kubectl get pv

```
Терминал - igor@ubuntu-server: ~ − + ×
Файл Правка Вид Терминал Вкладки Справка

igor@ubuntu-server: ~$ minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured

igor@ubuntu-server: ~$ kubectl get pv
No resources found
igor@ubuntu-server: ~$
```

kubectl describe pv

```
▼ Tepминал-igor@ubuntu-server:~ - + ×

Файл Правка Вид Терминал Вкладки Справка

type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured

igor@ubuntu-server:~$ kubectl get pv
No resources found
igor@ubuntu-server:~$ kubectl describe pv
No resources found in default namespace.
igor@ubuntu-server:~$
```

kubectl describe pvc

```
Терминал-igor@ubuntu-server:~ — + ×

Файл Правка Вид Терминал Вкладки Справка

kubelet: Running
apiserver: Running
kubeconfig: Configured

igor@ubuntu-server:~$ kubectl get pv
No resources found
igor@ubuntu-server:~$ kubectl describe pv
No resources found in default namespace.
igor@ubuntu-server:~$

Kubectl describe pvc
No resources found in default namespace.
igor@ubuntu-server:~$

igor@ubuntu-server:~$
```

kubectl describe pvc webdav2

```
▼ Терминал-igor@ubuntu-server:~ — + ×
Файл Правка Вид Терминал Вкладки Справка
kubeconfig: Configured

igor@ubuntu-server:~$ kubectl get pv
No resources found
igor@ubuntu-server:~$ kubectl describe pv
No resources found in default namespace.
igor@ubuntu-server:~$ kubectl describe pvc
No resources found in default namespace.
igor@ubuntu-server:~$ kubectl describe pvc webdav2
Error from server (NotFound): persistentvolumeclaims "webdav2" not found
igor@ubuntu-server:~$
```

## kubectl get pods

```
Терминал - igor@ubuntu-server: ~ — + ×

Файл Правка Вид Терминал Вкладки Справка

igor@ubuntu-server: ~ $ kubectl get pv

No resources found igor@ubuntu-server: ~ $ kubectl describe pv

No resources found in default namespace.
igor@ubuntu-server: ~ $ kubectl describe pvc

No resources found in default namespace.
igor@ubuntu-server: ~ $ kubectl describe pvc webdav2

Error from server (NotFound): persistentvolumeclaims "webdav2" not found
igor@ubuntu-server: ~ $ kubectl get pods

No resources found in default namespace.
igor@ubuntu-server: ~ $
```

## kubectl describe pods counter-app-88t67

```
Терминал-igor@ubuntu-server:~ — + ×

Файл Правка Вид Терминал Вкладки Справка

igor@ubuntu-server:~$ kubectl describe pv

No resources found in default namespace.
igor@ubuntu-server:~$ kubectl describe pvc

No resources found in default namespace.
igor@ubuntu-server:~$ kubectl describe pvc webdav2

Error from server (NotFound): persistentvolumeclaims "webdav2" not found
igor@ubuntu-server:~$ kubectl get pods

No resources found in default namespace.
igor@ubuntu-server:~$ kubectl describe pods counter-app-88t67

Error from server (NotFound): pods "counter-app-88t67" not found
igor@ubuntu-server:~$
```

```
Is

Терминал-igor@ubuntu-server:~

Файл Правка Вид Терминал Вкладки Справка

igor@ubuntu-server:~$ kubectl describe pvc webdav2

Error from server (NotFound): persistentvolumeclaims "webdav2" not found
igor@ubuntu-server:~$ kubectl get pods

No resources found in default namespace.
igor@ubuntu-server:~$ kubectl describe pods counter-app-88t67

Error from server (NotFound): pods "counter-app-88t67" not found
igor@ubuntu-server:~$ 

deployment_.yaml kubectl.sha256 minikube-linux-amd64 pod_.yaml replicaset_.yaml
igor@ubuntu-server:~$ ■
```

