vi deployment_probes.yaml

```
Терминал-tolstikov@my3vm:-

— + х

Файл Правка Вид Терминал Вкладом Справка

— заричетаюн: apps/v1

кили: Deployment

валае: app.probe
spec:
replicas: 1
    selector:
    natchabels:
    app: app.probe
spec:
containers:
    -image: nginx:1.12
    marchiaers.
    range: nginx:1.12
    ports: app: nginx:1.12
    ports: app: nginx:1.12
    ports: bo
    readinesProbe:
    failureThreshold: 3
    http6et:
    ppr: 30
    periodSeconds: 10
    successThreshold: 3
    httpict:
    port: 80
    periodSeconds: 10
    successThreshold: 3
    httpict:
    port: 80
    portsofSeconds: 10
    successThreshold: 1
    timeoutSeconds: 60
    livenesSrobes:
    failureThreshold: 1
    timeoutSeconds: 60
    livenesSrobes: 10
    successThreshold: 1
    timeoutSeconds: 60
    linitialDelaySeconds: 10
```

kubectl apply -f deployment_probes.yaml

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

Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.4.0-89-generic x86_64)

* Documentation: https://help.ubuntu.com

* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/advantage
Last login: Sun Nov 7 18:00:24 2021 from 109.252.20.121

tolstikov@my3vm:~$ vi deployment_probes.yaml
tolstikov@my3vm:~$ kubectl apply -f deployment_probes.yaml
deployment.apps/app-probe created
tolstikov@my3vm:~$

■
```

kubectl get pods

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

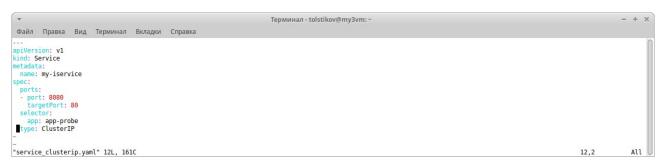
tolstikov@my3vm:-$ kubectl apply -f deployment_probes.yaml
deployment.apps/app-probe created
tolstikov@my3vm:-$ vi deployment_probes.yaml
tolstikov@my3vm:-$ kubectl get pods

NAME READY STATUS RESTARTS AGE
app-probe-f775c7b8f-prn4r 1/1 Running 0 4m52s
pg-db-ff476d4cf-xkxhn 1/1 Running 0 42m
tolstikov@my3vm:-$ kubectl describe pod app-probe-f775c7b8f-prn4r
```

kubectl describe pod app-probe-f775c7b8f-prn4r

```
Терминал - tolstikov@my3vm: ~
 Файл Правка Вид Терминал Вкладки Справка
tolstikov@my3vm:~$ kubectl describe pod app-probe-f775c7b8f-prn4r
Name:
             app-probe-f775c7b8f-prn4r
Namespace:
              pg
Priority:
              0
Node:
              minikube/192.168.49.2
Start Time:
              Sun, 07 Nov 2021 18:32:38 +0000
Labels:
              app=app-probe
              pod-template-hash=f775c7b8f
Annotations: <none>
Status:
              Running
IP:
              172.17.0.13
IPs:
 IP:
                172.17.0.13
Controlled By: ReplicaSet/app-probe-f775c7b8f
Containers:
  nginx:
    Container ID:
                    docker://a9abba1dfc518a66e91e4e2d1a8c10128963730cf532e85a66aba418305c35a0
    Image:
                    nginx:1.20
                    docker-pullable://nginx@sha256:9e37120c97a0787656cad9c24c3a5d5d606a770523144d01eae6734095a92c20
    Image ID:
                    80/TCP
    Port:
    Host Port:
                    0/TCP
                    Running
    State:
                    Sun, 07 Nov 2021 18:32:39 +0000
      Started:
    Ready:
                    True
    Restart Count:
    Liveness:
                    http-get http://:80/ delay=10s timeout=60s period=10s #success=1 #failure=3
    Readiness:
                    http-get http://:80/ delay=0s timeout=60s period=10s #success=1 #failure=3
    Environment:
                    <none>
      /var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-dcsvd (ro)
Conditions:
                    Status
  Type
  Initialized
                    True
  Ready
                    True
  ContainersReady
                    True
  PodScheduled
                    True
Volumes:
  kube-api-access-dcsvd:
                             Projected (a volume that contains injected data from multiple sources)
    TokenExpirationSeconds:
                             3607
    ConfigMapName:
                             kube-root-ca.crt
    ConfigMapOptional:
                             <nil>
    DownwardAPI:
                             true
QoS Class:
                             BestEffort
Node-Selectors:
                             <none>
                             node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
Tolerations:
                             node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Events:
  Type
           Reason
                      Age From
                                               Message
  Normal
           Scheduled 10m
                            default-scheduler
                                               Successfully assigned pg/app-probe-f775c7b8f-prn4r to minikube
  Normal
           Pulled
                     10m
                            kubelet
                                               Container image "nginx:1.20" already present on machine
  Normal
           Created
                     10m
                            kubelet
                                               Created container nginx
           Started
                     10m
                            kubelet
                                               Started container nginx
  Normal
  Warning Unhealthy 10m
                                               Readiness probe failed: Get "http://172.17.0.13:80/": dial tcp 172.17.
                            kubelet
0.13:80: connect: connection refused
tolstikov@my3vm:~$
```

