Kubernetes Assignment 01

- 1. List all the namespaces in the cluster kubectl get namespace
- 2. List all the pods in all namespaces kubectl get pods --all-namespaces
- 3. List all the pods in the particular namespace kubectl get pods --namespace <nsname>
- 4. List all the services in the particular namespace kubectl get services --namespace <nsname>
- 5. List all the pods showing name and namespace with a json path expression kubectl get pods -o=jsonpath="{.items[*]['metadata.name', 'metadata.namespace']}"
- 6. Create an nginx pod in a default namespace and verify the pod running kubectl -- run nginx --image=nginx -n default
- 7. Create the same nginx pod with a yaml file kubectl create -f nginxpod.yaml
- 8. Output the yaml file of the pod you just created kubectl get deploy nginx-deployment -o yaml
- 9. Output the yaml file of the pod you just created without the cluster-specific information kubectl get pod nginx -o yaml --export (deprecated)
- 10. Get the complete details of the pod you just created kubectl describe pod nginx
- 11. Delete the pod you just created kubectl delete pod nginx
- 12. Delete the pod you just created without any delay kubectl delete pod nginx --grace-period=0 --force
- 13. Create the nginx pod with version 1.17.4 and expose it on port 80 kubectl run nginx -- image=nginx-pod -- port=80 -- expose

14. Change the Image version to 1.15-alpine for the pod you just created and verify the image version is updated

kubectl set image pod/nginx nginx=nginx:1.15-alpine

15. Change the Image version back to 1.17.1 for the pod you just updated and observe the change

kubectl set image pod/nginx nginx=nginx:1.17.1 kubectl describe pod nginx kubectl get pod nginx -w

- 16. Check the Image version without the describe command kubectl get pod nginx -o jsonpath='{.spec.containers[].image}{"\n"}'
- 17. Create the nginx pod and execute the simple shell on the pod kubectl -- exec -it nginx bash
- 18. Get the IP Address of the pod you just created kubectl describe pod nginx
- Create a busybox pod and run command Is while creating it and check the logs kubectl run busybox --image=nginx -n default minikube kubectl logs busybox
- 20. If pod crashed check the previous logs of the pod kubectl logs --container < container_name > --previous=true < pod_name >
- 21. Create a busybox pod with command sleep 3600 kubectl run busybox --image=busybox --restart=Never -- /bin/sh -c "sleep 3600"
- 22. Check the connection of the nginx pod from the busybox pod kubectl exec -it busybox -- wget -o- 127.0.0.4
- 23. Create a busybox pod and echo message 'How are you' and delete it manually kubectl run busybox --image=nginx --restart=Never -it -- echo "How are you" kubectl delete pod busybox
- 24. Create a busybox pod and echo message 'How are you' and have it deleted immediately kubectl run busybox --image=nginx --restart=Never -it --rm -- echo "How are you"
- 25. Create an nginx pod and list the pod with different levels of verbosity kubectl run busybox --image=nginx --restart=Never --v=7
- 26. List the nginx pod with custom columns POD_NAME and POD_STATUS

kubectl get po -o=custom-columns="POD_NAME:.metadata.name, POD_STATUS:.status.containerStatuses[].state"

- 27. List all the pods sorted by name kubectl get pods --sort-by=.metadata.name
- 28. List all the pods sorted by created timestamp kubectl get po --sort-by=.status.startTime
- 29. Create a Pod with three busy box containers with commands "Is; sleep 3600;", "echo Hello World; sleep 3600;" and "echo this is the third container; sleep 3600" respectively and check the status

Kubectl create -f multic.yaml

- 30. Check the logs of each container that you just created kubectl logs busybox -c busybox1
- 31. Check the previous logs of the second container busybox2 if any kubectl logs busybox -c busybox2 --previous=true
- 32. Run command Is in the third container busybox3 of the above pod kubectl exec busybox -c busybox3 -- Is
- 33. Show metrics of the above pod containers and puts them into the file.log and verify minikube addons enable metrics-server kubectl top pod busybox --containers kubectl top pod busybox --containers > file.log cat file.log
- 34. Create a Pod with main container busybox and which executes this "while true; do echo 'Hi I am from Main container' >> /var/log/index.html; sleep 5; done" and with sidecar container with nginx image which exposes on port 80. Use emptyDir Volume and mount this volume on path /var/log for busybox and on path /usr/share/nginx/html for nginx container. Verify both containers are running.

