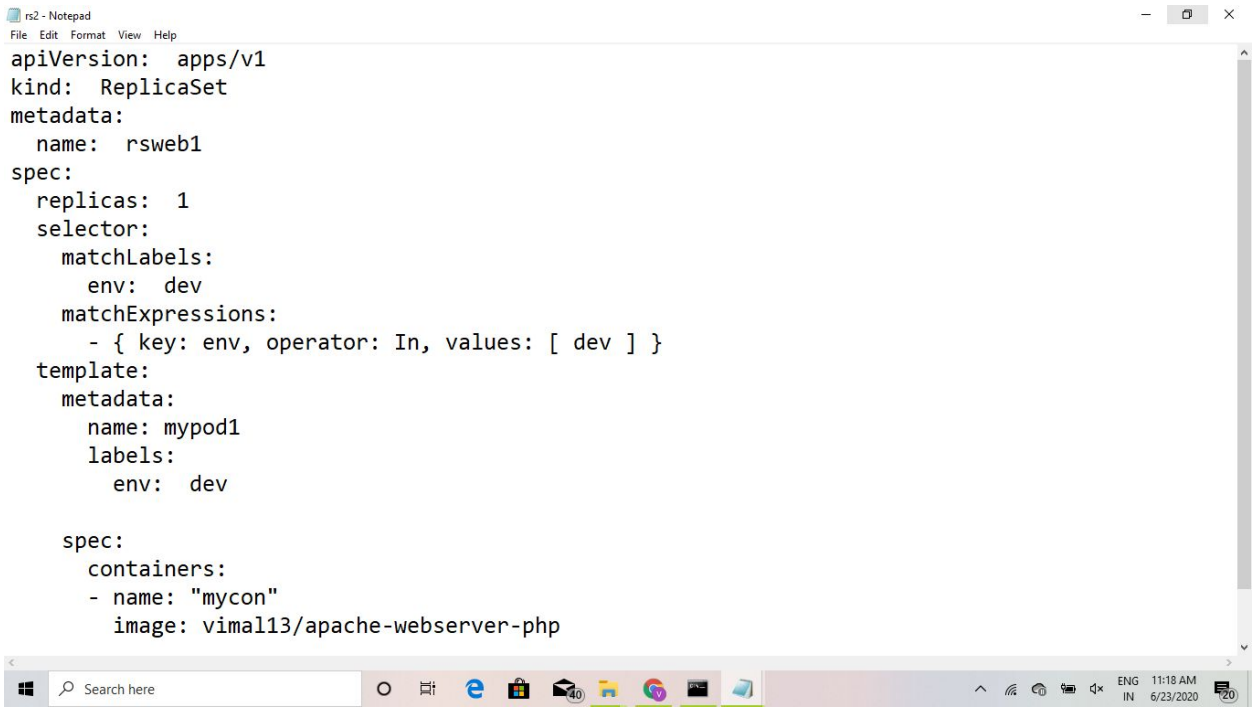
22nd june:



C:\Users\user\Desktop\kube_cloud>kubectl create -f rs2.yml
replicaset.apps/rsweb1 created

C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME READY STATUS RESTARTS AGE
rsweb1-cn78q 0/1 ContainerCreating 0 7s

C:\Users\user\Desktop\kube_cloud>kubectl exec -it rsweb1-cn78q -- bash
[root@rsweb1-cn78q /]# ls
anaconda-post.log boot etc lib lost+found mnt proc run srv tmp var
bin dev home lib64 media opt root sbin sys usr
[root@rsweb1-cn78q /]# rpm -q httpd
httpd-2.4.6-45.el7.centos.4.x86_64
[root@rsweb1-cn78q /]# cd /var/www/html
[root@rsweb1-cn78q html]# ls
index.php
[root@rsweb1-cn78q html]# cat > vishesh.html
hii hru??
[root@rsweb1-cn78q html]# exit
exit

C:\Users\user\Desktop\kube_cloud>kubectl delete pod rsweb1-cn78q
pod "rsweb1-cn78q" deleted

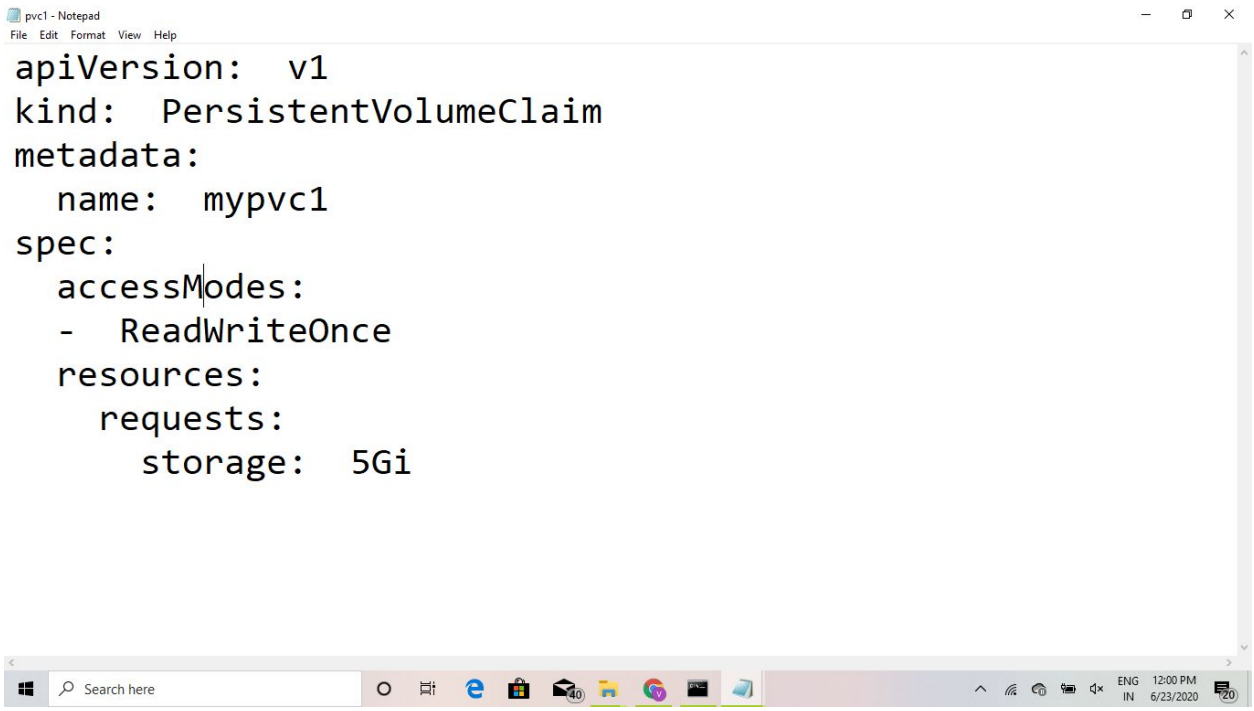
C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME READY STATUS RESTARTS AGE
rsweb1-br68t 1/1 Running 0 84s

C:\Users\user\Desktop\kube_cloud>kubectl exec -it rsweb1-br68t -- bash
[root@rsweb1-br68t /]# ls
anaconda-post.log boot etc lib lost+found mnt proc run srv tmp var
bin dev home lib64 media opt root sbin sys usr
[root@rsweb1-br68t /]# cd /var/www/html
[root@rsweb1-br68t html]# ls
index.php
[root@rsweb1-br68t html]#
C:\Users\user\Desktop\kube_cloud>kubectl delete all --all
pod "rsweb1-br68t" deleted
service "kubernetes" deleted
replicaset.apps "rsweb1" deleted

Storage is also knows as volume(persistentVolume)
request>pvc>pv>storage
Request is known as claim here (persistentvolumeclaim)
> centralised storage(cloud,efs,local,etc)
>pv depends on pvc
>pv contact to storage through interface
C:\Users\user\Desktop\kube_cloud>kubectl get all
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
service/kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 13m

C:\Users\user\Desktop\kube_cloud>kubectl get pvc
No resources found in default namespace.
Two types of pvc:
Static and dynamic
pvc is per folder
pod>pvc>pv>storage
for 20gib pvc u req exact amt of pv
Pre create pv is req
In dynamic world we dnt need the storage
Readwritable or read-only
C:\Users\user\Desktop\kube_cloud>kubectl get sc
NAME PROVISIONER RECLAIMPOLICY VOLUMEBINDINGMODE
ALLOWVOLUMEEXPANSION AGE
standard (default) k8s.io/minikube-hostpath Delete Immediate false
28d

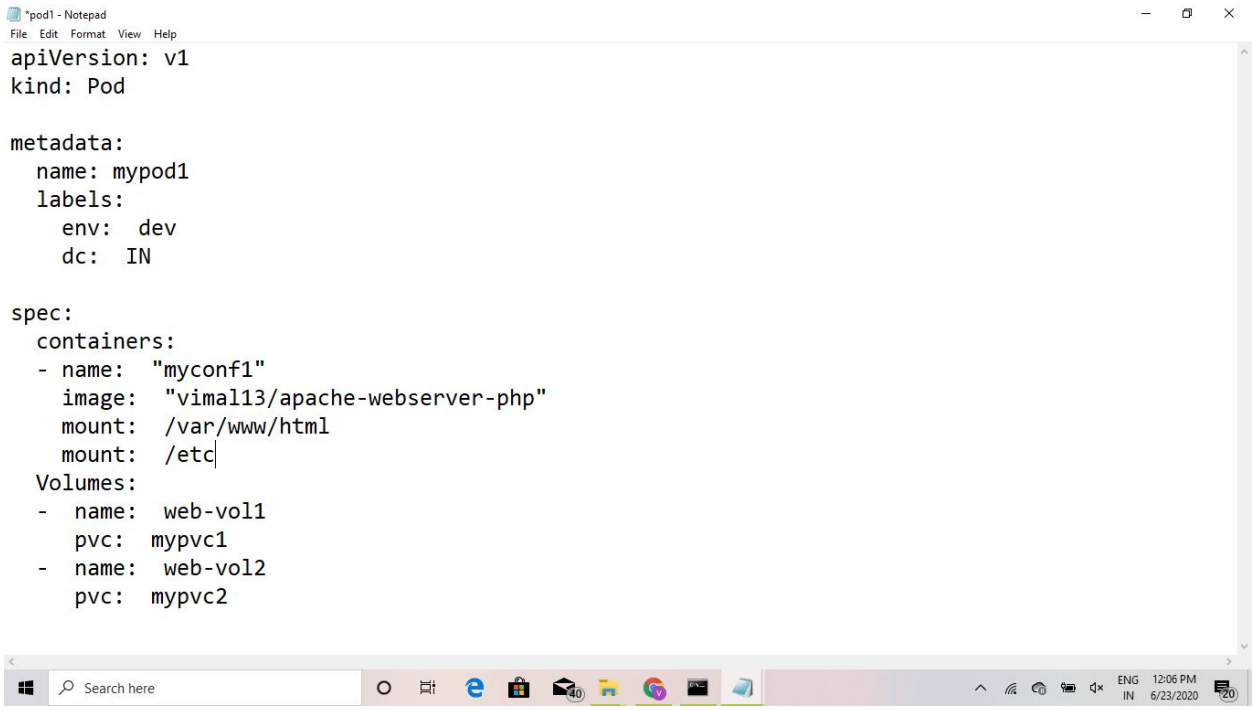
```
C:\Users\user\Desktop\kube_cloud>kubectl create -f  pod1.yml
pod/mypod1 created

C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME     READY   STATUS              RESTARTS   AGE
mypod1   0/1     ContainerCreating   0          4s

C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME     READY   STATUS              RESTARTS   AGE
mypod1   0/1     ContainerCreating   0          6s
```

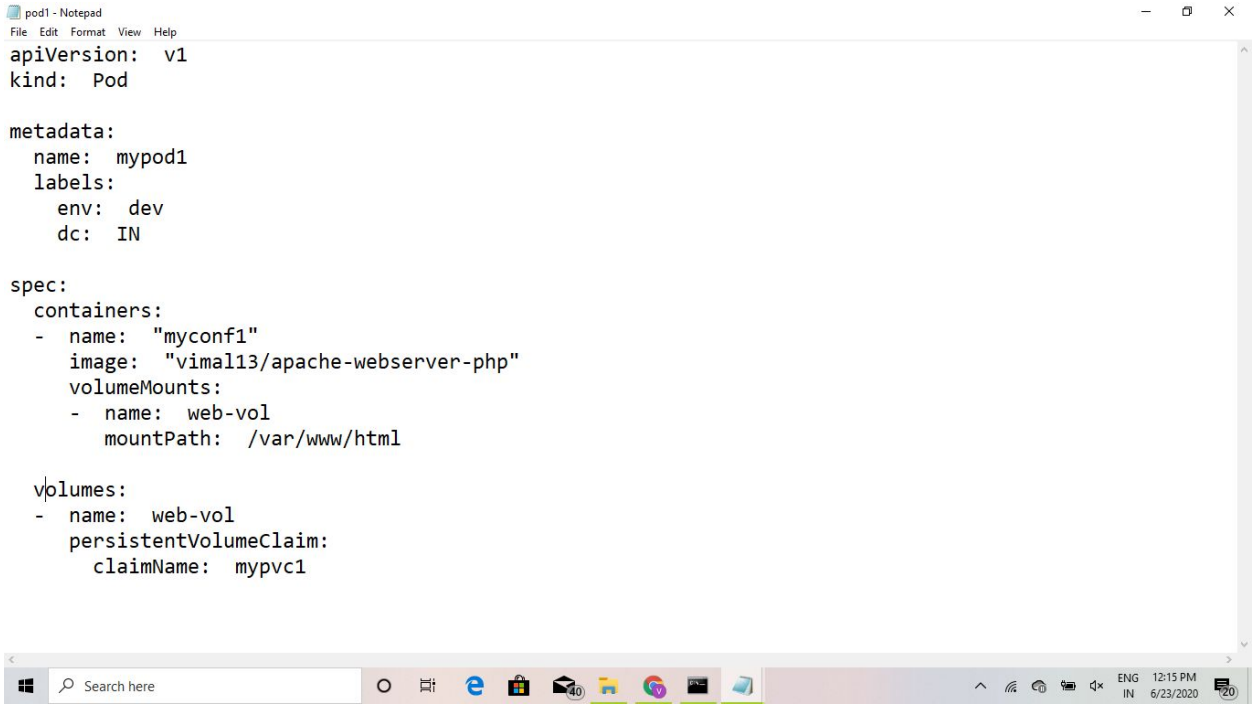



```
C:\Users\user\Desktop\kube_cloud>kubectl create -f pvc1.yml
error: error validating "pvc1.yml": error validating data:
ValidationError(PersistentVolumeClaim.spec): unknown field "accessmodes" in
io.k8s.api.core.v1.PersistentVolumeClaimSpec; if you choose to ignore these errors, turn
validation off with --validate=false
C:\Users\user\Desktop\kube_cloud>kubectl create --validate=false -f pvc1.yml
persistentvolumeclaim/mypvc1 created

C:\Users\user\Desktop\kube_cloud>kubectl get pvc
NAME     STATUS   VOLUME                                     CAPACITY   ACCESS MODES
STORAGECLASS   AGE
mypvc1   Bound    pvc-116ceea8-9a6f-43e6-8f33-13d55da85840   5Gi        RWO
standard       20s

C:\Users\user\Desktop\kube_cloud>kubectl get pv
```

```
NAME                                CAPACITY   ACCESS MODES   RECLAIM POLICY   STATUS
CLAIM           STORAGECLASS   REASON   AGE
pvc-116ceea8-9a6f-43e6-8f33-13d55da85840   5Gi        RWO            Delete           Bound
default/mypvc1   standard                26s
C:\Users\user\Desktop\kube_cloud>kubectl describe pv
Name:            pvc-116ceea8-9a6f-43e6-8f33-13d55da85840
Labels:          <none>
Annotations:     hostPathProvisionerIdentity: 8d7f3fe1-b513-11ea-b497-0800270abe14
                 pv.kubernetes.io/provisioned-by: k8s.io/minikube-hostpath
Finalizers:      [kubernetes.io/pv-protection]
StorageClass:    standard
Status:          Bound
Claim:           default/mypvc1
Reclaim Policy:  Delete
Access Modes:    RWO
VolumeMode:      Filesystem
Capacity:        5Gi
Node Affinity:   <none>
Message:
Source:
    Type:          HostPath (bare host directory volume)
    Path:          /tmp/hostpath-provisioner/pvc-116ceea8-9a6f-43e6-8f33-13d55da85840
    HostPathType:
Events:            <none>

C:\Users\user\Desktop\kube_cloud>kubectl describe pvc
Name:          mypvc1
Namespace:     default
StorageClass:  standard
Status:        Bound
Volume:        pvc-116ceea8-9a6f-43e6-8f33-13d55da85840
Labels:        <none>
Annotations:   control-plane.alpha.kubernetes.io/leader:

{"holderIdentity":"8d7f4068-b513-11ea-b497-0800270abe14","leaseDurationSeconds":15,"acqui
reTime":"2020-06-23T06:30:36Z","renewTime":"2020-...
               pv.kubernetes.io/bind-completed: yes
               pv.kubernetes.io/bound-by-controller: yes
               volume.beta.kubernetes.io/storage-provisioner: k8s.io/minikube-hostpath
Finalizers:    [kubernetes.io/pvc-protection]
Capacity:      5Gi
Access Modes:  RWO
VolumeMode:    Filesystem
```