vi pv.yaml

```
🔻 ~/Микросервисная архитектура и контейнеризация/5. Сетевые абстракц – 🔸 🗴
File
     Edit Selection Find View Goto
                                     Tools Project Preferences
41
                                                          pv.yaml .
      apiVersion: v1
      kind: PersistenVolume
      metadata:
               name: pv
               capacity:
                         storage: 2Gi
               accessModes:

    ReadWriteOnce

                   path: /data
 11
 12
               storageClassName: local
Line 7, Column 18
                                                  Spaces: 2
                                                                  YAML
```

```
du -fs

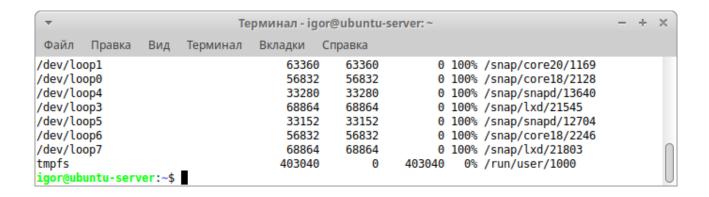
Терминал-igor@ubuntu-server:~ - + ×

Файл Правка Вид Терминал Вкладки Справка

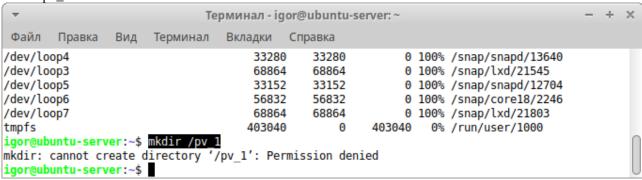
igor@ubuntu-server:~$ kubectl describe pods counter-app-88t67

Error from server (NotFound): pods "counter-app-88t67" not found
igor@ubuntu-server:~$ ls
deployment_.yaml kubectl.sha256 minikube-linux-amd64 pod_.yaml replicaset_.yaml
igor@ubuntu-server:~$ vi pv.yaml
igor@ubuntu-server:~$ du -fs
du: invalid option -- 'f'
Try 'du --help' for more information.
igor@ubuntu-server:~$ ■
```

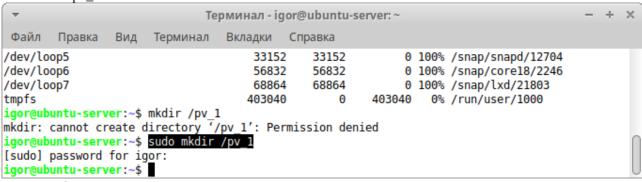
```
du
                              Терминал - igor@ubuntu-server: ~
                                                                                            ×
 Файл Правка Вид Терминал Вкладки Справка
933736 ./.minikube/cache
44
        ./.minikube/profiles/minikube
48
        ./.minikube/profiles
92
        ./.minikube/logs
        ./.minikube/files
4
        ./.minikube/certs
933968 ./.minikube
1004572 .
igor@ubuntu-server:~$
```



mkdir/pv\_1



sudo mkdir /pv\_1



vi pv2.yaml

```
🔻 ~/Микросервисная архитектура и контейнеризация/5. Сетевые абстракц 🗕 🕂 🗶
    Edit Selection Find View Goto
                                           Project Preferences
                                    Tools
4 >
                                                        pv2.yaml
      kind: PersistenVolume
      metadata:
               name: pv2
      spec:
               capacity:
                         storage: 5Gi
               accessModes:
                - ReadWriteOnce
               hostPath:
                   path: /pv 1
 11
 12
               storageClassName: local
Line 12, Column 32
                                                  Spaces: 8
                                                                 YAML
```

kubectl create -f pv2.yaml

```
Терминал - igor@ubuntu-server: ~ — + ×
Файл Правка Вид Терминал Вкладки Справка

tmpfs 403040 0 403040 0% /run/user/1000
igor@ubuntu-server: ~$ mkdir /pv_1
mkdir: cannot create directory '/pv_1': Permission denied
igor@ubuntu-server: ~$ sudo mkdir /pv_1
[sudo] password for igor:
igor@ubuntu-server: ~$ vi pv2.yaml
igor@ubuntu-server: ~$ kubectl create -f pv2.yaml
error: unable to recognize "pv2.yaml": no matches for kind "PersistenVolume" in version "v1"
igor@ubuntu-server: ~$ ■
```

