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20.107.99.125
Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
/home/azureuser/geekbrains-containerization/
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ ls -a
total 44
drwxrwxr-x 2 azureuser azureuser 4096 Mar 3 07:08 .
drwxrwxr-x 8 azureuser azureuser 4096 Jan 30 14:30 ..
-rw-rw-r-- 1 azureuser azureuser 3613 Jan 30 14:30 README.md
-rw-rw-r-- 1 azureuser azureuser 505 Mar 1 15:45 configmap.yaml
-rw-rw-r-- 1 azureuser azureuser 195 Mar 3 07:00 ingress.yaml
-rw-rw-r-- 1 azureuser azureuser 194 Mar 1 17:03 pv.yaml
-rw-rw-r-- 1 azureuser azureuser 193 Mar 1 16:54 role.yaml
-rw-rw-r-- 1 azureuser azureuser 270 Mar 1 16:59 rolebinding.yaml
-rw-rw-r-- 1 azureuser azureuser 236 Mar 3 07:08 service.yaml
-rw-rw-r-- 1 azureuser azureuser 90 Mar 1 15:49 serviceaccount.yaml
-rw-rw-r-- 1 azureuser azureuser 1191 Mar 2 19:27 statefulset.yaml
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ kubectl apply -f .
configmap/prometheus-configmap created
persistentvolume/prometheus-pv created
service/prometheus created
serviceaccount/prometheus created
statefulset.apps/prometheus created
unable to recognize "ingress.yaml": no matches for kind "Ingress" in version "extensions/v1beta1"
unable to recognize "role.yaml": no matches for kind "ClusterRole" in version "rbac.authorization.k8s.io/v1beta1"
unable to recognize "rolebinding.yaml": no matches for kind "ClusterRoleBinding" in version "rbac.authorization.k8s.io/v1beta1"
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$
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Quick connect...
/home/azureuser/geekbrains-containerization/
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ kubectl get pv
NAME CAPACITY ACCESS MODES RECLAIM POLICY STATUS CLAIM STORAGECLASS RE
ASON AGE
prometheus-pv 5Gi RWO Retain Bound default/data-prometheus-0 local
3m10s
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ kubectl get pvc
NAME STATUS VOLUME CAPACITY ACCESS MODES STORAGECLASS AGE
data-prometheus-0 Bound prometheus-pv 5Gi RWO local 3m29s
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ kubectl get ingress
No resources found in default namespace.
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ kubectl get service
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 4d11h
prometheus ClusterIP None <none> 9090/TCP 4m13s
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ kubectl get cm
NAME DATA AGE
kube-root-ca.crt 1 21d
prometheus-configmap 1 4m41s
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ kubectl get pods
NAME READY STATUS RESTARTS AGE
prometheus-0 0/1 Init:CrashLoopBackoff 5 (106s ago) 4m48s
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ kubectl get statefulset
error: the server doesn't have a resource type "statefulset"
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ kubectl get statefulsets
NAME READY AGE
prometheus 0/1 5m45s
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ kubectl describe pod
prometheus-0
Name: prometheus-0
Namespace: default
Priority: 0
Node: minikube/192.168.49.2
```

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Quick connect...
/home/azureuser/geekbrains-containers/
NAME READY AGE
prometheus 0/1 5m45s
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$ kubectl describe pod prometheus-0
Name: prometheus-0
Namespace: default
Priority: 0
Node: minikube/192.168.49.2
Start Time: Thu, 03 Mar 2022 07:09:35 +0000
Labels: app=prometheus
controller-revision-hash=prometheus-68799bd95f
statefulset.kubernetes.io/pod-name=prometheus-0
Annotations: <none>
Status: Pending
IP: 172.17.0.4
IPs:
IP: 172.17.0.4
Controlled By: StatefulSet/prometheus
Init Containers:
mount-permissions-fix:
Container ID: docker://406a5679cc9f13eb0d43c2befa8bc7a464a9ef62e16d1fe20c5767e43b89f734
Image: busybox
Image ID: docker-pullable://busybox@sha256:afcc7f1ac1b49db317a7196c902e61c6c3c4607d63599ee1a82d702d249a0
ccb:
Port: <none>
Host Port: <none>
Command:
sh
-c
chmod 777 /data
State: Waiting
Reason: CrashLoopBackOff
Last State: Terminated
Reason: Error
Exit Code: 1
```

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Quick connect...