Mounted By: <none>
Events:
  Type Reason Age From Message
  ---- ------ ---- ---- -------
  Normal ExternalProvisioning 87s (x2 over 87s) persistentvolume-controller waiting for a volume to be created, either by external provisioner "k8s.io/minikube-hostpath" or manually created by system administrator
  Normal Provisioning 87s k8s.io/minikube-hostpath 8d7f4068-b513-11ea-b497-0800270abe14 External provisioner is provisioning volume for claim "default/mypvc1"
  Normal ProvisioningSucceeded 87s k8s.io/minikube-hostpath 8d7f4068-b513-11ea-b497-0800270abe14 Successfully provisioned volume pvc-116ceea8-9a6f-43e6-8f33-13d55da85840



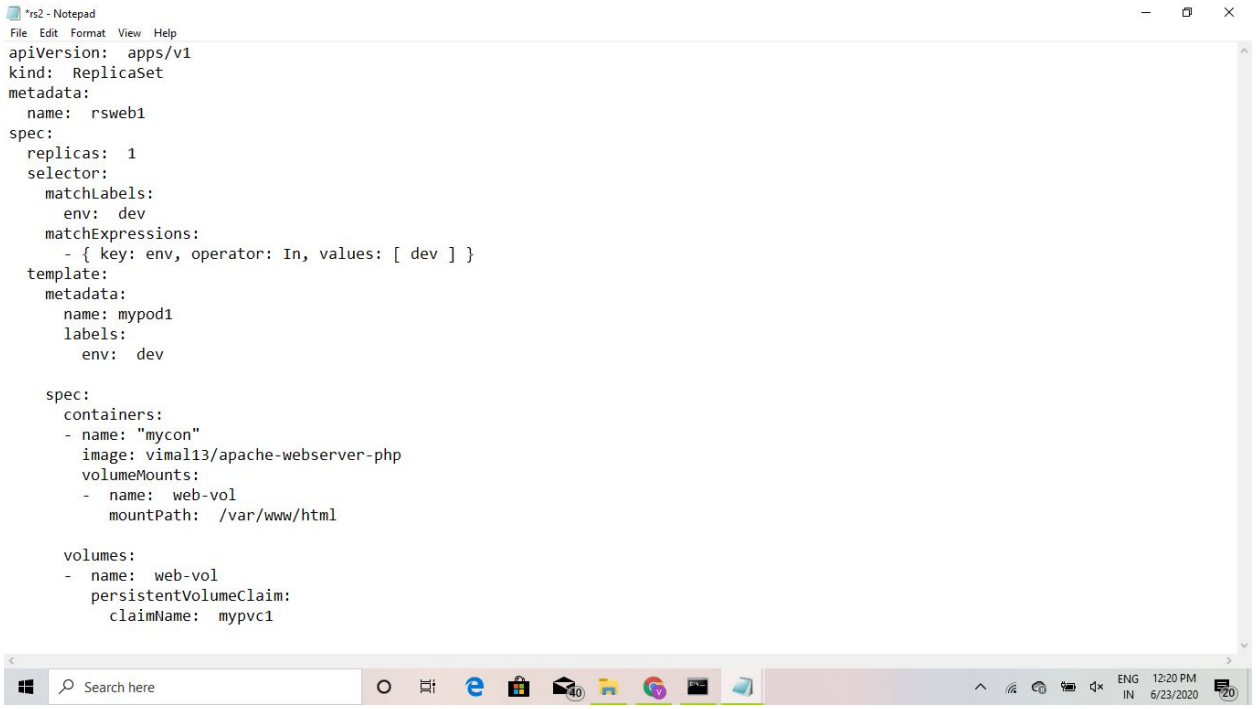



```
C:\Users\user\Desktop\kube_cloud>kubectl create --validate=false -f pod1.yml
pod/mypod1 created

C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME     READY   STATUS    RESTARTS   AGE
mypod1   1/1     Running   0          29s
```

```
C:\Users\user\Desktop\kube_cloud>kubectl get pods/mypod1
NAME     READY   STATUS    RESTARTS   AGE
mypod1   1/1     Running   0          41s

C:\Users\user\Desktop\kube_cloud>kubectl describe pods/mypod1
Name:         mypod1
Namespace:    default
Priority:     0
Node:         minikube/192.168.99.100
Start Time:   Tue, 23 Jun 2020 12:15:33 +0530
Labels:       dc=IN
              env=dev
Annotations:  <none>
Status:       Running
IP:           172.17.0.2
IPs:
  IP:  172.17.0.2
Containers:
  myconf1:
    Container ID:
docker://d66e17414ce4d43e9b8389c5c7d205b6742c59db29eca2640c49fe8b2fe46364
    Image:          vimal13/apache-webserver-php
    Image ID:
docker-pullable://vimal13/apache-webserver-php@sha256:faed0a5afaf9f04b6915d73f7247f6f5a
71db9274ca44118d38f4601c0080a91
    Port:           <none>
    Host Port:      <none>
    State:          Running
      Started:      Tue, 23 Jun 2020 12:15:39 +0530
    Ready:          True
    Restart Count:  0
    Environment:    <none>
    Mounts:
      /var/run/secrets/kubernetes.io/serviceaccount from default-token-8llwm (ro)
      /var/www/html from web-vol (rw)
Conditions:
  Type              Status
  Initialized       True
  Ready             True
  ContainersReady   True
  PodScheduled      True
Volumes:
  web-vol:
```

```
    Type:       PersistentVolumeClaim (a reference to a PersistentVolumeClaim in the same
namespace)
    ClaimName:  mypvc1
    ReadOnly:   false
  default-token-8llwm:
    Type:       Secret (a volume populated by a Secret)
    SecretName:  default-token-8llwm
    Optional:    false
QoS Class:       BestEffort
Node-Selectors:  <none>
Tolerations:     node.kubernetes.io/not-ready:NoExecute for 300s
                 node.kubernetes.io/unreachable:NoExecute for 300s
Events:
  Type    Reason     Age   From               Message
  ----    ------     ----  ----               -------
  Normal  Scheduled  51s   default-scheduler  Successfully assigned default/mypod1 to
minikube
  Normal  Pulling    50s   kubelet, minikube  Pulling image "vimal13/apache-webserver-php"
  Normal  Pulled     45s   kubelet, minikube  Successfully pulled image
"vimal13/apache-webserver-php"
  Normal  Created    45s   kubelet, minikube  Created container myconf1
  Normal  Started    44s   kubelet, minikube  Started container myconf1

C:\Users\user\Desktop\kube_cloud>kubectl exec -it mypod1 -- bash
[root@mypod1 /]# cd /var/www/html
[root@mypod1 html]# ls
[root@mypod1 html]# ls
[root@mypod1 html]# cat > vishesh.html
hii vishesh here
[root@mypod1 html]# ls
vishesh.html
[root@mypod1 html]# exit
exit

C:\Users\user\Desktop\kube_cloud>kubectl delete pods --all
pod "mypod1" deleted

C:\Users\user\Desktop\kube_cloud>kubectl get pods
No resources found in default namespace.

C:\Users\user\Desktop\kube_cloud>kubectl create --validate=false -f pod1.yml
pod/mypod1 created
```

```
C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME     READY   STATUS              RESTARTS   AGE
mypod1   0/1     ContainerCreating   0          2s

C:\Users\user\Desktop\kube_cloud>kubectl exec -it mypod1 -- bash
[root@mypod1 /]# ls
anaconda-post.log  boot  etc   lib    lost+found  mnt  proc  run   srv  tmp  var
bin                dev   home  lib64  media       opt  root  sbin  sys  usr
[root@mypod1 /]# cd /var/www/html
[root@mypod1 html]# ls
vishesh.html
```

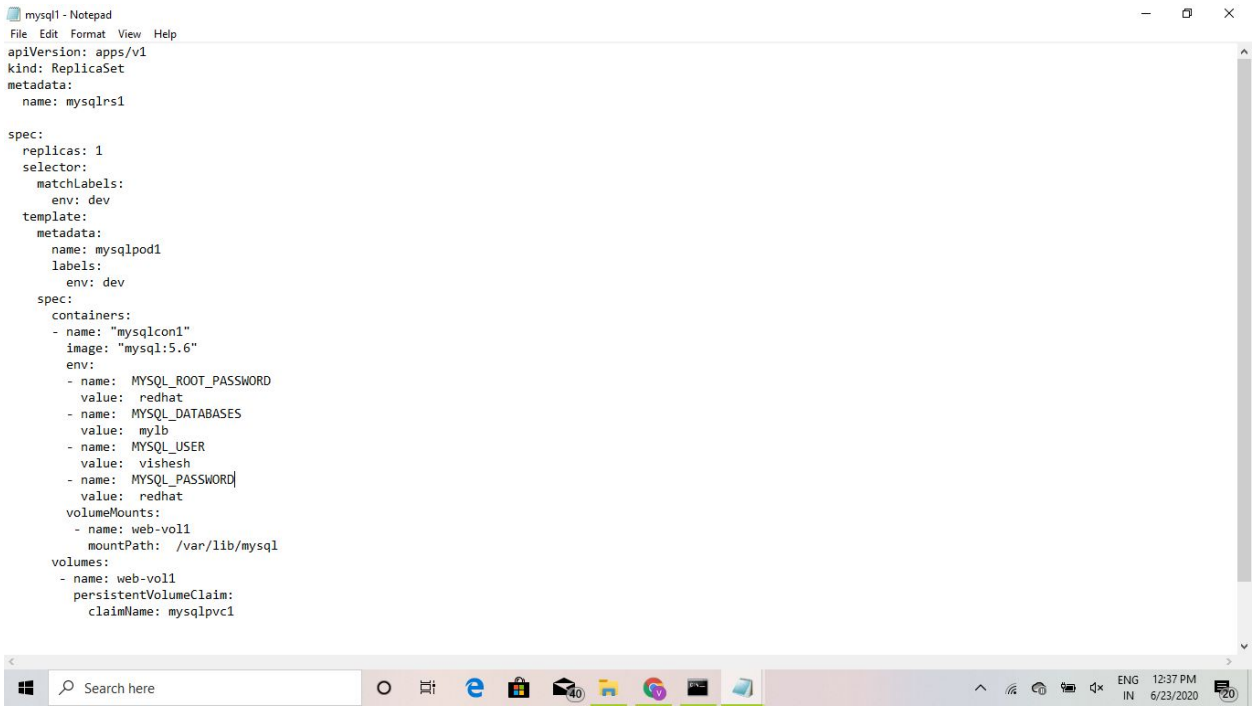



```
C:\Users\user\Desktop\kube_cloud>kubectl delete all --all
pod "mypod1" deleted
service "kubernetes" deleted

C:\Users\user\Desktop\kube_cloud>kubectl create -f rs2.yml
replicaset.apps/rsweb1 created

C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME           READY   STATUS              RESTARTS   AGE
rsweb1-xpk7d   0/1     ContainerCreating   0          6s

C:\Users\user\Desktop\kube_cloud>kubectl describe pods/rsweb1-xpk7d
Name:         rsweb1-xpk7d
Namespace:    default
```