kubectl get pv

```
Терминал-igor@ubuntu-server:~ — + ×
Файл Правка Вид Терминал Вкладки Справка
mkdir: cannot create directory '/pv_1': Permission denied
igor@ubuntu-server:~$ sudo mkdir /pv_1
[sudo] password for igor:
igor@ubuntu-server:~$ vi pv2.yaml
igor@ubuntu-server:~$ kubectl create -f pv2.yaml
error: unable to recognize "pv2.yaml": no matches for kind "PersistenVolume" in version "v1"
igor@ubuntu-server:~$ kubectl get pv
No resources found
igor@ubuntu-server:~$
```

kubectl describe pv2

```
▼ Tepминал-igor@ubuntu-server:~ - + ×

Файл Правка Вид Тepминал Вкладки Справка

[sudo] password for igor:
igor@ubuntu-server:~$ vi pv2.yaml
igor@ubuntu-server:~$ kubectl create -f pv2.yaml
error: unable to recognize "pv2.yaml": no matches for kind "PersistenVolume" in version "v1"
igor@ubuntu-server:~$ kubectl get pv

No resources found
igor@ubuntu-server:~$ kubectl describe pv2
error: the server doesn't have a resource type "pv2"
igor@ubuntu-server:~$ ■
```

kubectl describe pv pv2

```
Терминал - igor@ubuntu-server: ~ — + ×

Файл Правка Вид Терминал Вкладки Справка

igor@ubuntu-server: ~$ kubectl create - f pv2.yaml
error: unable to recognize "pv2.yaml": no matches for kind "PersistenVolume" in version "v1"
igor@ubuntu-server: ~$ kubectl get pv

No resources found
igor@ubuntu-server: ~$ kubectl describe pv2
error: the server doesn't have a resource type "pv2"
igor@ubuntu-server: ~$ kubectl describe pv pv2
Error from server (NotFound): persistentvolumes "pv2" not found
igor@ubuntu-server: ~$ ■
```

vi pod\_pv\_deployment.yaml

```
🔻 ~/Микросервисная архитектура и контейнеризация/5. Сетевые абстракции Kubernetes/pod_pv_deployment.ya 🚽 + 💢
            Selection Find View Goto Tools Project Preferences Help
41
                                                                                                   deployment.yaml x
        apiversion: apps/vi
kind: Deployment
        metadata:
          name: web
          selector:
matchLabels:
               app: web
          strategy:
rollingUpdate:
               maxSurge: 1
maxUnavailable: 1
             type: RollingUpdate
           template:
metadate:
                labels:
app: web
               initContainers:
- image: busybox
name: mount-permissons-fix
                  comand: ["sh", "-c", "chmod 777 /data"]
volumeMounts:
                  - name: data
mountPath: /metadata
               - image: nginx:1.14
name: nginx
                   - containersPort: 80
                    requests:
cpu: 100m
                        memory: 100Mi
                       cpu: 100Mimemory: 100Mi
                  - name: config
configMap:
name: web
                        claimName: webclaim
Line 17, Column 14
                                                                                                   Spaces: 2
                                                                                                                      YAML
```

vi conf\_map\_pv.yaml

```
🔻 ~/Микросервисная архитектура и контейнеризация/5. Сетевые абстракции Kubernetes/conf_map_pv.yaml - Sul 🗕 🔸 💢
        Edit Selection Find View Goto Tools Project Preferences Help
                                                                                                                                                      conf_map_pv.yaml x
           apiVrsion: v1
kind: ConfigMap
metadata:
name: web
 5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
            data:
default.conf: |
                    server {
listen
                                                    80 default_server;
                       listen 80 default_server;
server_name _;
default_type text/plain;
location / {
   alias /data;
   autoindex on;
   client_body_temp_path /tmp;
   dav_methods_PUT_DELETE_MKCOL_COPY_MOVE;
   create_full_put_path_on;
   dav_access_user:rw_all:r;
}
Line 21, Column 1
                                                                                                                                                       Spaces: 2
                                                                                                                                                                                    YAML
```

