

Assignment-5

Q1. create a docker for spring pet clinic

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durga
Virtual machine

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Essentials

Resource group (move) : training
Status : Running
Location : Central India (Zone 1)
Subscription (move) : Azure Pass - Sponsorship
Subscription ID : 728e6ace-eff8-43f6-9f7c-8e6496a8da77
Availability zone : 1

Operating system : Linux (ubuntu 24.04)
Size : Standard_B1s (8 GiB memory)
Public IP address : 20.198.20.242
Virtual network/subnet : durga-vnet/default
DNS name : Not configured
Health state : -
Time created : 9/2/2024, 5:05 AM UTC

Tags (edit) : Add tags

Properties | Monitoring | Capabilities (7) | Recommendations | Tutorial

```
root@durga: /home/azureuser/spring-petclinic

[INFO] Installing /home/azureuser/spring-petclinic/pom.xml to /root/.m2/repository/org/springframework/samples/spring-petclinic/3.3.0-SNAPSHOT/spring-petclinic-3.3.0-SNAPSHOT.pom
[INFO] Installing /home/azureuser/spring-petclinic/target/spring-petclinic-3.3.0-SNAPSHOT.jar to /root/.m2/repository/org/springframework/samples/spring-petclinic/3.3.0-SNAPSHOT/spring-petclinic-3.3.0-SNAPSHOT.jar
[INFO] Installing /home/azureuser/spring-petclinic/target/classes/META-INF/sbo/application.cdx.json to /root/.m2/repository/org/springframework/samples/spring-petclinic/3.3.0-SNAPSHOT/spring-petclinic-3.3.0-SNAPSHOT-cyclonedx.json
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 07:36 min
[INFO] Finished at: 2024-09-02T06:08:45Z
[INFO] -----

root@durga:/home/azureuser/spring-petclinic# docker build -t spring-petclinic .
[+] Building 5.4s (8/8) FINISHED                                docker:default
=> [internal] load build definition from Dockerfile             0.0s
=> -- transferring Dockerfile: 171B                             0.0s
=> [internal] load metadata for docker.io/library/openjdk:17-jre-slim 1.0s
=> [internal] load .dockerignore                                 0.0s
=> -- transferring context: 3B                                   0.0s
=> [1/7] FROM docker.io/library/openjdk:17-jre-slim@sha256:a6a8b3a27a 0.0s
=> [internal] load build context                                0.0s
=> -- transferring context: 41.17MB                             0.0s
=> CACHED [2/7] WORKDIR /app                                    0.0s
=> [3/7] COPY target/spring-petclinic-*.jar app.jar            2.1s
=> exporting to image                                           1.1s
=> -- exporting layers                                          1.0s
=> -- writing image sha256:402f56122d243964463279a5a2b0744a612470322 0.0s
```

Welcome




spring by VMware Tanzu

Q2. host spring pet clinic in Kubernetes

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 **bhavani** ☆ ...
Kubernetes service

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^ Essentials JSON View


Resource group	Kubernetes version
training	1.29.7
Status	API server address
Succeeded (Running)	bhavani-dns-1c3yc1hn.hcp.centralindia.azmk8s.io
Subscription	Network configuration
Azure Pass - Sponsorship	Azure CNI Overlay
Location	Node pools
Central India	1 node pool
Subscription ID	Container registries
728e6ace-eff8-43f6-9f7c-8e6496a8da77	durgamicon

```
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Switch to PowerShell | Restart | Manage files | New session | Editor | Web preview | Settings | Help  
Requesting a Cloud Shell. Succeeded.  
Connecting terminal...  
  
Your Cloud Shell session will be ephemeral so no files or system changes will persist beyond your current session.  
durgabhavani [ ~ ]$ az account set --subscription 728e6ace-eff8-43f6-9f7c-8e6496a8da77  
durgabhavani [ ~ ]$ az aks get-credentials --resource-group training --name bhavani --overwrite-existing  
Merged "bhavani" as current context in /home/durgabhavani/.kube/config  
durgabhavani [ ~ ]$ ls -la  
total 60  
drwxr-xr-x 4 durgabhavani durgabhavani 4096 Sep  2 08:33 .  
drwxr-xr-x 1 root root 4096 Sep  2 08:28 ..  
drwx----- 5 durgabhavani durgabhavani 4096 Sep  2 08:29 .azure  
-rw----- 1 durgabhavani durgabhavani 749 Sep  2 09:54 .bash_history  
-rw-r--r-- 1 durgabhavani durgabhavani 178 Sep 24 2023 .bash_logout  
-rw-r--r-- 1 durgabhavani durgabhavani 645 Sep 24 2023 .bash_profile  
-rw-r--r-- 1 durgabhavani durgabhavani 741 Sep  2 08:28 .bashrc  
drwxr-xr-x 2 durgabhavani durgabhavani 4096 Sep  2 08:33 .kube  
-rw-r--r-- 1 durgabhavani durgabhavani 42 Sep  2 08:28 .tmux.conf  
-rw-r--r-- 1 durgabhavani durgabhavani 22287 Jun 17 2022 .zshrc  
durgabhavani [ ~ ]$ cat .kube/config
```

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