kubectl create -f Q35.yaml
Kubectl get pods
kubectl exec -it multi-cont-pod -c main-container -- sh
cat /var/log/index.html
kubectl exec -it multi-cont-pod -c sidecar-container -- sh
cat /usr/share/nginx/html/index.html

35. Exec into both containers and verify that main.txt exist and query the main.txt from sidecar container with curl localhost kubectl exec -it multi-cont-pod -c sidecar-container -- /bin/bash

curl localhost

- 36. Get the pods with label information kubectl get pods --show-labels
- 37. Create 5 nginx pods in which two of them is labeled env=prod and three of them is labeled env=dev

```
kubectl run nginx-prod1 --image=nginx --restart=Never --labels=env=prod kubectl run nginx-prod2 --image=nginx --restart=Never --labels=env=prod kubectl run nginx-dev1 --image=nginx --restart=Never --labels=env=dev kubectl run nginx-dev2 --image=nginx --restart=Never --labels=env=dev kubectl run nginx-dev3 --image=nginx --restart=Never --labels=env=dev
```

- 38. Verify all the pods are created with correct labels kubectl get pods --show-labels
- 39. Get the pods with label env=dev kubectl get pods -l env=dev
- 40. Get the pods with label env=dev and also output the labels kubectl get pods -l env=dev --show-labels
- 41. Get the pods with label env=prod kubectl get pods -l env=prod
- 42. Get the pods with label env=prod and also output the labels kubectl get pods -l env=prod --show-labels
- 43. Get the pods with label env kubectl get pods -I env
- 44. Get the pods with labels env=dev and env=prod kubectl get pods -l 'env in (dev,prod)'
- 45. Get the pods with labels env=dev and env=prod and output the labels as well kubectl get pods -l 'env in (dev,prod)' --show-labels
- 46. Change the label for one of the pod to env=uat and list all the pods to verify kubectl label pod/nginx-dev1 env=uat --overwrite
- 47. Remove the labels for the pods that we created now and verify all the labels are removed

```
kubectl label pod nginx-dev{1..3} env-
kubectl label pod nginx-prod{1..2} env-
```

kubectl get pods --show-labels

48. Let's add the label app=nginx for all the pods and verify kubectl label pod nginx-dev{1..3} app=nginx kubectl label pod nginx-prod{1..2} app=nginx kubectl get pod --show-labels

- 49. Get all the nodes with labels (if using minikube you would get only master node) kubectl get nodes --show-labels
- 50. Label the node (minikube if you are using) nodeName=nginxnode kubectl label node minikube nodeName=nginxnode
- 51. Create a Pod that will be deployed on this node with the label nodeName=nginxnode Bbyaml.yaml
- 52. Verify the pod that it is scheduled with the node selector kubectl describe pod nginx | grep Node-Selectors
- 53. Verify the pod nginx that we just created has this label kubectl describe pod nginx
- 54. Annotate the pods with name=webapp kubectl annotate pod nginx-dev{1..3} name=webapp kubectl annotate pod nginx-prod{1..2} name=webapp
- 55. Verify the pods that have been annotated correctly kubectl describe pod nginx-dev{1..3} | grep -i annotations kubectl describe pod nginx-prod{1..2} | grep -i annotations
- 56. Remove the annotations on the pods and verify kubectl annotate pod nginx-dev{1..3} name-kubectl annotate pod nginx-prod{1..2} name-kubectl describe po nginx-dev{1..3} | grep -i annotations kubectl describe po nginx-prod{1..2} | grep -i annotations
- 57. Remove all the pods that we created so far kubectl delete pod --all
- 58. Create a deployment called webapp with image nginx with 5 replicas kubectl create -f Q58.yaml
- 59. Get the deployment you just created with labels kubectl get deploy webapp --show-labels