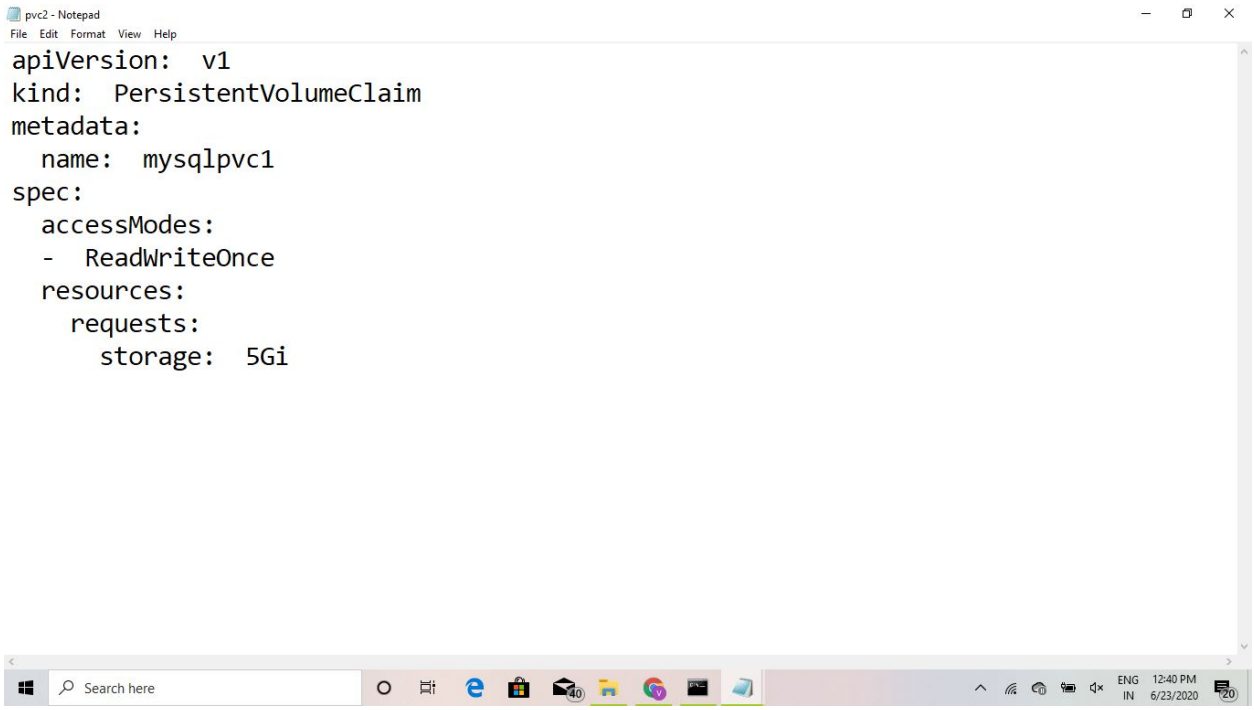
```
Priority:     0
Node:         minikube/192.168.99.100
Start Time:   Tue, 23 Jun 2020 12:21:49 +0530
Labels:       env=dev
Annotations:  <none>
Status:       Running
IP:           172.17.0.2
IPs:
  IP:           172.17.0.2
Controlled By:  ReplicaSet/rsweb1
Containers:
  mycon:
    Container ID:
docker://ed796d238e4a6d3f54480e9833f3a6d7c77e5b766dc4cebb3e9f2e18d174e9e2
    Image:          vimal13/apache-webserver-php
    Image ID:
docker-pullable://vimal13/apache-webserver-php@sha256:faed0a5afaf9f04b6915d73f7247f6f5a
71db9274ca44118d38f4601c0080a91
    Port:           <none>
    Host Port:      <none>
    State:          Running
      Started:      Tue, 23 Jun 2020 12:21:55 +0530
    Ready:          True
    Restart Count:  0
    Environment:    <none>
    Mounts:
      /var/run/secrets/kubernetes.io/serviceaccount from default-token-8llwm (ro)
      /var/www/html from web-vol (rw)
Conditions:
  Type              Status
  Initialized       True
  Ready             True
  ContainersReady   True
  PodScheduled      True
Volumes:
  web-vol:
    Type:       PersistentVolumeClaim (a reference to a PersistentVolumeClaim in the same
namespace)
    ClaimName:  mypvc1
    ReadOnly:   false
  default-token-8llwm:
    Type:        Secret (a volume populated by a Secret)
    SecretName:  default-token-8llwm
```

```
    Optional:    false
QoS Class:       BestEffort
Node-Selectors:  <none>
Tolerations:     node.kubernetes.io/not-ready:NoExecute for 300s
                 node.kubernetes.io/unreachable:NoExecute for 300s
Events:
  Type    Reason     Age   From               Message
  ----    ------     ----  ----               -------
  Normal  Scheduled  32s   default-scheduler  Successfully assigned default/rsweb1-xpk7d to
minikube
  Normal  Pulling    31s   kubelet, minikube  Pulling image "vimal13/apache-webserver-php"
  Normal  Pulled     26s   kubelet, minikube  Successfully pulled image
"vimal13/apache-webserver-php"
  Normal  Created    26s   kubelet, minikube  Created container mycon
  Normal  Started    26s   kubelet, minikube  Started container mycon
C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME          READY   STATUS    RESTARTS   AGE
rsweb1-xpk7d   1/1     Running   0          97s

C:\Users\user\Desktop\kube_cloud>kubectl exec -it rsweb1-xpk7d -- bash
[root@rsweb1-xpk7d /]# ls
anaconda-post.log  boot  etc   lib    lost+found  mnt  proc  run   srv  tmp  var
bin                dev   home  lib64  media       opt  root  sbin  sys  usr
[root@rsweb1-xpk7d /]# cd  /var/www/html
[root@rsweb1-xpk7d html]# ls
vishesh.html
[root@rsweb1-xpk7d html]# cat vishesh.html
hii vishesh here
[root@rsweb1-xpk7d html]# cat > db.html
final dem0!!
[root@rsweb1-xpk7d html]# exitt
bash: exitt: command not found
[root@rsweb1-xpk7d html]# exit
exit
command terminated with exit code 127

C:\Users\user\Desktop\kube_cloud>kubectl expose pod rsweb1-xpk7d --type=NodePort --port
80
service/rsweb1-xpk7d exposed

C:\Users\user\Desktop\kube_cloud>kubectl get all
NAME              READY   STATUS    RESTARTS   AGE
pod/rsweb1-xpk7d   1/1     Running   0          3m17s
```

```
NAME                 TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)        AGE
service/kubernetes   ClusterIP   10.96.0.1       <none>        443/TCP        3m28s
service/rsweb1-xpk7d   NodePort    10.108.165.77   <none>        80:30566/TCP   4s

NAME                  DESIRED   CURRENT   READY   AGE
replicaset.apps/rsweb1   1         1         1       3m17s

C:\Users\user\Desktop\kube_cloud>kubectl delete pods/rsweb1-xpk7d
pod "rsweb1-xpk7d" deleted

C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME          READY   STATUS    RESTARTS   AGE
rsweb1-v6gz9   1/1     Running   0          20s

C:\Users\user\Desktop\kube_cloud>kubectl get all
NAME              READY   STATUS    RESTARTS   AGE
pod/rsweb1-v6gz9   1/1     Running   0          27s

NAME                 TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)        AGE
service/kubernetes   ClusterIP   10.96.0.1       <none>        443/TCP        4m10s
service/rsweb1-xpk7d   NodePort    10.108.165.77   <none>        80:30566/TCP   46s

NAME                  DESIRED   CURRENT   READY   AGE
replicaset.apps/rsweb1   1         1         1       3m59s

C:\Users\user\Desktop\kube_cloud>kubectl exec -it rsweb1-v6gz9 -- bash
[root@rsweb1-v6gz9 /]# ls
anaconda-post.log  boot  etc   lib    lost+found  mnt  proc  run   srv  tmp  var
bin                dev   home  lib64  media       opt  root  sbin  sys  usr
[root@rsweb1-v6gz9 /]# cd /var/www/html
[root@rsweb1-v6gz9 html]# ls
db.html  vishesh.html
[root@rsweb1-v6gz9 html]# cat db.html
final dem0!!
[root@rsweb1-v6gz9 html]#
```




```
C:\Users\user\Desktop\kube_cloud>kubectl create -f mysql1.yml
replicaset.apps/mysqlrs1 created

C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME            READY   STATUS    RESTARTS   AGE
mysqlrs1-bvcxj  0/1     Pending   0          4s
rsweb1-v6gz9    1/1     Running   0          12m
```




```
C:\Users\user\Desktop\kube_cloud>kubectl describe pods mysqlrs1-bvcxj
Name:           mysqlrs1-bvcxj
Namespace:      default
Priority:       0
Node:           <none>
Labels:         env=dev
Annotations:    <none>
Status:         Pending
IP:
IPs:            <none>
Controlled By:  ReplicaSet/mysqlrs1
Containers:
  mysqlcon1:
    Image:      mysql:5.6
    Port:       <none>
    Host Port:  <none>
    Environment:
      MYSQL_ROOT_PASSWORD:  redhat
      MYSQL_DATABASES:      mylb
      MYSQL_USER:           vishesh
      MYSQL_PASSWORD:       redhat
    Mounts:
      /var/lib/mysql from web-vol1 (rw)
      /var/run/secrets/kubernetes.io/serviceaccount from default-token-8llwm (ro)
Conditions:
```

```
  Type           Status
  PodScheduled   False
Volumes:
  web-vol1:
    Type:       PersistentVolumeClaim (a reference to a PersistentVolumeClaim in the same
namespace)
    ClaimName:  mysqlpvc1
    ReadOnly:   false
  default-token-8llwm:
    Type:       Secret (a volume populated by a Secret)
    SecretName:  default-token-8llwm
    Optional:    false
QoS Class:       BestEffort
Node-Selectors:  <none>
Tolerations:     node.kubernetes.io/not-ready:NoExecute for 300s
                 node.kubernetes.io/unreachable:NoExecute for 300s
Events:
  Type     Reason            Age               From               Message
  ----     ------            ----              ----               -------
  Warning  FailedScheduling  58s (x2 over 58s)  default-scheduler  persistentvolumeclaim
"mysqlpvc1" not found

C:\Users\user\Desktop\kube_cloud>kubectl create -f pvc2.yml
persistentvolumeclaim/mysqlpvc1 created

C:\Users\user\Desktop\kube_cloud>kubectl describe pods mysqlrs1-bvcxj
Name:           mysqlrs1-bvcxj
Namespace:      default
Priority:       0
Node:           <none>
Labels:         env=dev
Annotations:    <none>
Status:         Pending
IP:
IPs:            <none>
Controlled By:  ReplicaSet/mysqlrs1
Containers:
  mysqlcon1:
    Image:      mysql:5.6
    Port:       <none>
    Host Port:  <none>
    Environment:
      MYSQL_ROOT_PASSWORD:  redhat
```

```
      MYSQL_DATABASES:      mylb
      MYSQL_USER:           vishesh
      MYSQL_PASSWORD:       redhat
    Mounts:
      /var/lib/mysql from web-vol1 (rw)
      /var/run/secrets/kubernetes.io/serviceaccount from default-token-8llwm (ro)
Conditions:
  Type           Status
  PodScheduled   False
Volumes:
  web-vol1:
    Type:       PersistentVolumeClaim (a reference to a PersistentVolumeClaim in the same
namespace)
    ClaimName:  mysqlpvc1
    ReadOnly:   false
  default-token-8llwm:
    Type:       Secret (a volume populated by a Secret)
    SecretName:  default-token-8llwm
    Optional:    false
QoS Class:       BestEffort
Node-Selectors:  <none>
Tolerations:     node.kubernetes.io/not-ready:NoExecute for 300s
                 node.kubernetes.io/unreachable:NoExecute for 300s
Events:
  Type     Reason            Age                From               Message
  ----     ------            ----               ----               -------
  Warning  FailedScheduling  60s (x3 over 2m9s)  default-scheduler  persistentvolumeclaim
"mysqlpvc1" not found
  Warning  FailedScheduling  2s                 default-scheduler  running "VolumeBinding" filter
plugin for pod "mysqlrs1-bvcxj": error getting PVC "default/mysqlpvc1": could not find
v1.PersistentVolumeClaim "default/mysqlpvc1"
  Warning  FailedScheduling  2s (x2 over 2s)     default-scheduler  running "VolumeBinding" filter
plugin for pod "mysqlrs1-bvcxj": pod has unbound immediate PersistentVolumeClaims

C:\Users\user\Desktop\kube_cloud>kubectl describe pods mysqlrs1-bvcxj
Name:         mysqlrs1-bvcxj
Namespace:    default
Priority:     0
Node:         minikube/192.168.99.100
Start Time:   Tue, 23 Jun 2020 12:39:54 +0530
Labels:       env=dev
Annotations:  <none>
Status:       Running
```

```
IP:           172.17.0.7
IPs:
  IP:           172.17.0.7
Controlled By:  ReplicaSet/mysqlrs1
Containers:
  mysqlcon1:
    Container ID:
docker://2ddb5088383d2a500f5e1321a8df18bb8efe0a37ec2045947f14e3bba03af4e2
    Image:          mysql:5.6
    Image ID:
docker-pullable://mysql@sha256:2bf1a0a05a6ad437dcac6689e48a9c33774ac92c6213fce2c41
96343210592f3
    Port:           <none>
    Host Port:      <none>
    State:          Running
      Started:      Tue, 23 Jun 2020 12:39:56 +0530
    Ready:          True
    Restart Count:  0
    Environment:
      MYSQL_ROOT_PASSWORD:  redhat
      MYSQL_DATABASES:      mylb
      MYSQL_USER:           vishesh
      MYSQL_PASSWORD:       redhat
    Mounts:
      /var/lib/mysql from web-vol1 (rw)
      /var/run/secrets/kubernetes.io/serviceaccount from default-token-8llwm (ro)
Conditions:
  Type              Status
  Initialized       True
  Ready             True
  ContainersReady   True
  PodScheduled      True
Volumes:
  web-vol1:
    Type:       PersistentVolumeClaim (a reference to a PersistentVolumeClaim in the same
namespace)
    ClaimName:  mysqlpvc1
    ReadOnly:   false
  default-token-8llwm:
    Type:        Secret (a volume populated by a Secret)
    SecretName:  default-token-8llwm
    Optional:    false
QoS Class:       BestEffort
```

```
Node-Selectors:  <none>
Tolerations:     node.kubernetes.io/not-ready:NoExecute for 300s
                 node.kubernetes.io/unreachable:NoExecute for 300s
Events:
  Type     Reason            Age                From               Message
  ----     ------            ----               ----               -------
  Warning  FailedScheduling  89s (x3 over 2m38s)  default-scheduler  persistentvolumeclaim
"mysqlpvc1" not found
  Warning  FailedScheduling  31s                default-scheduler  running "VolumeBinding" filter
plugin for pod "mysqlrs1-bvcxj": error getting PVC "default/mysqlpvc1": could not find
v1.PersistentVolumeClaim "default/mysqlpvc1"
  Warning  FailedScheduling  31s (x2 over 31s)    default-scheduler  running "VolumeBinding"
filter plugin for pod "mysqlrs1-bvcxj": pod has unbound immediate PersistentVolumeClaims
  Normal   Scheduled         21s                default-scheduler  Successfully assigned
default/mysqlrs1-bvcxj to minikube
  Normal   Pulled            20s                kubelet, minikube  Container image "mysql:5.6" already
present on machine
  Normal   Created           20s                kubelet, minikube  Created container mysqlcon1
  Normal   Started           19s                kubelet, minikube  Started container mysqlcon1
C:\Users\user\Desktop\kube_cloud>kubectl get rs
NAME      DESIRED   CURRENT   READY   AGE
mysqlrs1  1         1         1       3m50s
rsweb1    1         1         1       19m

C:\Users\user\Desktop\kube_cloud>kubectl delete rs mysqlrs1
replicaset.apps "mysqlrs1" deleted

C:\Users\user\Desktop\kube_cloud>kubectl create -f mysql1.yml
replicaset.apps/mysqlrs1 created
C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME            READY   STATUS    RESTARTS   AGE
mysqlrs1-hd9kb  1/1     Running   0          3m32s

C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME            READY   STATUS    RESTARTS   AGE
mysqlrs1-hd9kb  1/1     Running   0          11m

C:\Users\user\Desktop\kube_cloud>kubectl exec -it mysqlrs1-hd9kb -- bash
root@mysqlrs1-hd9kb:/# mysql -u vishesh -predhat
Warning: Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 3
Server version: 5.6.48 MySQL Community Server (GPL)
```

