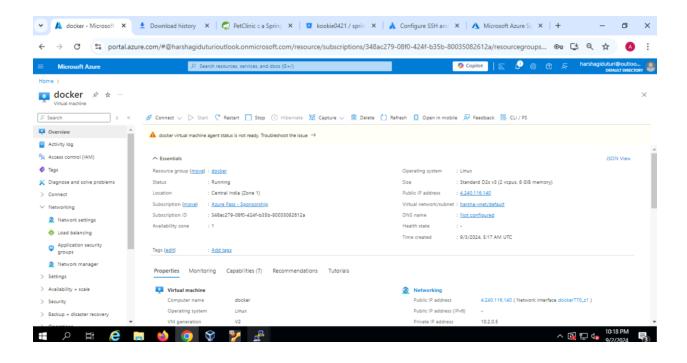
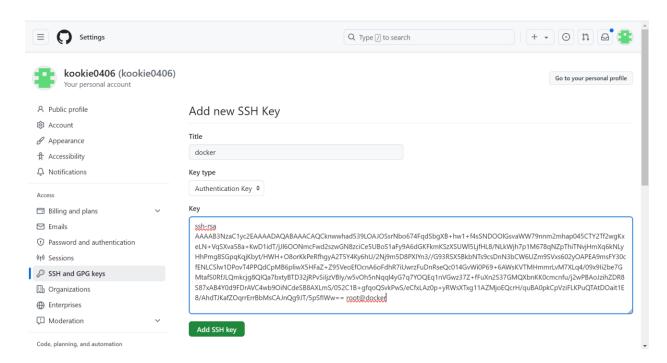
Week - 5 Assignment

1st Create a docker for spring pet clinic





```
root@docker:/home/azureuser# git clone git@github.com:kookie0406/spring-petclinic.git

cloning into 'spring-petclinic'...

The authenticity of host 'github.com (20.207.73.82)' can't be established.

ED25519 key fingerprint is SHA256:+D173wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCOqU.

This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.

remote: Enumerating objects: 9980, done.

remote: Total 9980 (delta 0), reused 0 (delta 0), pack-reused 9980 (from 1)

Receiving objects: 100% (9980)9980), 7.56 MiB | 4.40 MiB/s, done.

Resolving deltas: 100% (3761/3761), done.
```

root@docker:/home/azureuser/spring-petclinic\$ export JAVA_HOME=/usr/lib/jvm/java-17-openjdk-amd64 root@docker:/home/azureuser/spring-petclinic\$ export PATH=\$JAVA_HOME/bin:\$PATH

```
root@docker:/home/azureuser/spring-petclinic# export JAVA home=/usr/lib/jvm/java-17-openjdk-amd64
root@docker:/home/azureuser/spring-petclinic# export JAVA_HOME=/usr/lib/jvm/java-17-openjdk-amd64
root@docker:/home/azureuser/spring-petclinic# export PATH=5JAVA_HOME/bin:$PATH
root@docker:/home/azureuser/spring-petclinic# java -version
openjdk version "17.0.12" 2024-07-16
OpenJDK Runtime Environment (build 17.0.12+7-Ubuntu-lubuntu224.04)
OpenJDK 64-Bit Server VM (build 17.0.12+7-Ubuntu-lubuntu224.04, mixed mode, sharing)
root@docker:/home/azureuser/spring-petclinic#
```

```
poendow of blt Servet vn (build 21.0.147-Obuntu-lubuntu221.01, mixed mode, Snaring)

root@docker:/home/azureuser/spring-petclinicf export JAVA_Home=/usr/lib/jvm/java-17-openjdk-amd64

root@docker:/home/azureuser/spring-petclinicf export PATH=5JAVA_HOME/usr/lib/jvm/java-17-openjdk-amd64

root@docker:/home/azureuser/spring-petclinicf export PATH=5JAVA_HOME/bin:$PATH

root@docker:/home/azureuser/spring-petclinicf java -version

openjdk version *17.0.12* 2024-07-16

OpenJDK Wuntime Environment (build 17.0.12+7-Ubuntu-lubuntu224.04)

OpenJDK 64-Bit Server VM (build 17.0.12+7-Ubuntu-lubuntu224.04, mixed mode, sharing)

root@docker:/home/azureuser/spring-petclinicf mvn clean package -DskipTests
```

```
Controlleding from spring-milestones: https://epo.spring.io/milestone/org/codehaus/plexus-io/3.4.2/plexus-io-3.4.2.jar
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Downloading from spring-milestones: https://epo.spring.io/milestone/org/apache/commons-compress/1.26.1/commons-compress-1.26.1.jar
Downloading from spring-milestones: https://epo.spring.io/milestone/org/tag0d/snappy/o.4/snappy-0.4.jar
Downloading from spring-milestones: https://epo.spring.io/milestone/org/tag0d/snappy/o.mynappy/o.4/snappy-0.4.jar
Downloading from central: https://epo.saven.apache.org/maven/org/apache/saven/maven-archiver/3.6.2.jar
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Covnioading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus-plexus-archiver-4.9.2.jar
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Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver-4.9.2.2, ar (225 kB at 1.3 MB/s)
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```

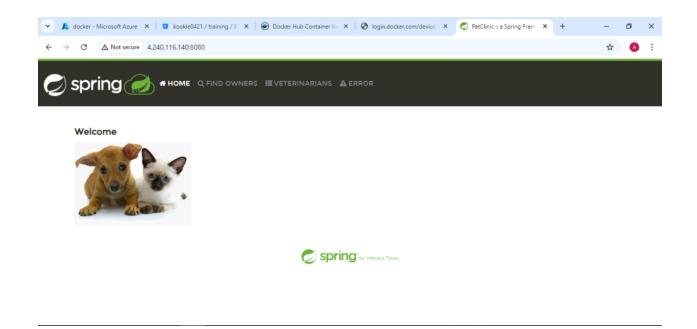
```
Protection of the control of the con
```