- 60. Output the yaml file of the deployment you just created kubectl get deploy webapp -o yaml
- 61. Get the pods of this deployment kubectl get pod -l app=webapp
- 62. Scale the deployment from 5 replicas to 20 replicas and verify kubectl scale deploy webapp --replicas=20 kubectl get rs -l app=webapp
- 63. Get the deployment rollout status kubectl rollout status deploy webapp
- 64. Get the replicaset that created with this deployment kubectl get rs -l app=webapp
- 65. Get the yaml of the replicaset and pods of this deployment kubectl get rs -l app=webapp -o yaml kubectl get pod -l app=webapp -o yaml
- 66. Delete the deployment you just created and watch all the pods are also being deleted kubectl delete deploy webapp kubectl get pod -l app=webapp -w
- 67. Create a deployment of webapp with image nginx:1.17.1 with container port 80 and verify the image version kubectl create -f wapp.yaml kubectl describe deploy webapp | grep Image
- 68. Update the deployment with the image version 1.17.4 and verify kubectl set image deploy/webapp nginx=nginx:1.17.4 kubectl describe deploy webapp | grep Image
- 69. Check the rollout history and make sure everything is ok after the update kubectl rollout history deploy webapp
- 70. Undo the deployment to the previous version 1.17.1 and verify Image has the previous version

kubectl rollout undo deploy/webapp kubectl describe deploy webapp | grep Image

71. Update the deployment with the image version 1.16.1 and verify the image and also check the rollout history

kubectl set image deploy/webapp nginx=nginx:1.16.1

kubectl describe deploy webapp | grep Image kubectl rollout history deploy webapp

- 72. Update the deployment to the Image 1.17.1 and verify everything is ok kubectl rollout undo deploy webapp --to-revision=3
- 73. Update the deployment with the wrong image version 1.100 and verify something is wrong with the deployment

kubectl set image deploy/webapp nginx=nginx:1.100 (imagepullbackoff status) kubectl rollout status deploy webapp

74. Undo the deployment with the previous version and verify everything is Ok kubectl rollout undo deploy webapp kubectl rollout status deploy webapp kubectl get pod -l app=webapp

- 75. Check the history of the specific revision of that deployment kubectl rollout history deploy webapp --revision=7
- 76. Pause the rollout of the deployment kubectl rollout pause deploy webapp
- 77. Update the deployment with the image version latest and check the history and verify nothing is going on

kubectl set image deploy webapp nginx=nginx:latest kubectl rollout history deploy webapp

- 78. Resume the rollout of the deployment kubectl rollout resume deploy webapp
- 79. Check the rollout history and verify it has the new version kubectl rollout history deploy webapp
- 80. Apply the autoscaling to this deployment with minimum 10 and maximum 20 replicas and target CPU of 85% and verify hpa is created and replicas are increased to 10 from 1 kubectl autoscale deploy webapp --min=1 --max=10 --cpu-percent=85 kubectl get hpa
- 81. Clean the cluster by deleting deployment and hpa you just created kubectl delete deploy webapp kubectl delete hpa webapp
- 82. Create a Job with an image node which prints node version and also verifies there is a pod created for this job

```
kubectl create job myjob --image=node -- node -v kubectl get pod
```

83. Get the logs of the job just created kubectl logs myjob-knmr2

84. Output the yaml file for the Job with the image busybox which echos "Hello I am from job"

kubectl create job hello-job --image=busybox --dry-run -o yaml -- echo "Hello I am from job"

85. Copy the above YAML file to hello-job.yaml file and create the job kubectl create job job2 --image=busybox --dry-run=client -o yaml -- echo "Hey there" > hello-job.yaml kubectl create -f hello-job.yaml

86. Verify the job and the associated pod is created and check the logs as well kubectl get job kubectl get po kubectl logs job2-kj8q4

87. Delete the job we just created kubectl delete job job2

88. Create the same job and make it run 10 times one after one kubectl create -f hello-job.yaml

89. Watch the job that runs 10 times one by one and verify 10 pods are created and delete those after it's completed

kubectl get job -w Kubectl get pods kubectl delete job job2

90. Create the same job and make it run 10 times parallel Add parallelism: 10 in spec of yaml

91. Watch the job that runs 10 times parallelly and verify 10 pods are created and delete those after it's completed

kubectl get job -w kubectl delete job job2

92. Create a Cronjob with busybox image that prints date and hello from kubernetes cluster message for every minute

kubectl create cronjob democronjob --image=busybox --schedule="*/1 * * * * *" -- bin/sh -c "date; echo Hello from kubernetes cluster"

