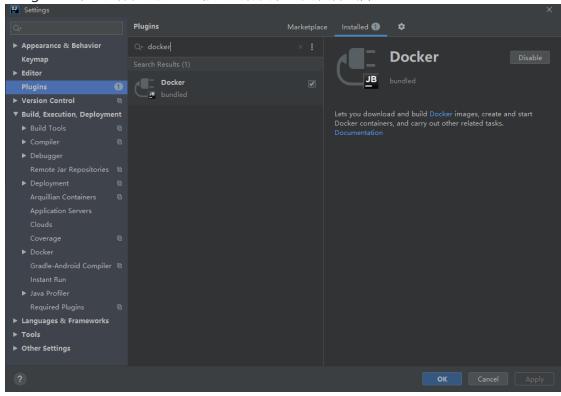
• 重新加载配并重启docker:

1 | systemctl daemon-reload && systemctl restart docker

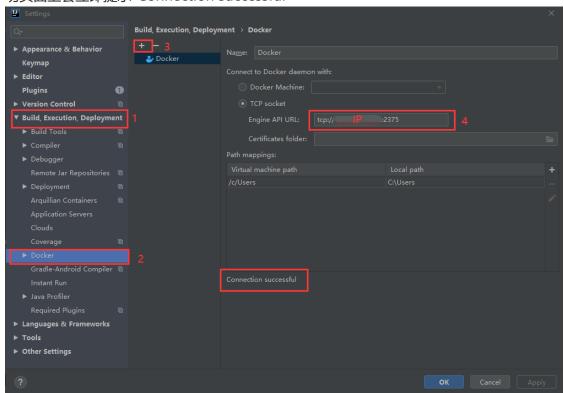
• 确保端口2375已开启,如果使用阿里云等云服务,记得在安全策略上配置端口2375

2.Intellij IDEA安装Docker插件,打开Idea,从File->Settings->Plugins->Install JetBrains plugin进入插件安装界面,在搜索框中输入docker,可以看到Docker

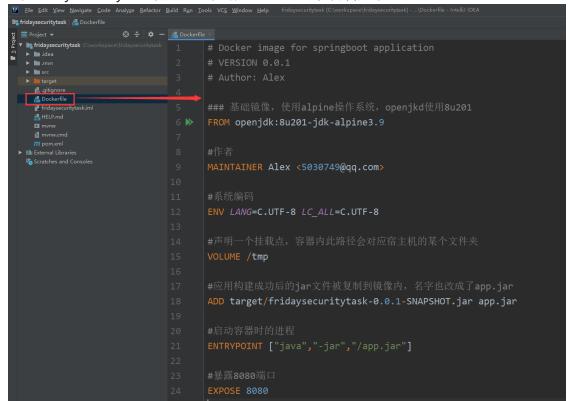
integration,点击右边的Install按钮进行安装。安装后重启Idea。



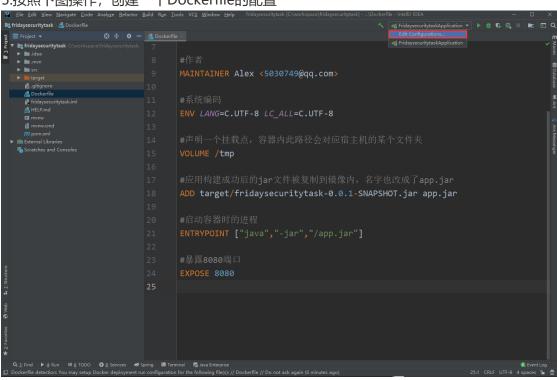
- 3.重启后配置docker, 连接到远程docker服务。从File->Settings-
- >Build,Execution,Deployment->Docker打开配置界面。在设置页面,按照下图的数字顺序创建一个Docker server并进行设置,输入Docker服务所在机器的IP地址,如果连接成功页面上会立即提示"Connection successful"

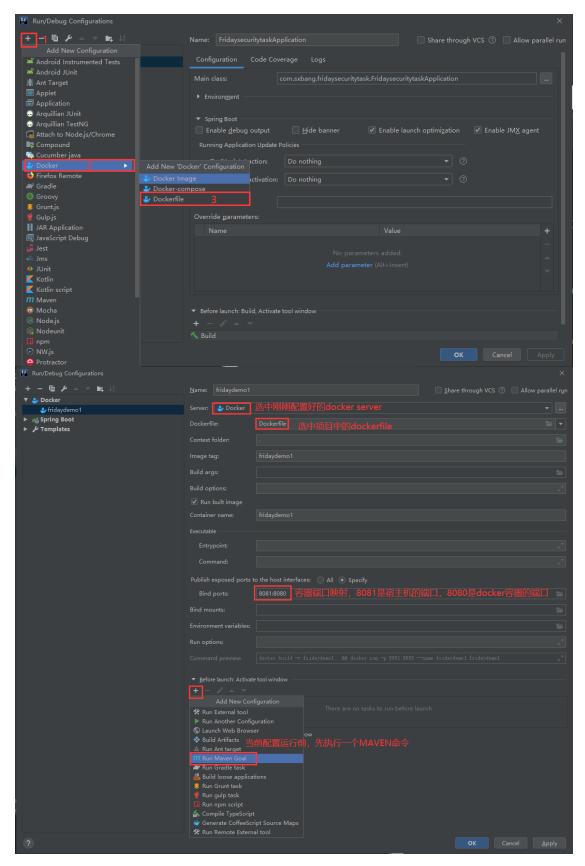


4.在fridaysecuritytask项目目录下创建Dockerfile,内容如下:

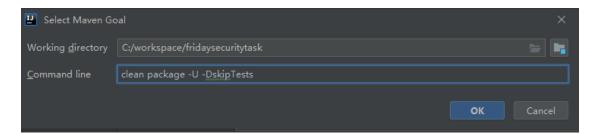


5.按照下图操作,创建一个Dockerfile的配置

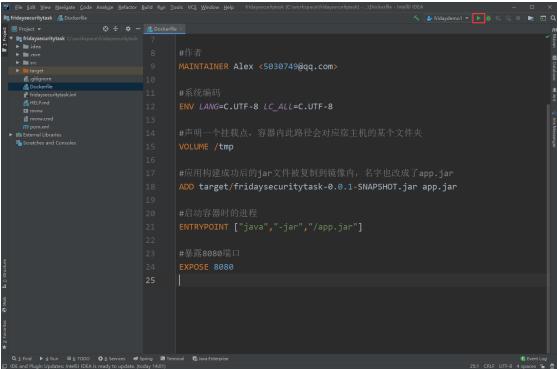




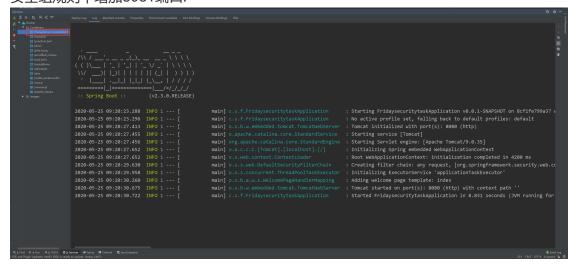
在个"Run Maven Goal"点击后,输入要执行的maven命令clean package -U - DskipTests,表示每次在构建镜像之前,都会将当前工程清理掉并且重新编译构建:



6.点击三角按钮运行验证



启动运行成功,使用浏览器访问: http://宿主机IP:8081, 如果是阿里云等云服务, 记得在安全组规则中增加8081端口.





Friday权限管理系统

用户名称	
用户密码	
登陆	