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
+--------------------+
1 row in set (0.00 sec)

mysql> create table students (id int(5),name varchar(255));
ERROR 1046 (3D000): No database selected
mysql> use information_schema
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> create table students (id int(5),name varchar(255));
ERROR 1044 (42000): Access denied for user 'vishesh'@'%' to database 'information_schema'
mysql> use information_schema;
Database changed
mysql> create table students (id int(5),name varchar(255));
ERROR 1044 (42000): Access denied for user 'vishesh'@'%' to database 'information_schema'
mysql> exit
Bye
root@mysqlrs1-hd9kb:/# mysql -u root -predhat
Warning: Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 4
Server version: 5.6.48 MySQL Community Server (GPL)
```

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
+--------------------+
3 rows in set (0.01 sec)

mysql> use mysql;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> create table students (id int(5),name varchar(255));
Query OK, 0 rows affected (0.05 sec)
mysql> create database mylb;
Query OK, 1 row affected (0.01 sec)

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mylb               |
| mysql              |
| performance_schema |
+--------------------+
4 rows in set (0.00 sec)
mysql> insert into students (id,name) values (1,'vishesh');
Query OK, 1 row affected (0.03 sec)

mysql> insert into students (id,name) values (2,'eric');
Query OK, 1 row affected (0.00 sec)

mysql> select * from students;
+------+---------+
| id   | name    |
+------+---------+
```

```
|    1 | vishesh |
|    2 | eric    |
+------+---------+
2 rows in set (0.02 sec)
C:\Users\user\Desktop\kube_cloud>kubectl exec -it mysqlrs1-295qd -- bash
root@mysqlrs1-295qd:/# mysql -u root -predhat
Warning: Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.6.48 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> select * from mysql.students;
+------+---------+
| id   | name    |
+------+---------+
|    1 | vishesh |
|    2 | eric    |
+------+---------+
2 rows in set (0.01 sec)
```
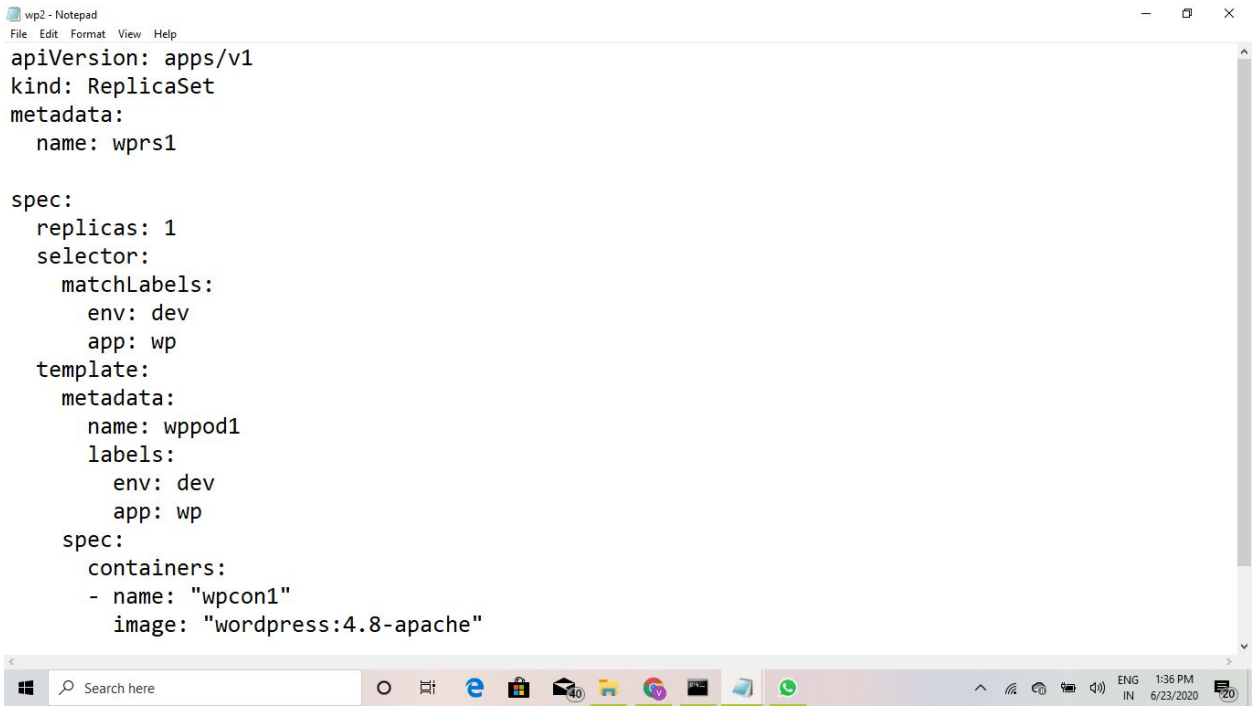
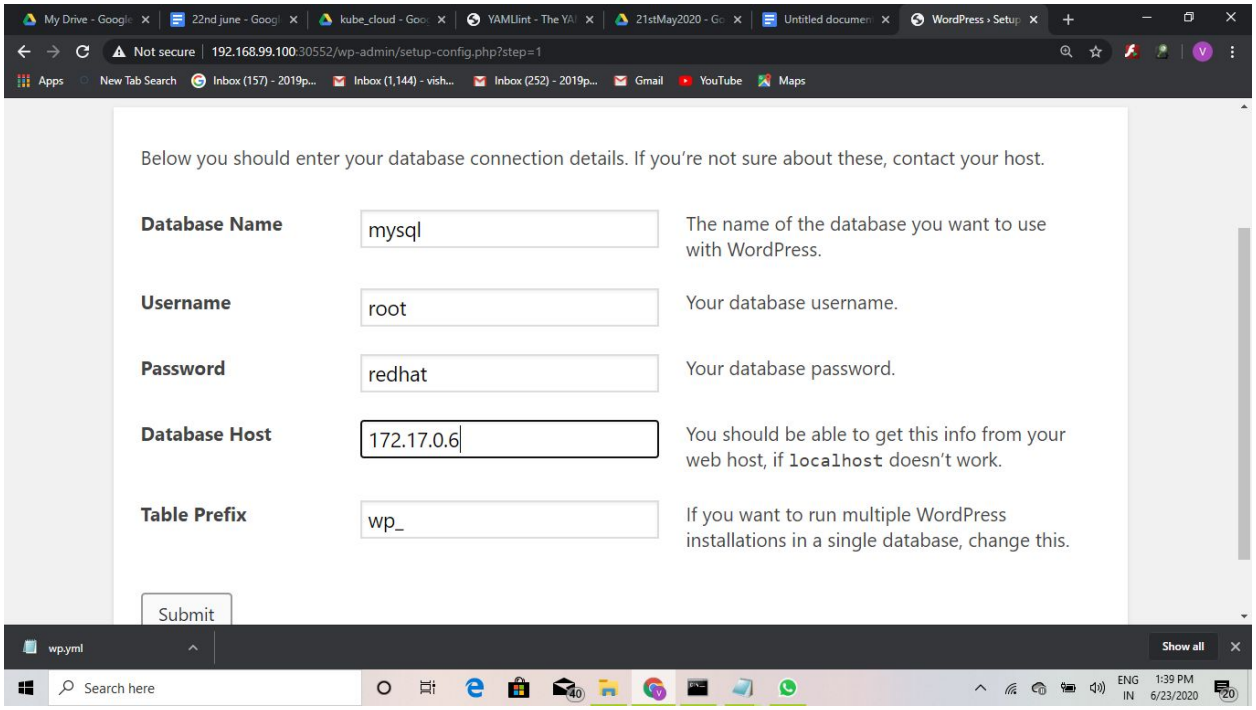
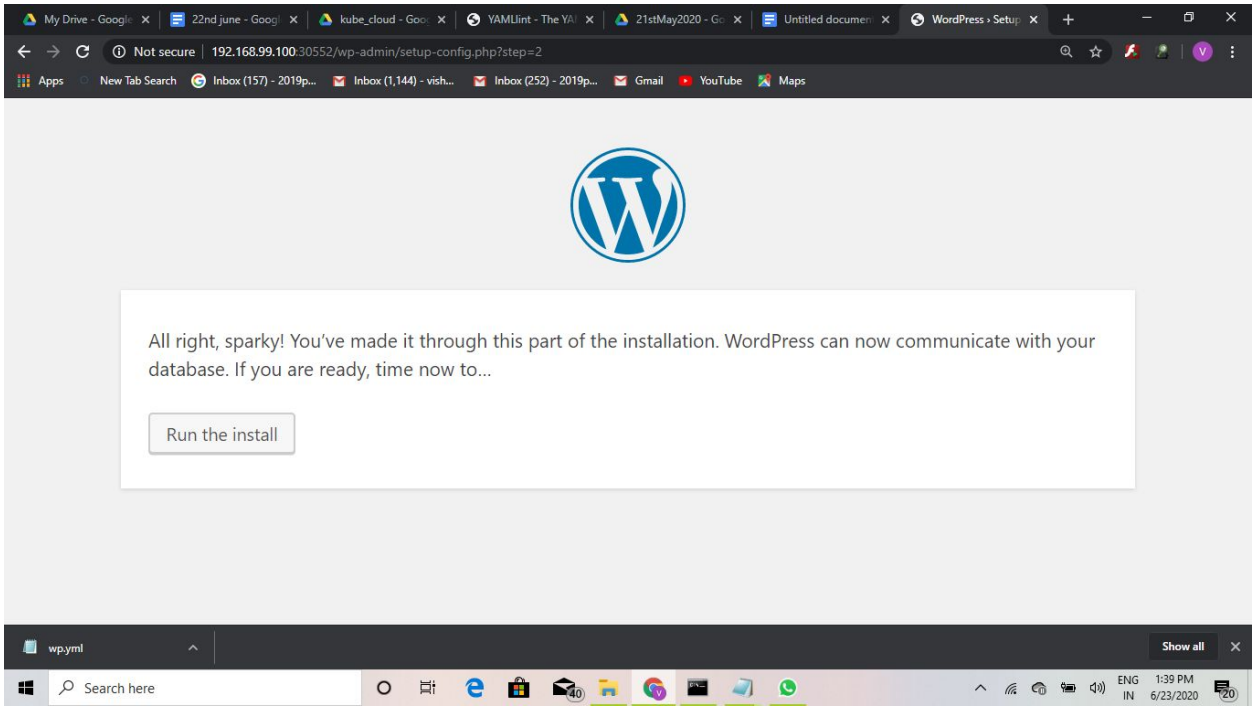
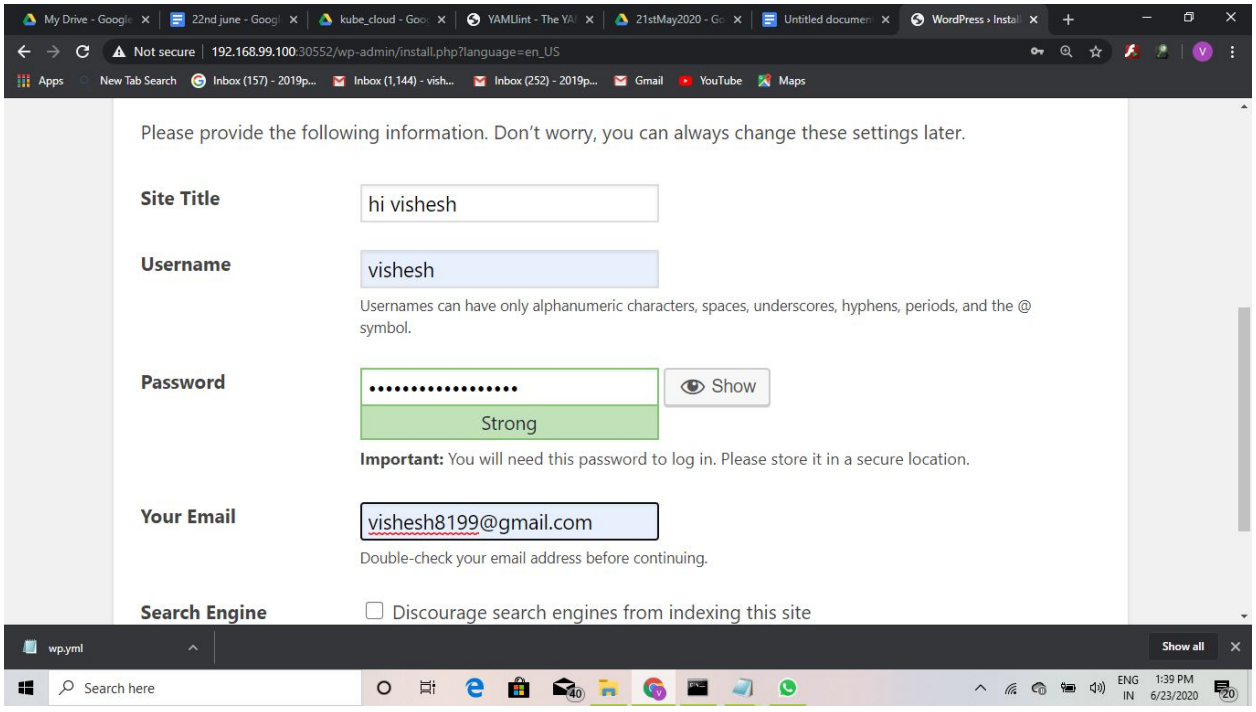
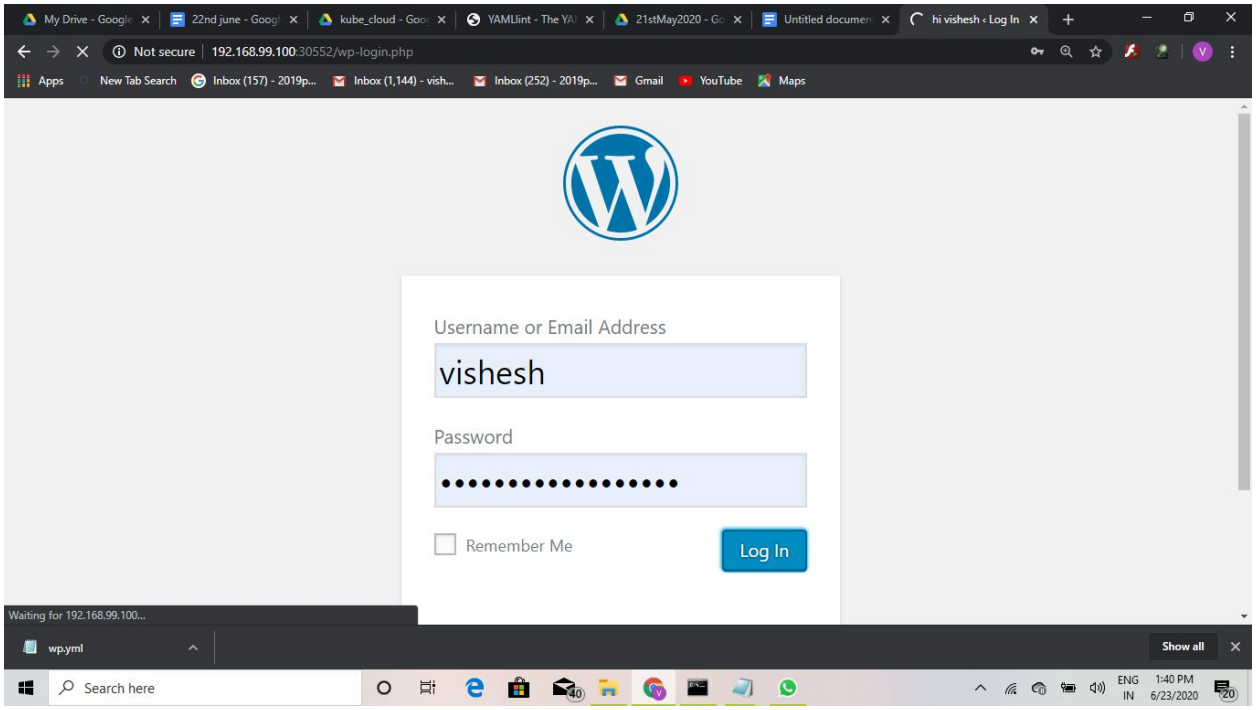