93. Output the YAML file of the above cronjob kubectl get cj democronjob -o yaml

94. Verify that CronJob creating a separate job and pods for every minute to run and verify the logs of the pod

Kubectl get pod kubectl logs democronjob-1613996340-lhn54

95. Delete the CronJob and verify all the associated jobs and pods are also deleted.

kubectl delete cj democronjob Kubectl get pod Kubectl get job

 List Persistent Volumes in the cluster kubectl get pv

- 97. Create a hostPath PersistentVolume named task-pv-volume with storage 10Gi, access modes ReadWriteOnce, storageClassName manual, and volume at /mnt/data and verify kubectl create -f task-pv-volume.yaml kubectl get pv
- 98. Create a PersistentVolumeClaim of at least 3Gi storage and access mode ReadWriteOnce and verify status is Bound kubectl create -f task-pv-claim.yaml kubectl get pvc
- 99. Delete persistent volume and PersistentVolumeClaim we just created Kubectl delete pv --all Kubectl delete pvc --all
- 100. Create a Pod with an image Redis and configure a volume that lasts for the lifetime of the Pod

kubectl create -f Q100.yaml

101. Exec into the above pod and create a file named file.txt with the text 'This is called the file' in the path /data/redis and open another tab and exec again with the same pod and verifies file exist in the same path.

kubectl exec -it redis-pod -- bash cd /data/redis Touch file.txt echo 'This is called the file' > file.txt

```
New tab --> kubectl exec -it redis-pod -- bash cat /data/redis/file.txt
```

102. Delete the above pod and create again from the same yaml file and verifies there is no file.txt in the path /data/redis

kubectl delete pod redis-pod kubectl create -f Q100.yaml kubectl exec -it redis-pod -- bash cat /data/redis/file.txt

103. Create PersistentVolume named task-pv-volume with storage 10Gi, access modes ReadWriteOnce, storageClassName manual, and volume at /mnt/data and Create a PersistentVolumeClaim of at least 3Gi storage and access mode ReadWriteOnce and verify status is Bound

kubectl create -f demopv.yaml kubectl create -f Q98.yaml

- 104. Create an nginx pod with containerPort 80 and with a PersistentVolumeClaim task-pv-claim and has a mount path "/usr/share/nginx/html" kubectl create -f Q104.yaml
- List all the configmaps in the cluster kubectl get cm
- 106. Create a configmap called myconfigmap with literal value appname=myapp kubectl create cm myconfigmap --from-literal=appname=myapp
- Verify the configmap we just created has this data kubectl get cm -o yaml
- 108. delete the configmap myconfigmap we just created Kubectl delete cm myconfigmap
- 109. Create a file called config.txt with two values key1=value1 and key2=value2 and verify the file

cat >> config.txt << EOF key1=value1 key2=value2 EOF cat config.txt

110. Create a configmap named keyvalcfgmap and read data from the file config.txt and verify that configmap is created correctly

kubectl create cm keyvalcfgmap --from-file=config.txt

kubectl get cm keyvalcfgmap -o yaml

111. Create an nginx pod and load environment values from the above configmap keyvalcfgmap and exec into the pod and verify the environment variables and delete the pod

```
kubectl create -f Q111.yaml
kubectl exec -it nginx-pod -- env
kubectl delete pod nginx-pod
```

112. Create an env file file.env with var1=val1 and create a configmap envcfgmap from this env file and verify the configmap

```
kubectl create cm envcfgmap --from-env-file=file.env kubectl get cm envcfgmap -o yaml
```

113. Create an nginx pod and load environment values from the above configmap envcfgmap and exec into the pod and verify the environment variables and delete the pod

```
kubectl create -f Q113.yaml
kubectl exec -it nginx -- env
kubectl delete pod nginx
```

114. Create a configmap called cfgvolume with values var1=val1, var2=val2 and create an nginx pod with volume nginx-volume which reads data from this configmap cfgvolume and put it on the path /etc/cfg

```
kubectl create cm cfgvolume --from-literal=var1=val1 --from-literal=var2=val2 kubectl describe cm cfgvolume kubectl create -f Q114.yaml
Terminal: kubectl exec -it nginxpod -- bin/sh
# cd /etc/cfg
# Is
var1_var2
```

115. Create a pod called secbusybox with the image busybox which executes command sleep 3600 and makes sure any Containers in the Pod, all processes run with user ID 1000 and with group id 2000 and verify.

```
kubectl create -f Q115.yaml
kubectl run secbusybox --image=busybox --restart=Never --dry-run -o yaml -- /bin/sh -c
"sleep 3600;" > Q115.yaml
kubectl exec -it secbusybox -- sh
$id
Output : uid=1000 gid=2000 groups=2000
```