vi pvc\_2.yaml

kubectl create -f pvc\_2.yaml

kubectl create -f conf\_map\_pv.yaml

```
- + ×
                            Терминал - tolstikov@my3vm: ~
       Правка Вид Терминал Вкладки Справка
 Файл
tolstikov@my3vm:~$ kubectl create -f conf_map_pv.yaml
error: error validating "conf_map_pv.yaml": error validating data: apiVersion not set; if
you choose to ignore these errors, turn validation off with --validate=false
tolstikov@my3vm:~$ vi pvc_2.yaml
tolstikov@my3vm:~$ kubectl create -f pvc_2.yaml
error: error validating "pvc_2.yaml": error validating data: ValidationError(PersistentVo
lumeClaim.spec.resources): unknown field "reguests" in io.k8s.api.core.v1.ResourceRequire
ments; if you choose to ignore these errors, turn validation off with --validate=false
tolstikov@my3vm:~$ vi pvc_2.yaml
tolstikov@my3vm:~$ kubectl create -f pvc 2.yaml
persistentvolumeclaim/webclaim created
tolstikov@my3vm:~$
```

error: error validating "conf\_map\_pv.yaml": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with —validate=false

```
▼ Терминал - tolstikov@my3vm:~
Файл Правка Вид Терминал Вкладки Справка

re.vl.ResourceRequirements; if you choose to ignore these errors, turn validation off with --validate=false
tolstikov@my3vm:-$ vi pvc_2.yaml
persistentvolumeclaim/webclaim created
tolstikov@my3vm:-$ kubectl create -f pvc_2.yaml
persistentvolumeclaim/webclaim created
tolstikov@my3vm:-$ kubectl create -f conf_map_pv.yaml
error: error validating "conf_map_pv.yaml": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with --valid
ate=false
tolstikov@my3vm:-$ vi conf_map_pv.yaml
error: error validating "conf_map_pv.yaml": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with --valid
ate=false
tolstikov@my3vm:-$

Lostikov@my3vm:-$

Lostikov@my3vm:-$

Lostikov@my3vm:-$

Lostikov@my3vm:-$

Lostikov@my3vm:-$

Lostikov@my3vm:-$
```

```
терминал - tolstikov@my3vm:~ — + × Файл Правка Вид Терминал Вкладки Справка

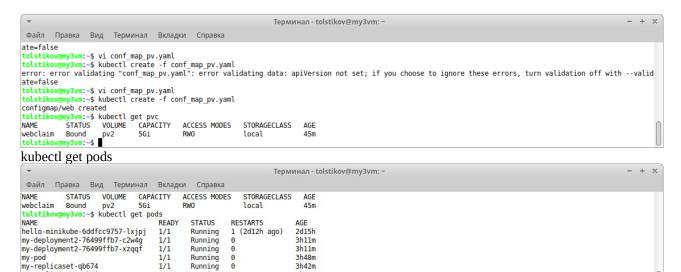
persistentvolumeclaim/webclaim created 
tolstikov@my3vm:-$ kubectl create - f conf_map_pv.yaml 
error: error validating "conf_map_pv.yaml": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with --valid 
ate=false 
tolstikov@my3vm:-$ kubectl create - f conf_map_pv.yaml 
error: error validating "conf_map_pv.yaml": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with --valid 
ate=false 
tolstikov@my3vm:-$ vi conf_map_pv.yaml": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with --valid 
ate=false 
tolstikov@my3vm:-$ vi conf_map_pv.yaml 
tolstikov@my3vm:-$ subectl create - f conf_map_pv.yaml 
configmap_yveb create - f conf_map_pv.yaml 
tolstikov@my3vm:-$ \text{$ L}

Configmap_pv.yaml 
tolstikov@my3vm:-$
```