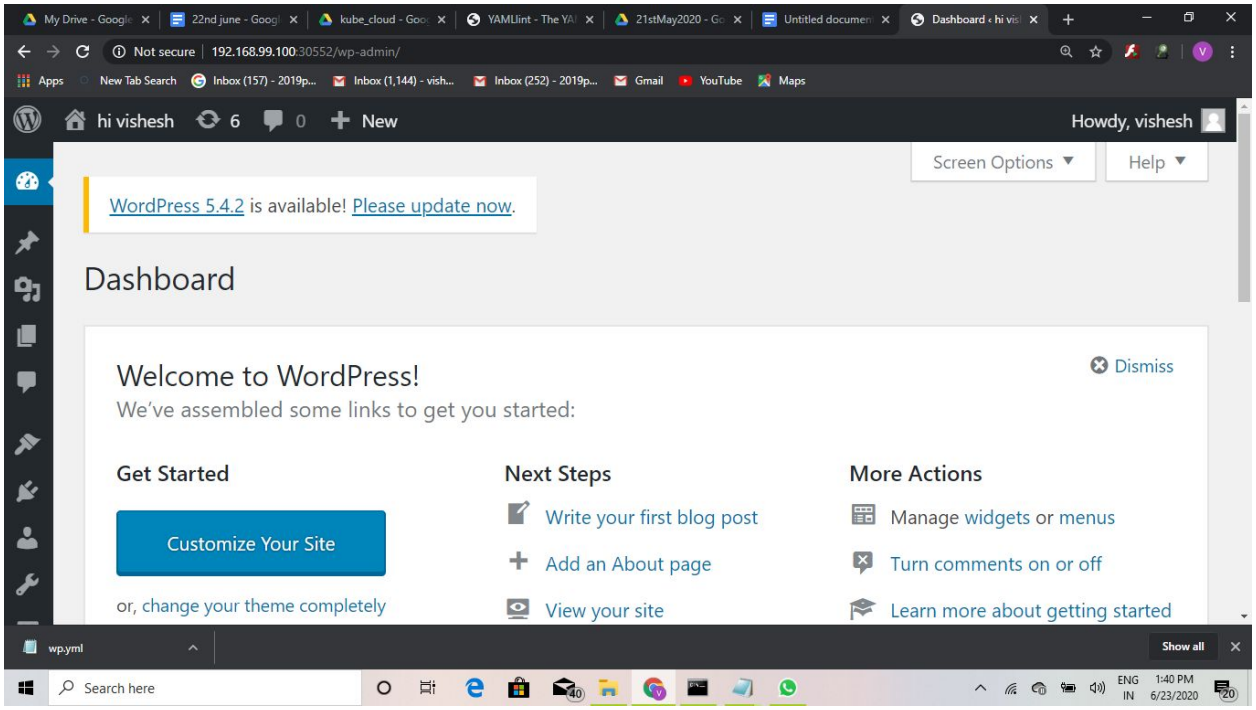

```
C:\Users\user\Desktop\kube_cloud>kubectl create -f wp2.yml
replicaset.apps/wprs1 created

C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME           READY   STATUS              RESTARTS   AGE
mysqlrs1-295qd   1/1     Running             0          6m21s
wprs1-4gkkw      0/1     ContainerCreating   0          1s

C:\Users\user\Desktop\kube_cloud>kubectl get rs
NAME       DESIRED   CURRENT   READY   AGE
mysqlrs1   1         1         1       26m
wprs1      1         1         1       8s

C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME           READY   STATUS    RESTARTS   AGE
mysqlrs1-295qd   1/1     Running   0          6m30s
wprs1-4gkkw      1/1     Running   0          10s
C:\Users\user\Desktop\kube_cloud>kubectl expose rs wprs1 --type=NodePort --port 80
service/wprs1 exposed

C:\Users\user\Desktop\kube_cloud>kubectl get all
NAME               READY   STATUS    RESTARTS   AGE
pod/mysqlrs1-295qd   1/1     Running   0          6m50s
pod/wprs1-4gkkw      1/1     Running   0          30s
```

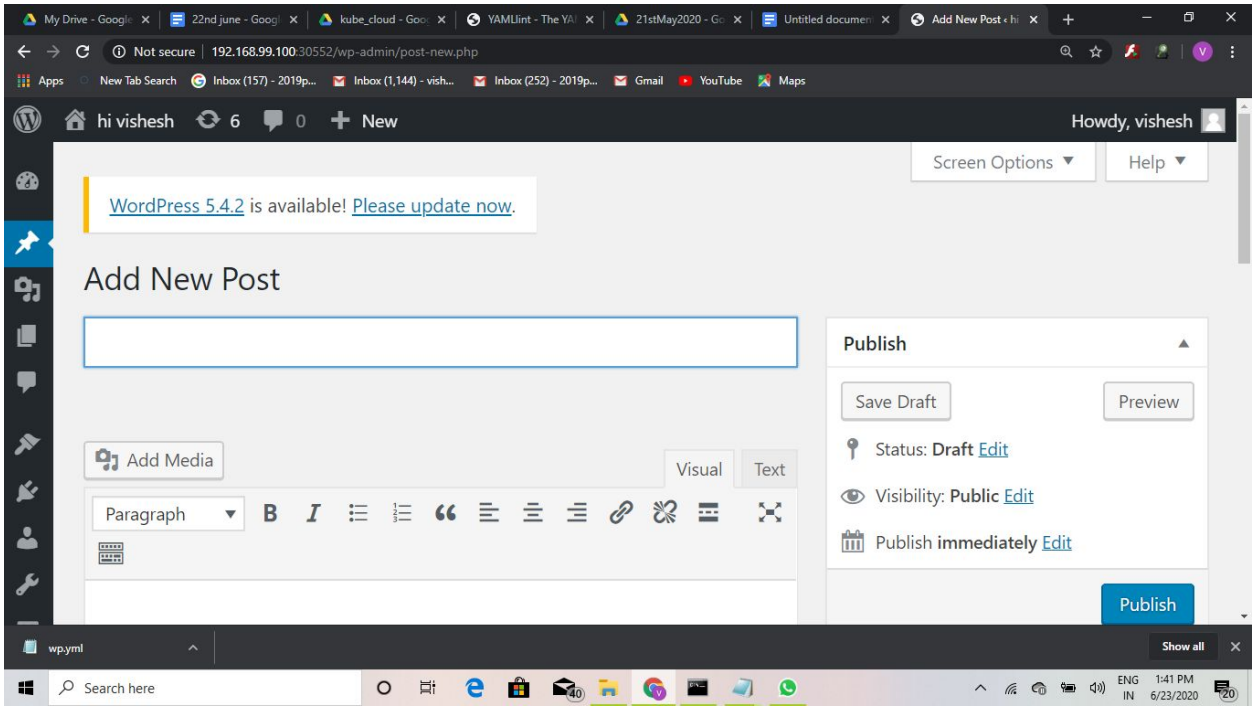

Not secure | 192.168.99.100:30552/wp-admin/setup-config.php?step=1
Below you should enter your database connection details. If you're not sure about these, contact your host.
Database Name
mysql
The name of the database you want to use with WordPress.
Username
root
Your database username.
Password
redhat
Your database password.
Database Host
172.17.0.6
You should be able to get this info from your web host, if localhost doesn't work.
Table Prefix
wp_
If you want to run multiple WordPress installations in a single database, change this.
Submit

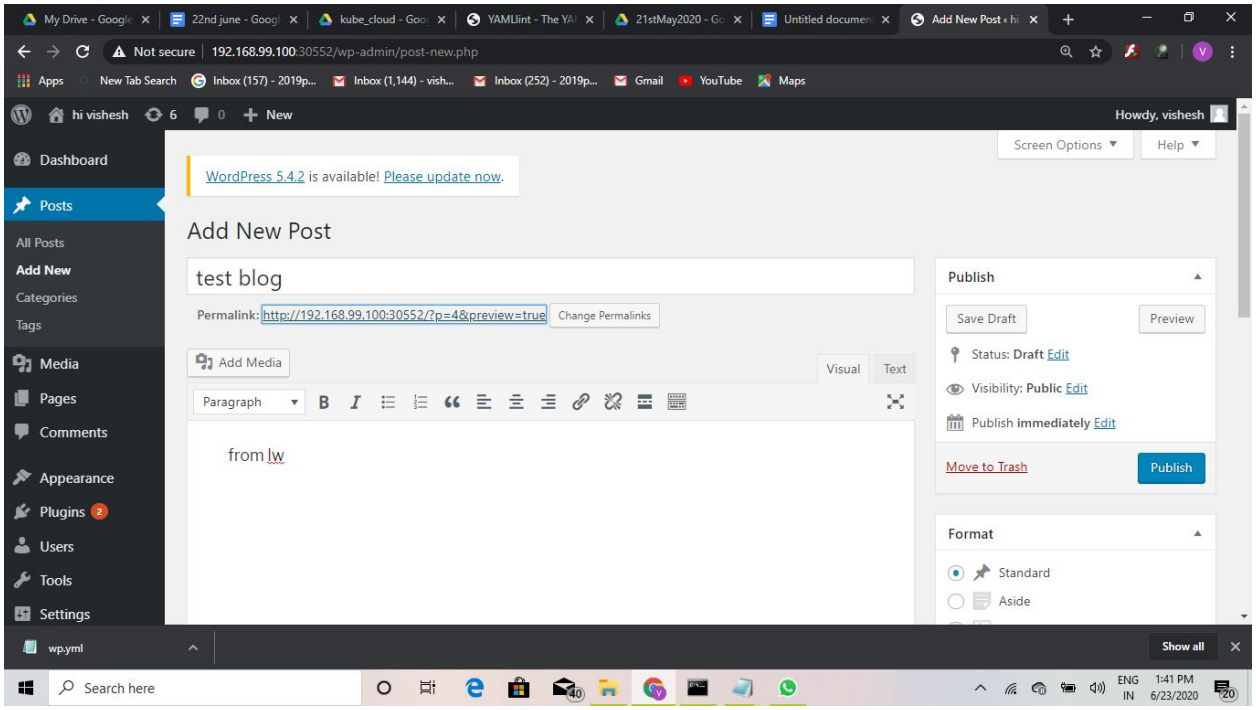

Not secure | 192.168.99.100:30552/wp-admin/setup-config.php?step=2
All right, sparky! You've made it through this part of the installation. WordPress can now communicate with your database. If you are ready, time now to...
Run the install

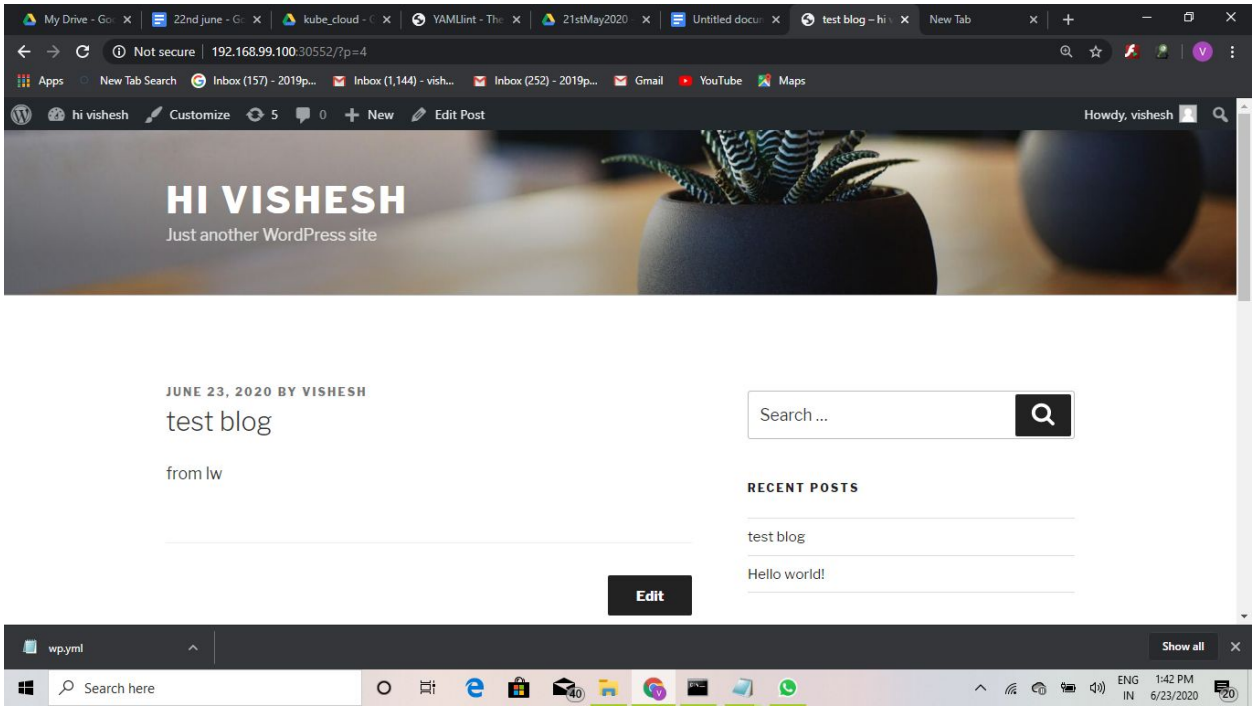

Not secure | 192.168.99.100:30552/wp-admin/install.php?language=en_US
Please provide the following information. Don't worry, you can always change these settings later.
Site Title
hi vishesh
Username
vishesh
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password
Show
Strong
Important: You will need this password to log in. Please store it in a secure location.
Your Email
vishesh8199@gmail.com
Double-check your email address before continuing.
Search Engine
Discourage search engines from indexing this site


Not secure | 192.168.99.100:30552/wp-login.php
Username or Email Address
vishesh
Password
Remember Me
Log In
Waiting for 192.168.99.100...


Not secure 192.168.99.100:30552/wp-admin/
hi vishesh 6 0 New
Howdy, vishesh
Screen Options
Help
WordPress 5.4.2 is available! Please update now.
Dashboard
Welcome to WordPress!
We've assembled some links to get you started:
Dismiss
Get Started
Customize Your Site
or, change your theme completely
Next Steps
Write your first blog post
Add an About page
View your site
More Actions
Manage widgets or menus
Turn comments on or off
Learn more about getting started
Search here


Not secure 192.168.99.100:30552/wp-admin/post-new.php
hi vishesh 6 0 New
Howdy, vishesh
Screen Options
Help
WordPress 5.4.2 is available! Please update now.
Add New Post
Add Media
Visual
Text
Paragraph
Publish
Save Draft
Preview
Status: Draft Edit
Visibility: Public Edit
Publish immediately Edit
Publish
Search here

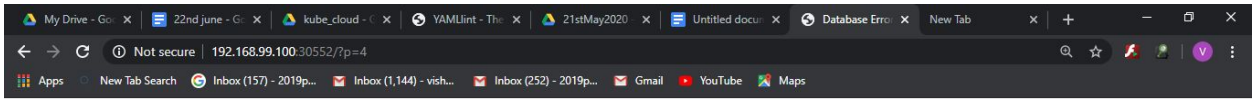




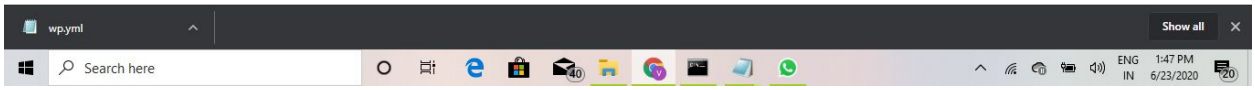

```
NAME                 TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)        AGE
service/kubernetes   ClusterIP   10.96.0.1       <none>        443/TCP        26m
service/wprs1        NodePort    10.108.248.196  <none>        80:30552/TCP   5s

NAME                          DESIRED   CURRENT   READY   AGE
replicaset.apps/mysqlrs1      1         1         1       26m
replicaset.apps/wprs1         1         1         1       30s
```

```
C:\Users\user\Desktop\kube_cloud>kubectl get all
NAME                READY   STATUS    RESTARTS   AGE
pod/mysqlrs1-295qd   1/1     Running   0          6m50s
pod/wprs1-4gkkw      1/1     Running   0          30s

NAME                 TYPE        CLUSTER-IP       EXTERNAL-IP   PORT(S)        AGE
service/kubernetes   ClusterIP   10.96.0.1        <none>        443/TCP        26m
service/wprs1        NodePort    10.108.248.196   <none>        80:30552/TCP   5s

NAME                     DESIRED   CURRENT   READY   AGE
replicaset.apps/mysqlrs1   1         1         1       26m
replicaset.apps/wprs1      1         1         1       30s

C:\Users\user\Desktop\kube_cloud>kubectl describe pod/mysqlrs1-295qd
Name:         mysqlrs1-295qd
Namespace:    default
Priority:     0
Node:         minikube/192.168.99.100
Start Time:   Tue, 23 Jun 2020 13:29:37 +0530
Labels:       env=dev
Annotations:  <none>
Status:       Running
IP:           172.17.0.6
IPs:
  IP:           172.17.0.6
Controlled By:  ReplicaSet/mysqlrs1
Containers:
  mysqlcon1:
    Container ID:
docker://430544c0a1a98edd762f1a947c78fd2a2122506bdfd8f26812c0404ef96415c5
    Image:          mysql:5.6
    Image ID:
docker-pullable://mysql@sha256:2bf1a0a05a6ad437dcac6689e48a9c33774ac92c6213fce2c41
96343210592f3
    Port:           <none>
    Host Port:      <none>
    State:          Running
      Started:      Tue, 23 Jun 2020 13:29:38 +0530
    Ready:          True
    Restart Count:  0
    Environment:
      MYSQL_ROOT_PASSWORD:  redhat
      MYSQL_DATABASE:       mylb
```

```
    MYSQL_USER:          vishesh
    MYSQL_PASSWORD:      redhat
  Mounts:
    /var/lib/mysql from web-vol1 (rw)
    /var/run/secrets/kubernetes.io/serviceaccount from default-token-8llwm (ro)
Conditions:
  Type              Status
  Initialized       True
  Ready             True
  ContainersReady   True
  PodScheduled      True
Volumes:
  web-vol1:
    Type:       PersistentVolumeClaim (a reference to a PersistentVolumeClaim in the same
namespace)
    ClaimName:  mysqlpvc1
    ReadOnly:   false
  default-token-8llwm:
    Type:       Secret (a volume populated by a Secret)
    SecretName:  default-token-8llwm
    Optional:    false
QoS Class:       BestEffort
Node-Selectors:  <none>
Tolerations:     node.kubernetes.io/not-ready:NoExecute for 300s
                 node.kubernetes.io/unreachable:NoExecute for 300s
Events:
  Type    Reason     Age    From               Message
  ----    ------     ----   ----               -------
  Normal  Scheduled  9m10s  default-scheduler  Successfully assigned default/mysqlrs1-295qd
to minikube
  Normal  Pulled     9m9s   kubelet, minikube  Container image "mysql:5.6" already present on
machine
  Normal  Created    9m9s   kubelet, minikube  Created container mysqlcon1
  Normal  Started    9m9s   kubelet, minikube  Started container mysqlcon1
```