116. Create the same pod as above this time set the securityContext for the container as well and verify that the securityContext of container overrides the Pod level securityContext.

```
kubectl create -f Q116.yaml kubectl exec -it secbusybox1 -- sh $id \rightarrow uid:2000
```

117. Create pod with an nginx image and configure the pod with capabilities NET_ADMIN and SYS_TIME verify the capabilities

kubectl create -f Q117.yaml

```
[ayrastog@ayrastog nginxpod]$ kubectl exec -it nginxpodd -- sh
# cd /proc/1
# cat status
Name:
       nginx
Umask: 0022
State: S (sleeping)
Tgid:
Ngid:
       0
Pid:
PPid:
TracerPid:
               0
Uid:
                                0
Gid:
       0
                       Θ
                                0
FDSize: 64
Groups:
NStgid: 1
NSpid: 1
NSpgid: 1
NSsid: 1
VmPeak:
           10664 kB
VmSize:
           10636 kB
           0 kB
0 kB
VmLck:
VmPin:
VmHWM:
          5876 kB
VmRSS:
          5876 kB
RssAnon:
                     804 kB
RssFile:
                    5072 kB
                       0 kB
RssShmem:
VmData:
           980 kB
VmStk:
           132 kB
980 kB
VmExe:
          3800 kB
VmLib:
            60 kB
VmPTE:
             0 kB
VmSwap:
HugetlbPages:
CoreDumping:
                       0 kB
Threads:
SigQ: 0/22437
SigPnd: 0000000000000000
ShdPnd: 0000000000000000
SigBlk: 00000000000000000
SigIgn: 0000000040001000
SigCgt: 0000000198016a07
CapInh: 00000000aa0435fb
CapPrm: 00000000aa0435fb
CapEff: 00000000aa0435fb
CapBnd: 00000000aa0435fb
CapAmb: 00000000000000000
NoNewPrivs:
                0
Seccomp:
                0
Speculation Store Bypass:
                                thread vulnerable
Cpus_allowed:
                3
Cous allowed list:
```

118. Create a Pod nginx and specify a memory request and a memory limit of 100Mi and 200Mi respectively.

kubectl create -f Q118.yaml

119. Create a Pod nginx and specify a CPU request and a CPU limit of 0.5 and 1 respectively.

kubectl create -f Q119.yaml

120. Create a Pod nginx and specify both CPU, memory requests and limits together and verify.

kubectl create -f Q120.yaml kubectl top pod

121. Create a Pod nginx and specify a memory request and a memory limit of 100Gi and 200Gi respectively which is too big for the nodes and verify pod fails to start because of insufficient memory

kubectl create -f Q121.yml kubectl describe pod nginx - pending state

- 122. Create a secret mysecret with values user=myuser and password=mypassword kubectl create secret generic my-secret --from-literal=user=myuser --from-literal=password=mypassword
- 123. List the secrets in all namespaces kubectl get secret --all-namespaces
- 124. Output the yaml of the secret created above kubectl get secret my-secret -o yaml
- 125. Create an nginx pod which reads username as the environment variable kubectl create -f Q125.yaml
- 126. Create an nginx pod which loads the secret as environment variables kubectl create -f Q126.yaml Kubectl exec -it nginx -- env
- 127. List all the service accounts in the default namespace kubectl get sa
- 128. List all the service accounts in all namespaces kubectl get sa --all-namespaces
- 129. Create a service account called admin kubectl create sa admin
- 130. Output the YAML file for the service account we just created

Kubectl get sa admin -o yaml

131. Create a busybox pod which executes this command sleep 3600 with the service account admin and verify

kubectl create -f Q131.yaml kubectl describe pod busyboxpod

132. Create an nginx pod with containerPort 80 and it should only receive traffic only it checks the endpoint / on port 80 and verify and delete the pod.

kubectl create -f nginx-get.yaml kubectl describe pod nginx | grep -i readiness kubectl delete pod nginx

133. Create an nginx pod with containerPort 80 and it should check the pod running at endpoint / healthz on port 80 and verify and delete the pod.