## kubectl get pvc

my-replicaset-v5k2j

my-replicaset-wzfqm tolstikov@my3vm:~\$



## kubectl apply -f pod\_pv\_deployment.yaml

1/1

1/1

Running

Running

0

error: error parsing pod\_pv\_deployment.yaml: error converting YAML to JSON: yaml: line 37: mapping values are not allowed in this context

3h42m

3h39m

```
Терминал - tolstikov@my3vm:
    Файл Правка Вид Терминал Вкладки Справка
              Path:
                                                              /pv_1
               HostPathType:
                                    my3vm:~$ vi pod pv deployment.yaml
  tolstikov@
  tolstikov@my3vm:-$ vi pod_pv_deployment.yaml
tolstikov@my3vm:-$ vi conf_map_pv.yaml
tolstikov@my3vm:-$ vi conf_map_pv.yaml
 tolstikovemy3vm:-$ vi conf_map_pv.yaml
tolstikovemy3vm:-$ vi por_2.yaml
tolstikovemy3vm:-$ vi por_2.yaml
tolstikovemy3vm:-$ kubectl create -f conf_map_pv.yaml
error: error validating "conf_map_pv.yaml": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with --valid
error: error validating "conf_map_pv.yaml": error validating data: apiversion not set, if you should be a supported by a support of the stikovemy3vm:-$ vi pvc_2.yaml
tolstikovemy3vm:-$ kubectl create -f pvc_2.yaml
error: error validating "pvc_2.yaml": error validating data: ValidationError(PersistentVolumeClaim.spec.resources): unknown field "reguests" in io.k8s.api.co
re.v1.ResourceRequirements; if you choose to ignore these errors, turn validation off with --validate=false
tolstikovemy3vm:-$ vi pvc_2.yaml
tolstikovemy3vm:-$ vi pvc_2.yaml
tolstikovemy3vm:-$ kubectl create -f pvc_2.yaml
 tots involungs and an involunce laim/webclaim created tolstikov@my3vm:-$ kubectl create -f conf_map_pv.yaml error: error validating "conf_map_pv.yaml": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with --validation of the conf_map_pv.yaml tolstiful involved in the conf_map_pv.yaml tolstiful involved i
 error: error validating "cont_map_pv.yaml": error validating data: apiversion not set; if you choose to ignore these errors, turn validation off with --valid ate=false tolstikov@my3vm:-$ vi conf_map_pv.yaml tolstikov@my3vm:-$ kubectl create -f conf_map_pv.yaml error: error validating "conf_map_pv.yaml": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with --valid ate=false
tolstikov@my3vm:-$ vi conf_map_pv.yaml
tolstikov@my3vm:-$ kubectl create -f conf_map_pv.yaml
   configmap/web created
   tolstikov@my3vm:~$ kubectl get pvc
 NAME STATUS VOLUME CAPACI
webclaim Bound pv2 5Gi
tolstikov@my3vm:~$ kubectl get pods
                                                                                         CAPACITY
5Gi
                                                                                                                                  ACCESS MODES
                                                                                                                                                                                   STORAGECLASS
                                                                                                                                                                                                                                   AGE
  NAME
                                                                                                               READY
                                                                                                                                         STATUS
                                                                                                                                                                          RESTARTS
                                                                                                                                                                                                                              AGE
 hello-minikube-6ddfcc9757-lxjpj
my-deployment2-76499ffb7-c2w4g
                                                                                                                                          Running
Running
                                                                                                                                                                                                                             2d15h
3h11m
                                                                                                                                                                           1 (2d12h ago)
 my-deployment2-76499ffb7-xzqqf
my-pod
my-replicaset-qb674
                                                                                                                                          Running
                                                                                                                                                                                                                              3h11m
                                                                                                                                          Running
Running
                                                                                                                                                                                                                              3h48m
  mv-replicaset-v5k2i
                                                                                                                1/1
                                                                                                                                          Running
                                                                                                                                                                                                                              3h42m
 my-replicaset-wzfgm 1/1 Running 0 3h39m
tolstikov@my3vm:-$ kubectl apply -f pod pv deployment.yaml
error: error parsing pod pv deployment.yaml: error converting YAML to JSON: yaml: line 37: mapping values are not allowed in this context
   tolstikov@my3vm:~$ vi pod_pv_deployment.yaml
tolstikov@my3vm:~$ ^C
 tolstikov@my3vm:~$
```