```
root@docker:/home/azureuser/spring-petclinic/target# vi Dockerfile
root@docker:/home/azureuser/spring-petclinic/target# docker build -t petclinic .

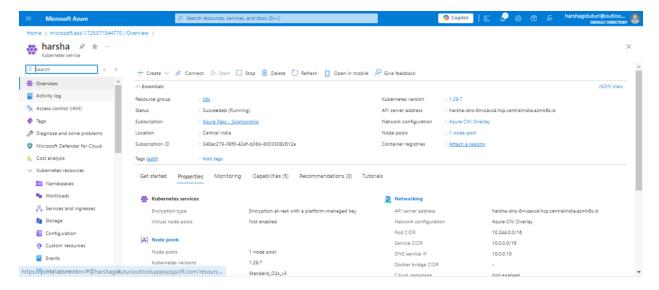
[+] Building 3.28 (8/8) FINISHED

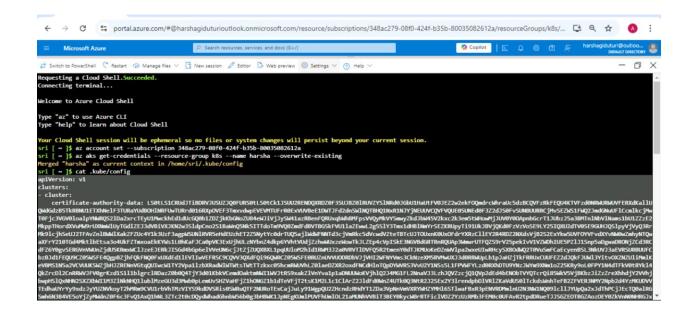
- Instruct | Societies | Dockerfile |
- Instruct | Societies |
- Instruct | Societie
```





2nd. Host spring pet clinic in kubernetes





```
Prottbubutu-VirtualBox:

# login as: wbuntu
wbuntu852.168.56.101's password:
# locumentation: https://help.ubuntu.com
# Support: https://landscape.canonical.com
# Support: https://landscape.canonical.com
# Support: https://wbuntu.com/pro

# Expanded Security Maintenance for Applications is not enabled.
# Support: https://ubuntu.com/pro

# Support: https://ubuntu.c
```

```
root@ubuntu-VirtualBox:~# vi .kube/config
root@ubuntu-VirtualBox:~# kubectl get nodes
NAME
                                   STATUS
                                            ROLES
                                                     AGE
                                                           VERSION
aks-agentpool-57232595-vmss000000
                                                     41m
                                                           v1.29.7
                                   Ready
                                            <none>
aks-agentpool-57232595-vmss000001
                                   Ready
                                            <none>
                                                     41m
                                                          v1.29.7
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```
Procedubunts-VirtualBoc - - G X

apiVersion: apps/v1
kind: Deptocol: TCP
port: 80

apiVersion: v1
kind: Service
section:
- proteool: TCP
port: 80

targetport: 8080

type: LoadBalancer
```