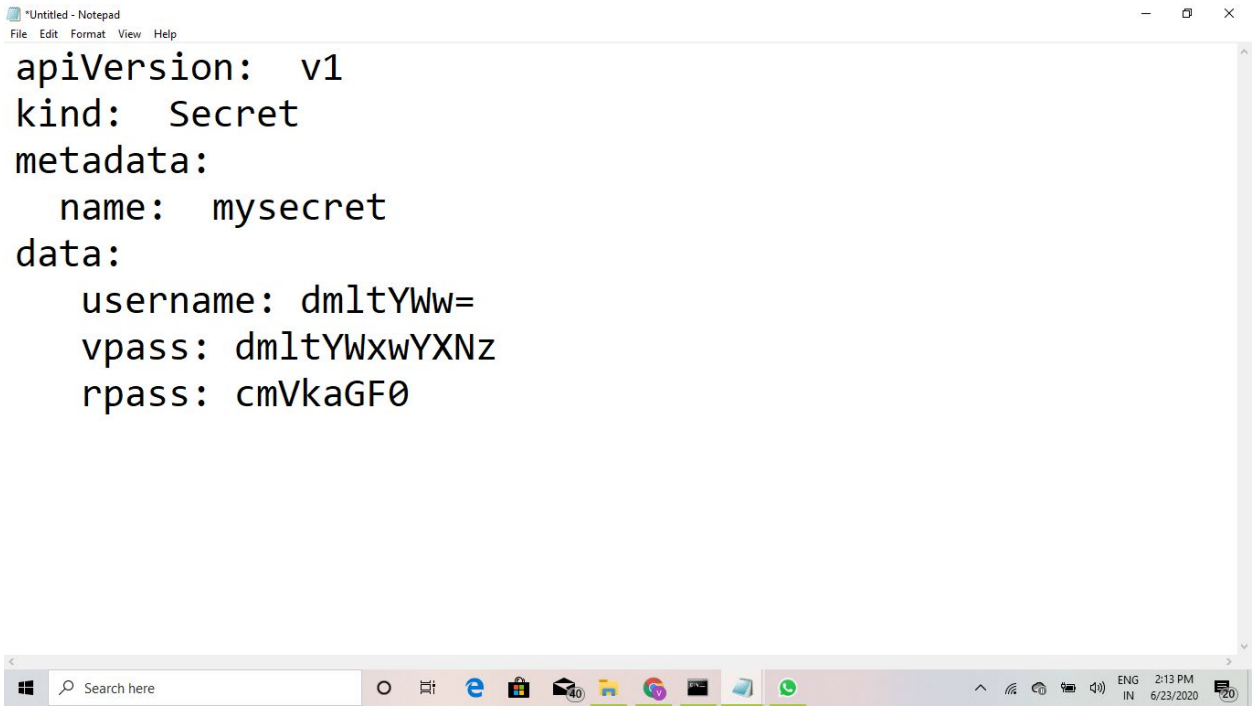
Error establishing a database connection




```
C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME            READY   STATUS    RESTARTS   AGE
mysqlrs1-xz5dx   1/1     Running   0          39s
wprs1-4gkkw      1/1     Running   0          11m

C:\Users\user\Desktop\kube_cloud>kubectl describe pods mysqlrs1-xz5dx
Name:         mysqlrs1-xz5dx
Namespace:    default
Priority:     0
Node:         minikube/192.168.99.100
Start Time:   Tue, 23 Jun 2020 13:46:59 +0530
Labels:       env=dev
Annotations:  <none>
Status:       Running
IP:           172.17.0.8
IPs:
  IP:           172.17.0.8
Controlled By:  ReplicaSet/mysqlrs1
Containers:
  mysqlcon1:
    Container ID:
docker://cf713aed735d16483325b9ff9b6f76f7ca173664910ebed36ac0936b6295c9c4
    Image:          mysql:5.6
```

```
    Image ID:
docker-pullable://mysql@sha256:2bf1a0a05a6ad437dcac6689e48a9c33774ac92c6213fce2c41
96343210592f3
    Port:          <none>
    Host Port:     <none>
    State:         Running
      Started:     Tue, 23 Jun 2020 13:47:01 +0530
    Ready:         True
    Restart Count: 0
    Environment:
      MYSQL_ROOT_PASSWORD:  redhat
      MYSQL_DATABASE:       mylb
      MYSQL_USER:           vishesh
      MYSQL_PASSWORD:       redhat
    Mounts:
      /var/lib/mysql from web-vol1 (rw)
      /var/run/secrets/kubernetes.io/serviceaccount from default-token-8llwm (ro)
Conditions:
  Type              Status
  Initialized       True
  Ready             True
  ContainersReady   True
  PodScheduled      True
Volumes:
  web-vol1:
    Type:       PersistentVolumeClaim (a reference to a PersistentVolumeClaim in the same
namespace)
    ClaimName:  mysqlpvc1
    ReadOnly:   false
  default-token-8llwm:
    Type:        Secret (a volume populated by a Secret)
    SecretName:  default-token-8llwm
    Optional:    false
QoS Class:       BestEffort
Node-Selectors:  <none>
Tolerations:     node.kubernetes.io/not-ready:NoExecute for 300s
                 node.kubernetes.io/unreachable:NoExecute for 300s
Events:
  Type    Reason     Age   From               Message
  ----    ------     ----  ----               -------
  Normal  Scheduled  52s   default-scheduler  Successfully assigned default/mysqlrs1-xz5dx to
minikube
```

Normal Pulled 51s kubelet, minikube Container image "mysql:5.6" already present on machine
Normal Created 50s kubelet, minikube Created container mysqlcon1
Normal Started 50s kubelet, minikube Started container mysqlcon1



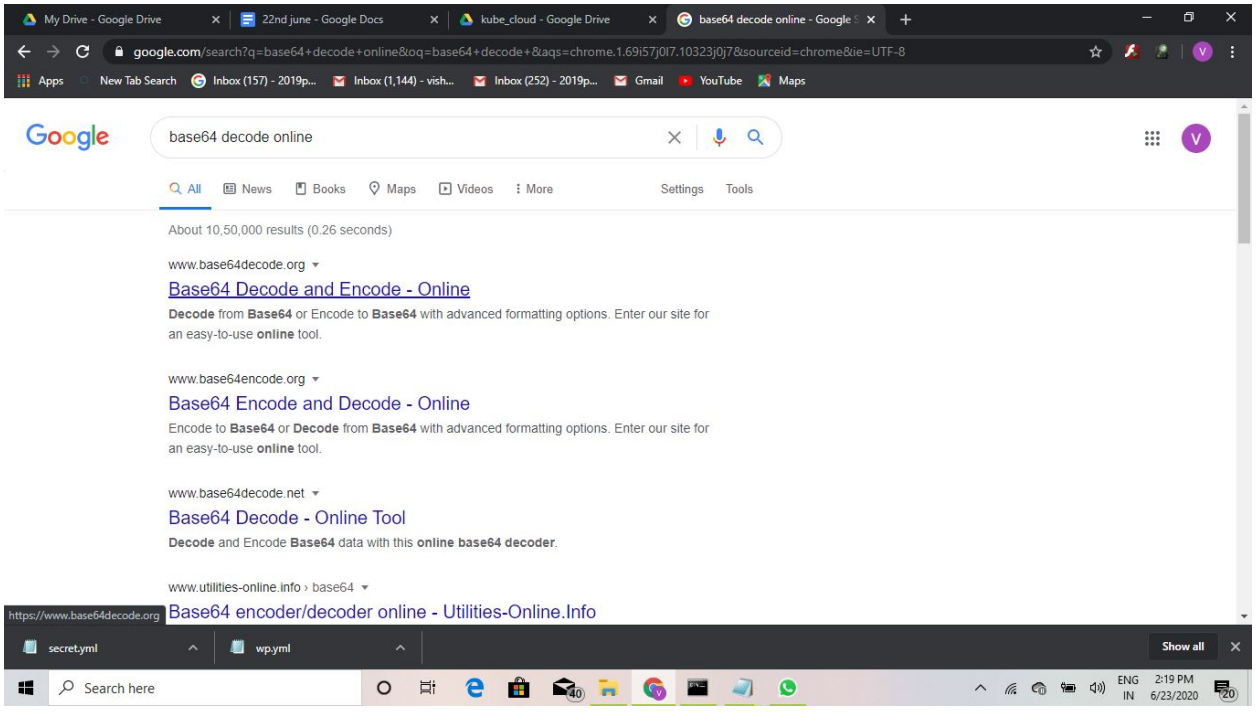
secret never encrypt the data
We will create with the help of genric method
C:\Users\user\Desktop\kube_cloud>kubectl create secret generic mysecret --from-literal=user=******* --from-literal=mypass=.....
secret/mysecret created

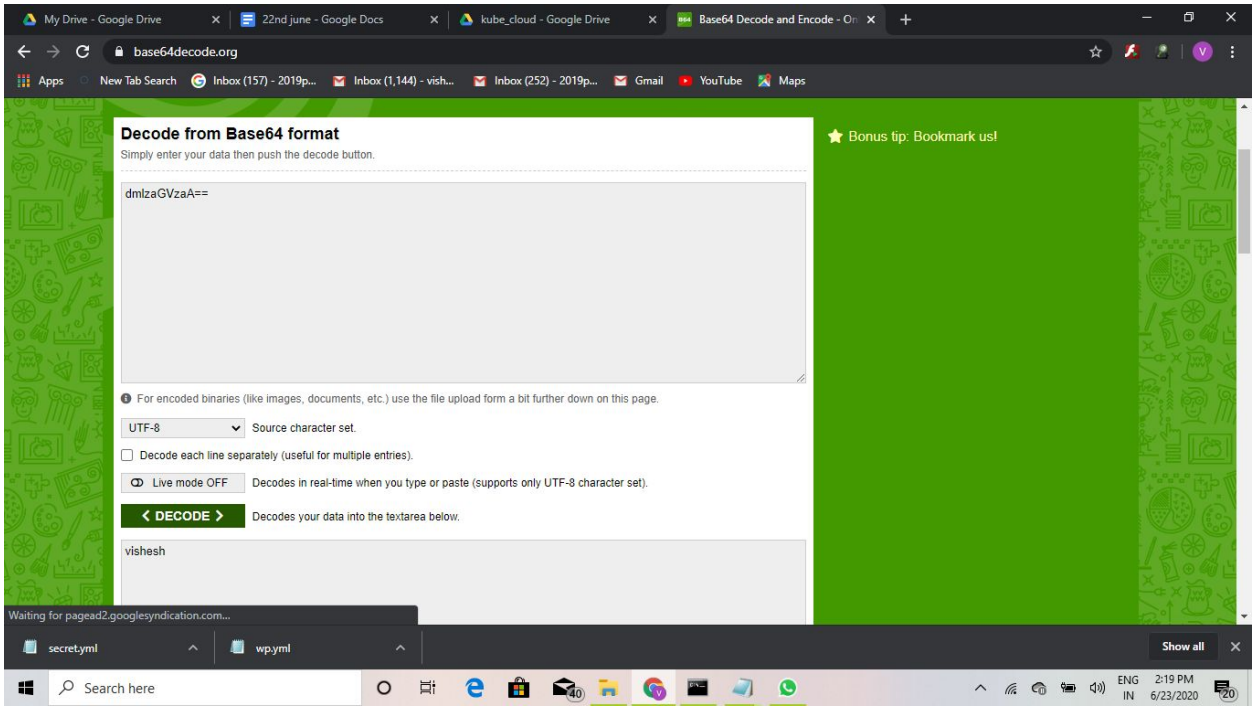
C:\Users\user\Desktop\kube_cloud>kubectl get secret
NAME TYPE DATA AGE
default-token-8llwm kubernetes.io/service-account-token 3 28d
mysecret Opaque 2 6s
C:\Users\user\Desktop\kube_cloud>kubectl describe secret/mysecret
Name: mysecret
Namespace: default
Labels: <none>
Annotations: <none>