error: error parsing pod\_pv\_deployment.yaml: error converting YAML to JSON: yaml: line 37: mapping values are not allowed in this context

```
Терминал - tolstikov@mv3vm:
     Файл Правка Вид Терминал Вкладки Справка
  tolstikov@my3vm:-$ vi conf_map_pv.yaml
tolstikov@my3vm:-$ vi conf_map_pv.yaml
tolstikov@my3vm:-$ vi pvc_2.yaml
tolstikov@my3vm:-$ vi pvc_2.yaml
tolstikov@my3vm:-$ vi pvc_2.yaml
error: error validating "conf_map_pv.yamle": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with --valid
  ate=false
 tolstikovemy3vm:-$ vi pvc_2.yaml
tolstikovemy3vm:-$ kubectl create -f pvc_2.yaml
error: error validating "pvc_2.yaml": error validating data: ValidationError(PersistentVolumeClaim.spec.resources): unknown field "reguests" in io.k8s.api.co
re.v1.ResourceRequirements; if you choose to ignore these errors, turn validation off with --validate=false
tolstikovemy3vm:-$ vi pvc_2.yaml
tolstikovemy3vm:-$ kubectl create -f pvc_2.yaml
  persistentvolumeclaim/webclaim created tolstikov@my3vm:~$ kubectl create -f c
                       Kentwotomectain, webclaim.

**Revemy3vm:-$ kubectl create -f conf_map_pv.yaml

error validating "conf_map_pv.yaml": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with --valid
  ate=false
  ate=nause
tolstikov@my3vm:-$ vi conf_map_pv.yaml
tolstikov@my3vm:-$ kubectl create -f conf_map_pv.yaml
error: error validating "conf_map_pv.yaml": error validating data: apiVersion not set; if you choose to ignore these errors, turn validation off with --valid
  error: error ...
ate=false
tolstikov@my3vm:-$ vi conf_map_pv.yaml
tolstikov@my3vm:-$ kubectl create -f conf_map_pv.yaml
  configmap/web created
tolstikov@my3vm:~$ kubectl get pvc
NAME STATUS VOLUME CAPACITY
webclaim Bound pv2 56i
                                                                                                                                 ACCESS MODES STORAGECLASS
                                                                                                                                                                                  local
   tolstikov@my3vm:~$ kubectl get pods
                                                                                                              READY
                                                                                                                                        STATUS
                                                                                                                                                                       RESTARTS
  hello-minikube-6ddfcc9757-lxjpj
                                                                                                              1/1
                                                                                                                                        Running
                                                                                                                                                                       1 (2d12h ago)
                                                                                                                                                                                                                           2d15h
  my-deployment2-76499ffb7-c2w4g
my-deployment2-76499ffb7-xzqqf
                                                                                                                                        Running
                                                                                                                                                                                                                            3h11m
                                                                                                                                        Running
  my-pod
my-replicaset-qb674
my-replicaset-v5k2j
                                                                                                              1/1
                                                                                                                                        Runnina
                                                                                                                                                                                                                            3h48m
                                                                                                                                        Running
Running
                                                                                                              1/1
                                                                                                                                                                                                                            3h42m
my-replicaset-v5k2j 1/1 Running 0 3h42m
my-replicaset-vzfqm 1/1 Running 0 3h39m
tolstikow_my3vm:-$ kubectl apply -f pod_pv_deployment.yaml
error: error parsing pod_pv_deployment.yaml: error converting YAML to JSON: yaml: line 37: mapping values are not allowed in this context
tolstikow_my3vm:-$ ^C
tolstikow_my3vm:-$ vi pod_pv_deployment.yaml
tolstikow_my3vm:-$ vi pod_pv_deployment.yaml
error: error parsing pod_pv_deployment.yaml: error converting YAML to JSON: yaml: line 37: mapping values are not allowed in this context
tolstikow_my3vm:-$ vi pod_pv_deployment.yaml: error converting YAML to JSON: yaml: line 37: mapping values are not allowed in this context
tolstikow_my3vm:-$ vi pod_pv_deployment.yaml: error converting YAML to JSON: yaml: line 37: mapping values are not allowed in this context
tolstikow_my3vm:-$ vi pod_pv_deployment.yaml
error: error parsing pod_pv_deployment.yaml: error converting YAML to JSON: yaml: line 37: mapping values are not allowed in this context
tolstikow_my3vm:-$ \lambda tolst
```