/home/azureuser/geekbrains-containers/
Name
Name: prometheus-0
Namespace: default
Priority: 0
Node: minikube/192.168.49.2
Start Time: Thu, 03 Mar 2022 07:09:35 +0000
Labels: app=prometheus
controller-revision-hash=prometheus-68799bd95f
statefulset.kubernetes.io/pod-name=prometheus-0
Annotations: <none>
Status: Pending
IP: 172.17.0.4
IPs:
IP: 172.17.0.4
Controlled By: StatefulSet/prometheus
Init Containers:
mount-permissions-fix:
Container ID: docker://406a5679cc9f13eb0d43c2befa8bc7a464a9ef62e16d1fe20c5767e43b89f734
Image: busybox
Image ID: docker-pullable://busybox@sha256:afcc7f1ac1b49db317a7196c902e61c6c3c4607d63599ee1a82d702d249a0
ccb:
Port: <none>
Host Port: <none>
Command:
sh
-c
chmod 777 /data
State: Waiting
Reason: CrashLoopBackOff
Last State: Terminated
Reason: Error
Exit Code: 1
Started: Thu. 03 Mar 2022 07:15:17 +0000
Ready: False
Restart Count: 6
Environment: <none>
Mounts:
/prometheus from data (rw)
/var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-gzz8z (ro)
Containers:
prometheus:
Container ID: prom/prometheus:v2.19.2
Image: prom/prometheus:v2.19.2
Image ID:
Port: 9090/TCP
Host Port: 0/TCP
State: Waiting
Reason: PodInitializing
Ready: False
Restart Count: 0
Environment: <none>
Mounts:
/etc/prometheus from config-volume (rw)
/prometheus from data (rw)
/var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-gzz8z (ro)
Conditions:
Type Initialized Status
Ready False
ContainersReady False
PodsScheduled True
```

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Terminal Sessions View X server Tools Games Settings Macros Help
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Quick connect...
/home/azureuser/geekbrains-containerz/
/prometheus from data (rw)
/var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-gzz8z (ro)
Conditions:
Type:
Initialized: False
Ready: False
ContainersReady: False
PodScheduled: True
Volumes:
data:
Type: PersistentVolumeClaim (a reference to a PersistentVolumeClaim in the same namespace)
ClaimName: data-prometheus-0
ReadOnly: false
config-volume:
Type: ConfigMap (a volume populated by a ConfigMap)
Name: prometheus-configmap
Optional: false
kube-api-access-gzz8z:
Type: Projected (a volume that contains injected data from multiple sources)
TokenExpirationSeconds: 3607
ConfigMapName: kube-root-ca.crt
ConfigMapOptional: <nil>
DownwardAPI: true
QoS Class: BestEffort
Node-Selectors: <none>
Tolerations: node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Events:
Type Reason Age From Message
warning FailedScheduling 6m23s default-scheduler 0/1 nodes are available: 1 pod has unbound
immediate PersistentVolumeClaims.
Normal Scheduled 6m21s default-scheduler Successfully assigned default/prometheus-0
to minikube
Normal Pulled 6m17s kubelet Successfully pulled image "busybox" in 2.8
```

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Quick connect...
/home/azureuser/geekbrains-containerz/
Type: ConfigMap (a volume populated by a ConfigMap)
Name: prometheus-configmap
Optional: false
kube-api-access-gzz8z:
Type: Projected (a volume that contains injected data from multiple sources)
TokenExpirationSeconds: 3607
ConfigMapName: kube-root-ca.crt
ConfigMapOptional: <nil>
DownwardAPI: true
QoS Class: BestEffort
Node-Selectors: <none>
Tolerations: node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Events:
Type Reason Age From Message
warning FailedScheduling 6m23s default-scheduler 0/1 nodes are available: 1 pod has unbound
immediate PersistentVolumeClaims.
Normal Scheduled 6m21s default-scheduler Successfully assigned default/prometheus-0
to minikube
Normal Pulled 6m17s kubelet Successfully pulled image "busybox" in 2.8
89661052s Normal Pulled 6m15s kubelet Successfully pulled image "busybox" in 1.1
62892711s Normal Pulled 5m57s kubelet Successfully pulled image "busybox" in 1.1
42150328s Normal Created 5m30s (x4 over 6m16s) kubelet Created container mount-permissions-fix
Normal Started 5m30s (x4 over 6m16s) kubelet Started container mount-permissions-fix
Normal Pulled 5m30s kubelet Successfully pulled image "busybox" in 1.3
04037352s Normal Pulling 4m50s (x5 over 6m20s) kubelet Pulling image "busybox"
Normal Pulled 4m49s kubelet Successfully pulled image "busybox" in 1.1
44832512s warning BackOff 77s (x26 over 6m14s) kubelet Back-off restarting failed container
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/7.advanced-abstractions$
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