Change path to /healthz

134. Create an nginx pod with containerPort 80 and it should check the pod running at endpoint /healthz on port 80 and it should only receive traffic only it checks the endpoint / on port 80. verify the pod.

Add readinessProbe

135. Check what all are the options that we can configure with readiness and liveness probes

kubectl explain Pod.spec.containers.livenessProbe kubectl explain Pod.spec.containers.readinessProbe

136. Create the pod nginx with the above liveness and readiness probes so that it should wait for 20 seconds before it checks liveness and readiness probes and it should check every 25 seconds.

kubectl create -f Q136.yaml

137. Create a busybox pod with this command "echo I am from busybox pod; sleep 3600;" and verify the logs.

kubectl run busybox --image=busybox --restart=Never -- /bin/sh -c "echo I am from busybox pod; sleep 3600;" kubectl logs busybox

138. copy the logs of the above pod to the busybox-logs.txt and verify kubectl logs busybox > busybox-logs.txt cat busybox-logs.txt

139. List all the events sorted by timestamp and put them into file.log and verify kubectl get events --sort-by=.metadata.creationTimestamp

kubectl get events --sort-by=.metadata.creationTimestamp > file.log cat file.log

140. Create a pod with an image alpine which executes this command "while true; do echo 'Hi I am from alpine'; sleep 5; done" and verify and follow the logs of the pod. kubectl run hello --image=alpine --restart=Never -- /bin/sh -c "while true; do echo 'Hi I am from Alpine'; sleep 5;done" kubectl logs --follow hello

141. Create the pod with this kubectl create -f

https://gist.githubusercontent.com/bbachi/212168375b39e36e2e2984c097167b00/raw/1fd63509c3ae3a3d3da844640fb4cca744543c1c/not-running.yml. The pod is not in the running state. Debug it.

kubectl create -f

https://gist.githubusercontent.com/bbachi/212168375b39e36e2e2984c097167b00/raw/1fd63509c3ae3a3d3da844640fb4cca744543c1c/not-running.yml

kubectl get pod not-running

kubectl describe pod not-running - ImagePullBackOff

kubectl set image pod/not-running not-running=nginx

142. This following yaml creates 4 namespaces and 4 pods. One of the pod in one of the namespaces are not in the running state. Debug and fix it.

https://gist.githubusercontent.com/bbachi/1f001f10337234d46806929d12245397/raw/84b7295fb077f15de979fec5b3f7a13fc69c6d83/problem-pod.yaml.

kubectl create -f

https://gist.githubusercontent.com/bbachi/1f001f10337234d46806929d12245397/raw/84b7295fb077f15de979fec5b3f7a13fc69c6d83/problem-pod.yaml

kubectl get po --all-namespaces

kubectl get po -n namespace2

kubectl set image pod/pod2 pod2=nginx -n namespace2

kubectl get po -n namespace2

143. Get the memory and CPU usage of all the pods and find out top 3 pods which have the highest usage and put them into the cpu-usage.txt file

kubectl top pod --all-namespaces | sort --reverse --key 3 --numeric | head -3 > cpu-usage.txt cat cpu-usage.txt

- 144. Create an nginx pod with a yaml file with label my-nginx and expose the port 80 kubectl run nginx --image=nginx --restart=Never --port=80 --dry-run -o yaml > Q144.yaml kubectl create -f Q144.yaml
- 145. Create the service for this nginx pod with the pod selector app: my-nginx kubectl create -f Q145.yaml

146. Find out the label of the pod and verify the service has the same label

```
kubectl get pod nginx --show-labels
kubectl get svc my-service -o wide
```

147. Delete the service and create the service with kubectl expose command and verify the label

```
kubectl delete svc my-service
kubectl expose po nginx --port=80 --target-port=9376
kubectl get svc -l app=my-nginx
```

148. Delete the service and create the service again with type NodePort

```
kubectl delete svc nginx
kubectl expose po nginx --port=80 --type=NodePort
```

149. Create the temporary busybox pod and hit the service. Verify the service that it should return the nginx page index.html.

```
kubectl get svc nginx -o wide
kubectl run busybox --image=busybox --restart=Never -it --rm -- wget -o- <Cluster IP>:80
```

150. Create a NetworkPolicy which denies all ingress traffic

```
apiVersion: networking.k8s.io/v1 kind: NetworkPolicy Metadata: name: default-deny spec:
```

podSelector: {}
policyTypes:
- Ingress