error: error validating "pod\_pv\_deployment.yaml": error validating data:

ValidationError(Deployment.spec.template.spec.containers[0].resources): unknown field "volumeMounts" in io.k8s.api.core.v1.ResourceRequirements; if you choose to ignore these errors, turn validation off with — validate=false

vi pod\_pv\_deployment.yaml

```
Терминал - tolstikov@my3vm: ~
                                                                                       - + \times
 Файл Правка Вид
                      Терминал Вкладки Справка
apiVersion: apps/vl
kind: Deployment
metadata:
 name: web
spec:
 replicas: 2
 selector:
   matchLabels:
     app: web
 strategy:
   rollingUpdate:
     maxSurge: 1
     maxUnavailable: 1
   type: RollingUpdate
 template:
   metadata:
      labels:
       app: web
   spec:
     initContainers:
      - image: busybox
       name: mount-permissions-fix
       command: ["sh", "-c", "chmod 777 /data"]
       volumeMounts:
        - name: data
         mountPath: /data
     containers:
      - image: nginx:1.14
       name: nginx
       ports:
        - containerPort: 80
        resources:
          requests:
           cpu: 100m
            memory: 100Mi
          limits:
            cpu: 100Mi
            memory: 100Mi
         volumeMounts:
          - name: config
           mountPath: /etc/nginx/conf.d
          - name: data
           mountPath: /data
     volumes:

    name: config

        configMap:
         name: web
      - name: data
        persistentVolumeClaim:
                                                                           1,19
                                                                                          Top
```

vi conf\_map\_pv.yaml

```
×
                              Терминал - tolstikov@my3vm: ~
                                                                                      - +
 Файл Правка
                Вид
                      Терминал
                                  Вкладки Справка
apiVersion: v1
kind: ConfigMap
metadata:
 name: web
data:
 default.conf: |
   server {
      listen
                    80 default_server;
     server_name _;
     default_type text/plain;
      location / {
        alias /data;
       autoindex on;
       client_body_temp_path /tmp;
       dav_methods PUT DELETE MKCOL COPY MOVE;
       create_full_put_path on;
       dav access user:rw all:r;
                                                                                         All
                                                                           1,1
```

vi pvc\_2.yaml

```
Терминал - tolstikov@my3vm: ~
                                                                                        +
                                                                                            ×
 Файл Правка
                Вид
                      Терминал Вкладки Справка
kind: PersistentVolumeClaim
apiVersion: vl
metadata:
 name: webclaim
spec:
 accessModes:
 - ReadWriteOnce
 resources:
    requests:
     storage: 5Gi
 storageClassName: local
"pvc_2.yaml" 13L, 190C
                                                                          13,0-1
                                                                                        All
```

kubectl create -f conf\_map\_pv.yaml

Error from server (AlreadyExists): error when creating "conf\_map\_pv.yaml": configmaps "web" already exists

kubectl create -f pvc\_2.yaml

Error from server (AlreadyExists): error when creating "pvc\_2.yaml": persistentvolumeclaims "webclaim" already exists