Type: Opaque

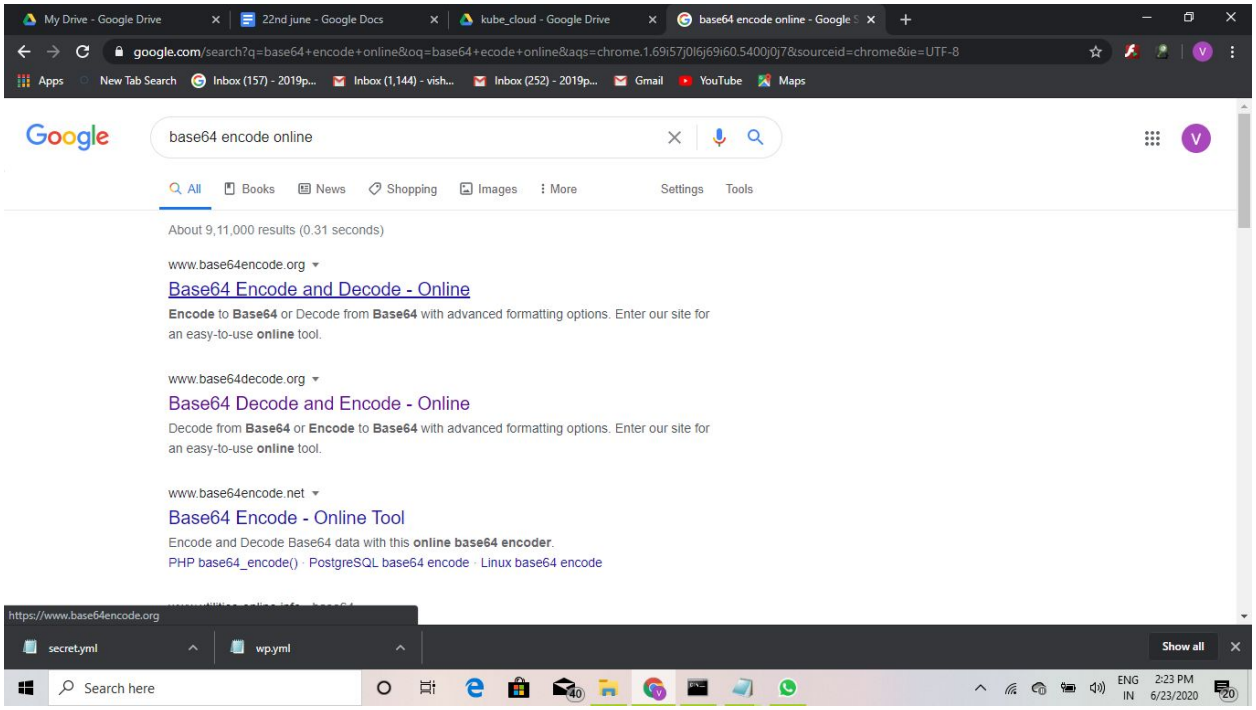
Data
====
mypass: 6 bytes

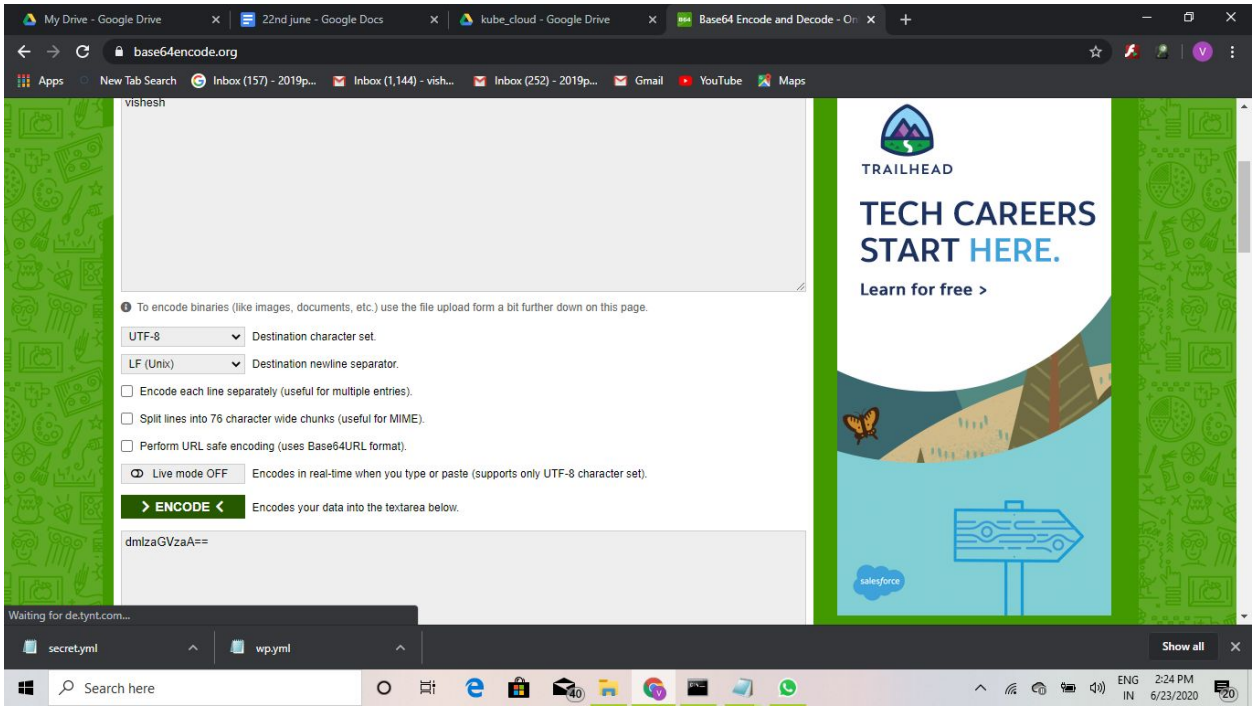
```
user:    7 bytes
C:\Users\user\Desktop\kube_cloud>kubectl get secret/mysecret -o yaml
apiVersion: v1
data:
  mypass: cmVkaGF0
  user: dmlzaGVzaA==
kind: Secret
metadata:
  creationTimestamp: "2020-06-23T08:46:07Z"
  managedFields:
  - apiVersion: v1
    fieldsType: FieldsV1
    fieldsV1:
      f:data:
        .: {}
        f:mypass: {}
        f:user: {}
      f:type: {}
    manager: kubectl
    operation: Update
    time: "2020-06-23T08:46:07Z"
  name: mysecret
  namespace: default
  resourceVersion: "312638"
  selfLink: /api/v1/namespaces/default/secrets/mysecret
  uid: 1144f15f-e5a8-47b5-906f-bce4c7b6002b
type: Opaque
(encodes)
```





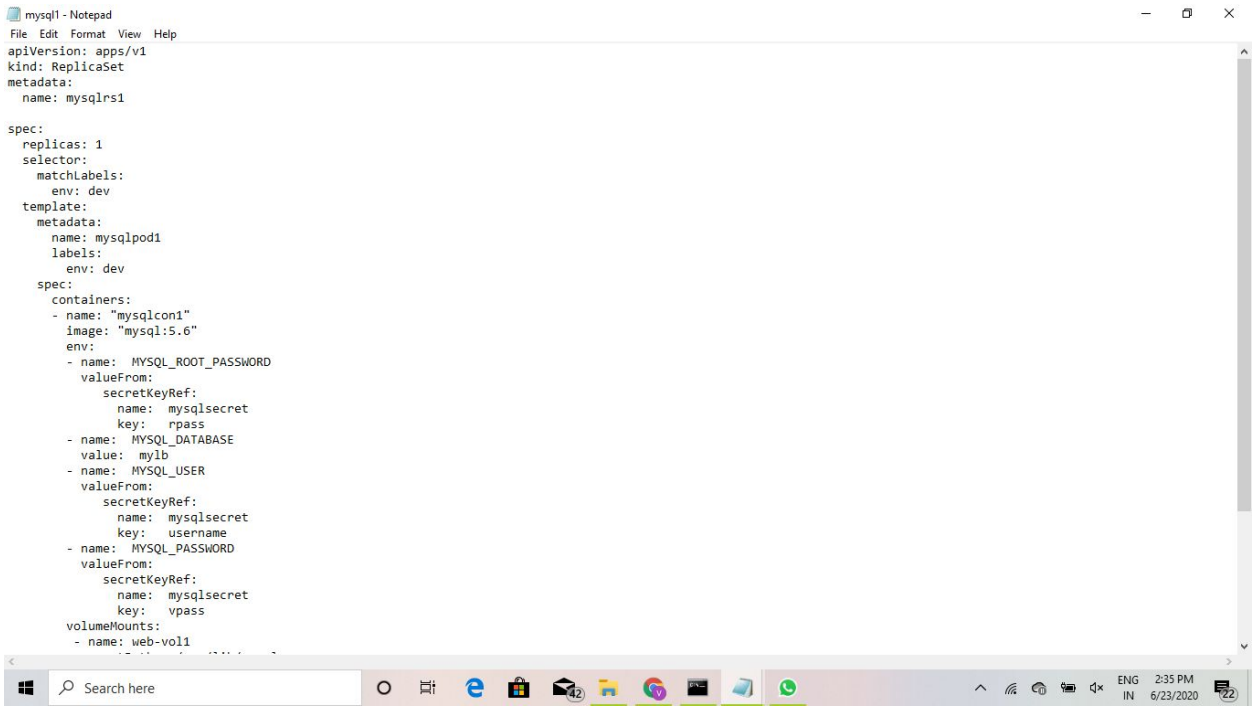
in secret file it support in encode format only






```
C:\Users\user\Desktop\kube_cloud>kubectl create -f secret1.yml
secret/mysqlsecret created

C:\Users\user\Desktop\kube_cloud>kubectl get secret
NAME                  TYPE                                  DATA   AGE
default-token-8llwm   kubernetes.io/service-account-token   3      28d
mysecret              Opaque                                2      9m36s
```

mysqlsecret Opaque 3 4s



C:\Users\user\Desktop\kube_cloud>kubectl create --validate=false -f mysql1.yml
replicaset.apps/mysqlrs1 created

C:\Users\user\Desktop\kube_cloud>kubectl get rs
NAME DESIRED CURRENT READY AGE
mysqlrs1 1 1 1 5s
wprs1 1 1 1 59m
C:\Users\user\Desktop\kube_cloud>kubectl get all
NAME READY STATUS RESTARTS AGE
pod/mysqlrs1-w7rqc 1/1 Running 0 24s
pod/wprs1-4gkkw 1/1 Running 0 60m

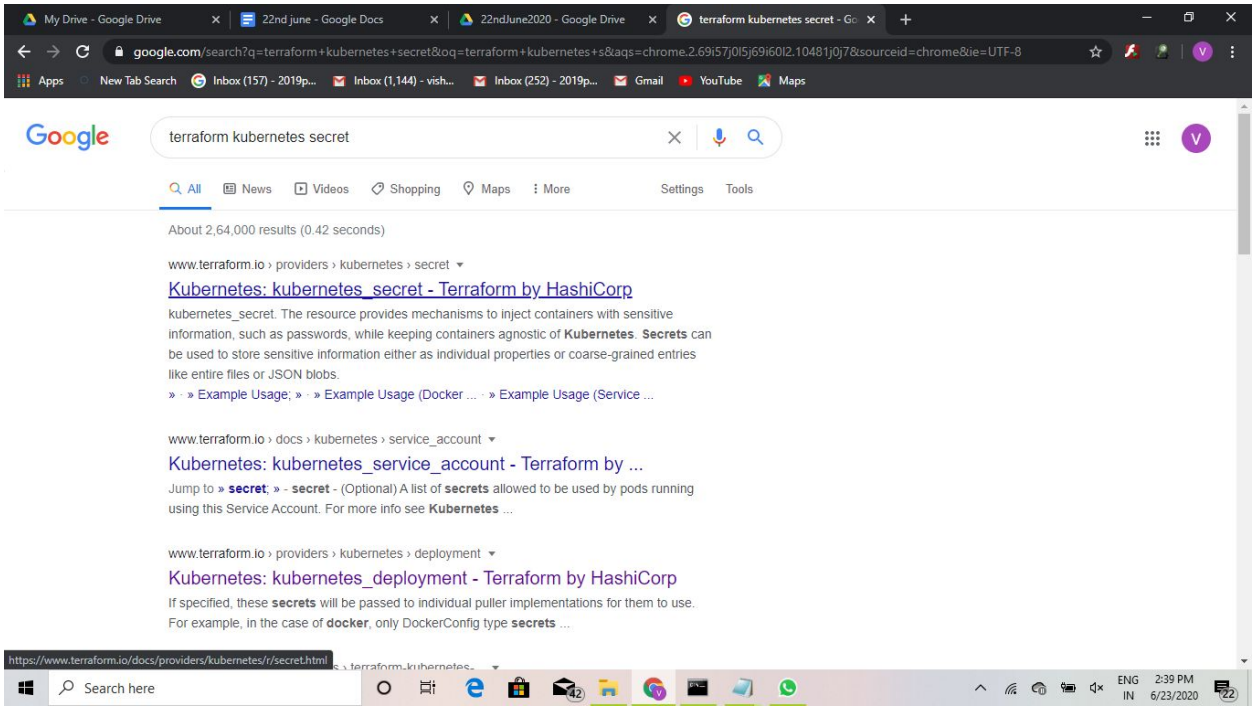
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
service/kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 86m
service/wprs1 NodePort 10.108.248.196 <none> 80:30552/TCP 59m

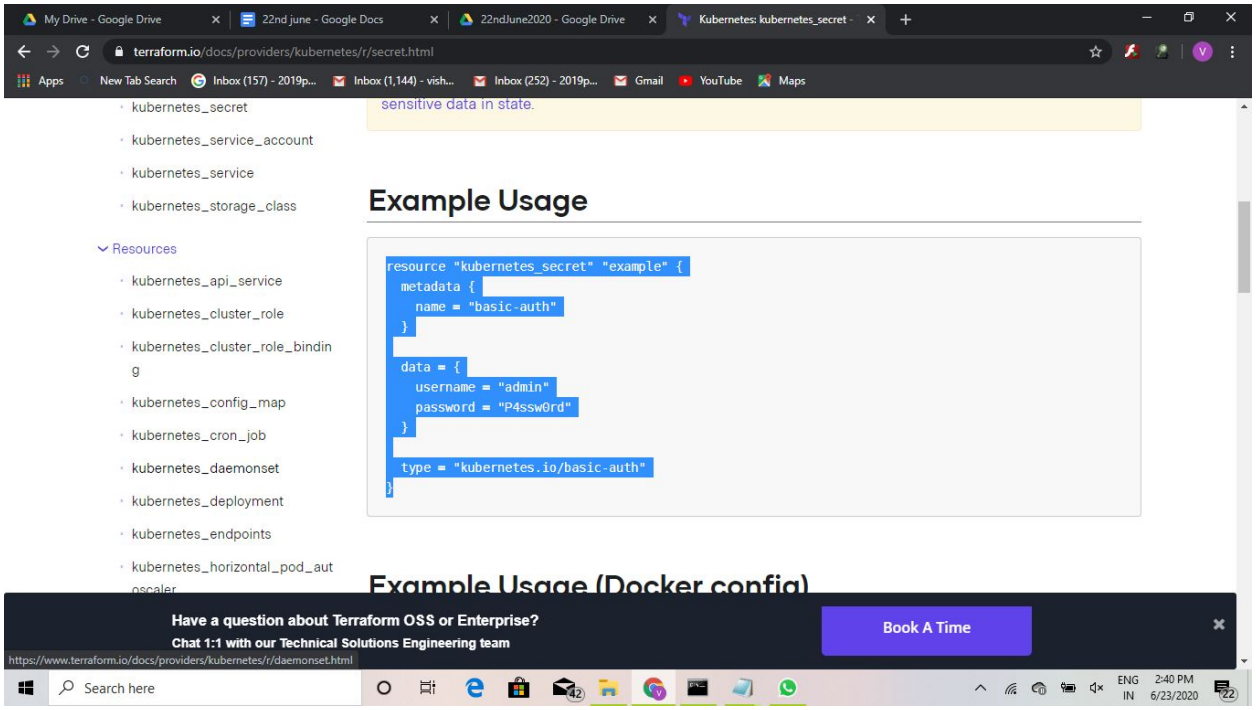
NAME DESIRED CURRENT READY AGE
replicaset.apps/mysqlrs1 1 1 1 25s
replicaset.apps/wprs1 1 1 1 60m