kubectl get pvc

```
Терминал - tolstikov@my3vm: ~
 Файл Правка Вид Терминал
                                 Вкладки Справка
 * Support:
                   https://ubuntu.com/advantage
Last login: Sat Nov 6 05:55:53 2021 from 109.252.20.121
tolstikov@my3vm:~$ vi pod_pv_deployment.yaml
tolstikov@my3vm:~$ vi conf_map_pv.yaml
tolstikov@my3vm:~$ vi pvc_2.yaml
tolstikov@my3vm:~$ kubectl create -f conf map pv.yaml
Error from server (AlreadyExists): error when creating "conf_map_pv.yaml": configmaps "web"
already exists
tolstikov@my3vm:~$ kubectl create -f pvc 2.yaml
Error from server (AlreadyExists): error when creating "pvc 2.yaml": persistentvolumeclaims
"webclaim" already exists
tolstikov@my3vm:~$ kubectl get pvc
NAME
           STATUS
                    VOLUME
                             CAPACITY
                                        ACCESS MODES
                                                       STORAGECLASS
                                                                      AGE
webclaim
          Bound
                             5Gi
                                        RW0
                                                       local
                                                                      21h
                    pv2
tolstikov@my3vm:~$
```

kubectl get pv

```
Терминал - tolstikov@my3vm: ~
 Файл Правка Вид
                     Терминал
                                 Вкладки Справка
tolstikov@my3vm:~$ kubectl create -f conf map pv.yaml
Error from server (AlreadyExists): error when creating "conf map pv.yaml": configmaps "web"
already exists
tolstikov@my3vm:~$ kubectl create -f pvc_2.yaml
Error from server (AlreadyExists): error when creating "pvc_2.yaml": persistentvolumeclaims
"webclaim" already exists
tolstikov@my3vm:~$ kubectl get pvc
NAME
           STATUS
                    VOLUME
                             CAPACITY
                                        ACCESS MODES
                                                       STORAGECLASS
                                                                       AGE
webclaim
          Bound
                    pv2
                             5Gi
                                        RW0
                                                       local
                                                                       21h
tolstikov@my3vm:~$ kubectl get pv
NAME
       CAPACITY
                 ACCESS MODES
                                 RECLAIM POLICY
                                                  STATUS
                                                           CLAIM
                                                                               STORAGECLASS
REASON
          AGE
                  RW0
                                 Retain
                                                  Bound
                                                           default/webclaim
                                                                               local
pv2
       5Gi
          23h
tolstikov@my3vm:~$
```

kubectl get pods

_ 0 1							
▼	Терминал - tolstikov@my3vm: ~						- ×
Файл Правка Вид Терминал	Вкладки Справк	a					
webclaim Bound pv2 5G		DES STORAGECLASS local	AGE 21h				
tolstikov@my3vm:~\$ kubectl get p NAME CAPACITY ACCESS MODES pv2 5Gi RWO tolstikov@my3vm:~\$ kubectl get p	RECLAIM POLICY Retain	STATUS CLAIM Bound default/w	webclaim	STORAGECLASS local	REASON	AGE 23h	
NAME hello-minikube-6ddfcc9757-lxjpj my-deployment2-76499ffb7-c2w4g my-deployment2-76499ffb7-xzqqf my-pod my-replicaset-qb674 my-replicaset-v5k2j my-replicaset-wzfqm tolstikov@my3vm:~\$	READY STATUS 1/1 Running	1 (3d10h ago) 0 0 0 0 0	AGE 3d12h 24h 24h 24h 24h 24h 24h				

kubectl apply -f pod\_pv\_deployment.yaml

error: error validating "pod\_pv\_deployment.yaml": error validating data:

ValidationError(Deployment.spec.template.spec.containers[0].resources): unknown field "volumeMounts" in io.k8s.api.core.v1.ResourceRequirements; if you choose to ignore these errors, turn validation off with -- validate=false

kubectl describe pv pv2