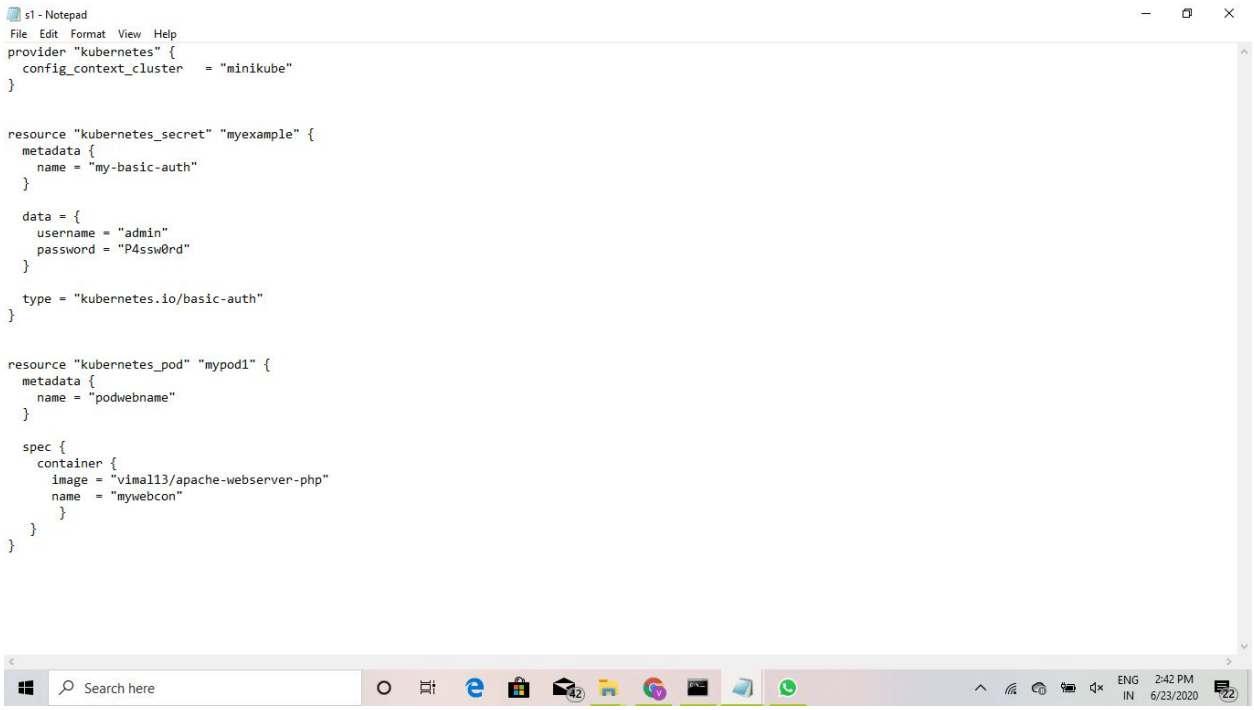
C:\Users\user\Desktop\kube_cloud>kubectl describe pod/mysqlrs1-w7rqc
Name: mysqlrs1-w7rqc
Namespace: default
Priority: 0

```
Node:         minikube/192.168.99.100
Start Time:   Tue, 23 Jun 2020 14:35:35 +0530
Labels:       env=dev
Annotations:  <none>
Status:       Running
IP:           172.17.0.6
IPs:
  IP:           172.17.0.6
Controlled By:  ReplicaSet/mysqlrs1
Containers:
  mysqlcon1:
    Container ID:
docker://fa0bf53626c6a65c32f115b2eb6b1f6242e6da558c7ab7ad3d360dc7dc706975
    Image:          mysql:5.6
    Image ID:
docker-pullable://mysql@sha256:2bf1a0a05a6ad437dcac6689e48a9c33774ac92c6213fce2c41
96343210592f3
    Port:           <none>
    Host Port:      <none>
    State:          Running
      Started:      Tue, 23 Jun 2020 14:35:36 +0530
    Ready:          True
    Restart Count:  0
    Environment:
      MYSQL_ROOT_PASSWORD:  <set to the key 'rpass' in secret 'mysqlsecret'>  Optional:
false
      MYSQL_DATABASE:       mylb
      MYSQL_USER:           <set to the key 'username' in secret 'mysqlsecret'>  Optional: false
      MYSQL_PASSWORD:       <set to the key 'vpass' in secret 'mysqlsecret'>     Optional: false
    Mounts:
      /var/lib/mysql from web-vol1 (rw)
      /var/run/secrets/kubernetes.io/serviceaccount from default-token-8llwm (ro)
Conditions:
  Type              Status
  Initialized       True
  Ready             True
  ContainersReady   True
  PodScheduled      True
Volumes:
  web-vol1:
    Type:       PersistentVolumeClaim (a reference to a PersistentVolumeClaim in the same
namespace)
    ClaimName:  mysqlpvc1
```

```
    ReadOnly:   false
  default-token-8llwm:
    Type:        Secret (a volume populated by a Secret)
    SecretName:  default-token-8llwm
    Optional:    false
QoS Class:       BestEffort
Node-Selectors:  <none>
Tolerations:     node.kubernetes.io/not-ready:NoExecute for 300s
                 node.kubernetes.io/unreachable:NoExecute for 300s
Events:
  Type    Reason     Age   From               Message
  ----    ------     ----  ----               -------
  Normal  Scheduled  36s   default-scheduler  Successfully assigned default/mysqlrs1-w7rqc to
minikube
  Normal  Pulled     36s   kubelet, minikube  Container image "mysql:5.6" already present on
machine
  Normal  Created    36s   kubelet, minikube  Created container mysqlcon1
  Normal  Started    35s   kubelet, minikube  Started container mysqlcon1
```


My Drive - Google Drive
22nd june - Google Docs
22ndJune2020 - Google Drive
terraform kubernetes secret - Go
google.com/search?q=terraform+kubernetes+secret&oq=terraform+kubernetes+s&aqs=chrome.2.69i57j0l5j69i60l2.10481j0j7&sourceid=chrome&ie=UTF-8
Apps
New Tab Search
Inbox (157) - 2019p...
Inbox (1,144) - vish...
Inbox (252) - 2019p...
Gmail
YouTube
Maps
Google
terraform kubernetes secret
All
News
Videos
Shopping
Maps
More
Settings
Tools
About 2,64,000 results (0.42 seconds)
www.terraform.io › providers › kubernetes › secret
Kubernetes: kubernetes_secret - Terraform by HashiCorp
kubernetes_secret. The resource provides mechanisms to inject containers with sensitive information, such as passwords, while keeping containers agnostic of Kubernetes. Secrets can be used to store sensitive information either as individual properties or coarse-grained entries like entire files or JSON blobs.
» · » Example Usage; » · » Example Usage (Docker ... · » Example Usage (Service ...
www.terraform.io › docs › kubernetes › service_account
Kubernetes: kubernetes_service_account - Terraform by ...
Jump to » secret; » - secret - (Optional) A list of secrets allowed to be used by pods running using this Service Account. For more info see Kubernetes ...
www.terraform.io › providers › kubernetes › deployment
Kubernetes: kubernetes_deployment - Terraform by HashiCorp
If specified, these secrets will be passed to individual puller implementations for them to use. For example, in the case of docker, only DockerConfig type secrets ...
https://www.terraform.io/docs/providers/kubernetes/r/secret.html
Search here
ENG
IN
2:39 PM
6/23/2020


My Drive - Google Drive
22nd june - Google Docs
22ndJune2020 - Google Drive
Kubernetes: kubernetes_secret -
terraform.io/docs/providers/kubernetes/r/secret.html
Apps
New Tab Search
Inbox (157) - 2019p...
Inbox (1,144) - vish...
Inbox (252) - 2019p...
Gmail
YouTube
Maps
kubernetes_secret
kubernetes_service_account
kubernetes_service
kubernetes_storage_class
Resources
kubernetes_api_service
kubernetes_cluster_role
kubernetes_cluster_role_binding
kubernetes_config_map
kubernetes_cron_job
kubernetes_daemonset
kubernetes_deployment
kubernetes_endpoints
kubernetes_horizontal_pod_autoscaler
sensitive data in state.
Example Usage
resource "kubernetes_secret" "example" {
metadata {
name = "basic-auth"
}
data = {
username = "admin"
password = "P4ssw0rd"
}
type = "kubernetes.io/basic-auth"
}
Example Usage (Docker config)
Have a question about Terraform OSS or Enterprise?
Chat 1:1 with our Technical Solutions Engineering team
Book A Time
https://www.terraform.io/docs/providers/kubernetes/r/daemonset.html
Search here
ENG
IN
2:40 PM
6/23/2020



C:\Users\user\Desktop\kube_cloud>cd C:\Users\user\Desktop\terraform

C:\Users\user\Desktop\terraform>cd secret

C:\Users\user\Desktop\terraform\secret>terraform init

Initializing the backend...

Initializing provider plugins...
- Checking for available provider plugins...
- Downloading plugin for provider "kubernetes" (hashicorp/kubernetes) 1.11.3...

The following providers do not have any version constraints in configuration,
so the latest version was installed.

To prevent automatic upgrades to new major versions that may contain breaking
changes, it is recommended to add version = "..." constraints to the
corresponding provider blocks in configuration, with the constraint strings
suggested below.

* provider.kubernetes: version = "~> 1.11"

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see

any changes that are required for your infrastructure. All Terraform commands should now work.

If you ever set or change modules or backend configuration for Terraform, rerun this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary.

C:\Users\user\Desktop\terraform\secret>terraform apply

An execution plan has been generated and is shown below.
Resource actions are indicated with the following symbols:
  + create

Terraform will perform the following actions:

```
  # kubernetes_pod.mypod1 will be created
  + resource "kubernetes_pod" "mypod1" {
      + id = (known after apply)

      + metadata {
          + generation       = (known after apply)
          + name             = "podwebname"
          + namespace        = "default"
          + resource_version = (known after apply)
          + self_link        = (known after apply)
          + uid              = (known after apply)
        }

      + spec {
          + automount_service_account_token  = false
          + dns_policy                       = "ClusterFirst"
          + host_ipc                         = false
          + host_network                     = false
          + host_pid                         = false
          + hostname                         = (known after apply)
          + node_name                        = (known after apply)
          + restart_policy                   = "Always"
          + service_account_name             = (known after apply)
          + share_process_namespace          = false
          + termination_grace_period_seconds = 30

          + container {
              + image                  = "vimal13/apache-webserver-php"
```

```
    + image_pull_policy        = (known after apply)
    + name                     = "mywebcon"
    + stdin                    = false
    + stdin_once               = false
    + termination_message_path = "/dev/termination-log"
    + tty                      = false

    + resources {
        + limits {
            + cpu    = (known after apply)
            + memory = (known after apply)
          }

        + requests {
            + cpu    = (known after apply)
            + memory = (known after apply)
          }
      }

    + volume_mount {
        + mount_path        = (known after apply)
        + mount_propagation = (known after apply)
        + name              = (known after apply)
        + read_only         = (known after apply)
        + sub_path          = (known after apply)
      }
  }

+ image_pull_secrets {
    + name = (known after apply)
  }

+ volume {
    + name = (known after apply)

    + aws_elastic_block_store {
        + fs_type   = (known after apply)
        + partition = (known after apply)
        + read_only = (known after apply)
        + volume_id = (known after apply)
      }

    + azure_disk {
```

```
    + caching_mode  = (known after apply)
    + data_disk_uri = (known after apply)
    + disk_name     = (known after apply)
    + fs_type       = (known after apply)
    + read_only     = (known after apply)
  }

+ azure_file {
    + read_only   = (known after apply)
    + secret_name = (known after apply)
    + share_name  = (known after apply)
  }

+ ceph_fs {
    + monitors    = (known after apply)
    + path        = (known after apply)
    + read_only   = (known after apply)
    + secret_file = (known after apply)
    + user        = (known after apply)

    + secret_ref {
        + name = (known after apply)
      }
  }

+ cinder {
    + fs_type   = (known after apply)
    + read_only = (known after apply)
    + volume_id = (known after apply)
  }

+ config_map {
    + default_mode = (known after apply)
    + name         = (known after apply)

    + items {
        + key  = (known after apply)
        + mode = (known after apply)
        + path = (known after apply)
      }
  }

+ downward_api {
```

```
      + default_mode = (known after apply)

      + items {
          + mode = (known after apply)
          + path = (known after apply)

          + field_ref {
              + api_version = (known after apply)
              + field_path  = (known after apply)
            }

          + resource_field_ref {
              + container_name = (known after apply)
              + quantity       = (known after apply)
              + resource       = (known after apply)
            }
        }
    }

  + empty_dir {
      + medium = (known after apply)
    }

  + fc {
      + fs_type      = (known after apply)
      + lun          = (known after apply)
      + read_only    = (known after apply)
      + target_ww_ns = (known after apply)
    }

  + flex_volume {
      + driver    = (known after apply)
      + fs_type   = (known after apply)
      + options   = (known after apply)
      + read_only = (known after apply)

      + secret_ref {
          + name = (known after apply)
        }
    }

  + flocker {
      + dataset_name = (known after apply)
```

```
    + dataset_uuid = (known after apply)
  }

+ gce_persistent_disk {
    + fs_type   = (known after apply)
    + partition = (known after apply)
    + pd_name   = (known after apply)
    + read_only = (known after apply)
  }

+ git_repo {
    + directory  = (known after apply)
    + repository = (known after apply)
    + revision   = (known after apply)
  }

+ glusterfs {
    + endpoints_name = (known after apply)
    + path           = (known after apply)
    + read_only      = (known after apply)
  }

+ host_path {
    + path = (known after apply)
    + type = (known after apply)
  }

+ iscsi {
    + fs_type         = (known after apply)
    + iqn             = (known after apply)
    + iscsi_interface = (known after apply)
    + lun             = (known after apply)
    + read_only       = (known after apply)
    + target_portal   = (known after apply)
  }

+ local {
    + path = (known after apply)
  }

+ nfs {
    + path      = (known after apply)
    + read_only = (known after apply)
```

```
    + server    = (known after apply)
  }

+ persistent_volume_claim {
    + claim_name = (known after apply)
    + read_only  = (known after apply)
  }

+ photon_persistent_disk {
    + fs_type = (known after apply)
    + pd_id   = (known after apply)
  }

+ quobyte {
    + group     = (known after apply)
    + read_only = (known after apply)
    + registry  = (known after apply)
    + user      = (known after apply)
    + volume    = (known after apply)
  }

+ rbd {
    + ceph_monitors = (known after apply)
    + fs_type       = (known after apply)
    + keyring       = (known after apply)
    + rados_user    = (known after apply)
    + rbd_image     = (known after apply)
    + rbd_pool      = (known after apply)
    + read_only     = (known after apply)

    + secret_ref {
        + name = (known after apply)
      }
  }

+ secret {
    + default_mode = (known after apply)
    + optional     = (known after apply)
    + secret_name  = (known after apply)

    + items {
        + key  = (known after apply)
        + mode = (known after apply)
```

```
            + path = (known after apply)
          }
        }

      + vsphere_volume {
          + fs_type     = (known after apply)
          + volume_path = (known after apply)
        }
    }
  }

 # kubernetes_secret.myexample will be created
 + resource "kubernetes_secret" "myexample" {
    + data = (sensitive value)
    + id   = (known after apply)
    + type = "kubernetes.io/basic-auth"

    + metadata {
        + generation       = (known after apply)
        + name             = "my-basic-auth"
        + namespace        = "default"
        + resource_version = (known after apply)
        + self_link        = (known after apply)
        + uid              = (known after apply)
      }
  }

Plan: 2 to add, 0 to change, 0 to destroy.

Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.

  Enter a value: yes

kubernetes_secret.myexample: Creating...
kubernetes_secret.myexample: Creation complete after 0s [id=default/my-basic-auth]
kubernetes_pod.mypod1: Creating...
kubernetes_pod.mypod1: Still creating... [10s elapsed]
kubernetes_pod.mypod1: Creation complete after 13s [id=default/podwebname]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.
```

```
C:\Users\user\Desktop\terraform\secret>kubectl get secret
NAME                  TYPE                                  DATA   AGE
default-token-8llwm   kubernetes.io/service-account-token   3      28d
my-basic-auth         kubernetes.io/basic-auth              2      22s
mysecret              Opaque                                2      27m
mysqlsecret           Opaque                                3      17m

C:\Users\user\Desktop\terraform\secret>kubectl get pods
NAME         READY   STATUS    RESTARTS   AGE
podwebname   1/1     Running   0          24s
```