vi service_clusterip.yaml



```
Терминал - tolstikov@my3vm: ~
 Файл
        Правка Вид Терминал Вкладки
                                              Справка
Events:
            Reason
                        Age
                              From
                                                   Message
  Type
                                                   Successfully assigned pg/app-probe-f775c7b8f-prn4r to minikube Container image "nginx:1.20" already present on machine
  Normal
            Scheduled 10m
                              default-scheduler
  Normal
            Pulled
                        10m
                              kubelet
                                                   Created container nginx
                              kubelet
  Normal
            Created
                        10m
            Started
                        10m
                              kubelet
                                                   Started container nginx
  Normal
                                                   Readiness probe failed: Get "http://172.17.0.13:80/": dial tcp 172.17.
  Warning Unhealthy 10m
                              kubelet
0.13:80: connect: connection refused
tolstikov@my3vm:~$ vi service_clusterip.yaml
tolstikov@my3vm:~$ kubectl create -f service_clusterip.yaml
service/my-iservice_created
tolstikov@my3vm:~$
```

kubectl get services

```
Терминал - tolstikov@my3vm: ~
 Файл Правка Вид Терминал Вкладки Справка
                                                  Successfully assigned pg/app-probe-f775c7b8f-prn4r to minikube Container image "nginx:1.20" already present on machine
            Scheduled
                       10m
                              default-scheduler
  Normal
  Normal
            Pulled
                       10m
                              kubelet
  Normal
            Created
                       10m
                              kubelet
                                                   Created container nginx
  Normal
            Started
                       10m
                              kubelet
                                                   Started container nginx
                                                  Readiness probe failed: Get "http://172.17.0.13:80/": dial tcp 172.17.
  Warning Unhealthy 10m
                              kubelet
0.13:80: connect: connection refused
tolstikov@my3vm:~$ vi service_clusterip.yaml
tolstikov@my3vm:~$ kubectl create -f service_clusterip.yaml
service/my-iservice created
tolstikov@my3vm:~$ kubectl get services
               TYPE
                            CLUSTER-IP
                                            EXTERNAL-IP
                                                           PORT(S)
                                                                       AGE
               ClusterIP
                            10.107.75.36
                                                           8080/TCP
mv-iservice
                                                                       97s
                                            <none>
tolstikov@my3vm:~$
```

kubectl describe service my-iservice

```
Терминал - tolstikov@my3vm: ~
 Файл Правка Вид Терминал Вкладки Справка
tolstikov@my3vm:~$ kubectl describe service my-iservice
                   my-iservice
Namespace:
                   pq
Labels:
                   <none>
Annotations:
                   <none>
Selector:
                   app=app-probe
                   ClusterIP
Type:
IP Family Policy:
                   SingleStack
IP Families:
                   IPv4
TP:
                   10.107.75.36
                   10.107.75.36
IPs:
Port:
                   <unset> 8080/TCP
TargetPort:
                   80/TCP
Endpoints:
                   172.17.0.13:80
Session Affinity:
                   None
                   <none>
tolstikov@
          my3vm:~$
```

minikube addons enable ingress

```
Терминал - tolstikov@my3vm:- — + х
Файл Правка Вид Терминал Вкладки Справка

IP Families: IPv4

IP: 10.107.178.92

IPs: 10.107.178.92

Port: <unset> 8080/TCP

Endpoints: 172.17.0.10:80

Session Affinity: None

Events: <unset> none>

**Clostikov@my3vm:-$ minikube addons enable ingress

• Using image k8s.gcr.io/ingress-nginx/kube-webhook-certgen:v1.0

• Using image k8s.gcr.io/ingress-nginx/kube-webhook-vertgen:v1.0

• Using image k8s.gcr.io/ingress-nginx/controller:v1.0.0-beta.3

✓ Verifying ingress addon...

**The 'ingress' addon is enabled

**tolstikov@my3vm:-$ ■

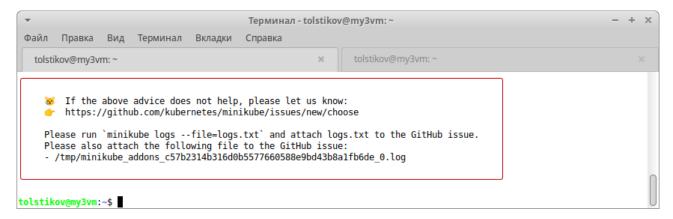
**Ingress' addon is enabled

**tolstikov@my3vm:-5 ■
```



kubectl get pods -n ingress-nginx





kubectl create deployment web —image=gcr.io/google-samples/hello-app:1.0

```
Терминал - tolstikov@my3vm:~ — + × Файл Правка Вид Терминал Вкладки Справка неприментальной правка Вид Терминал Вкладки Правка Вид Терминал - tolstikov@my3vm:~ $ kunning 0 28h му-герцісавет-vsk2j 1/1 Running 0 58h му-герцісавет-vsk2j 1/1 Running 0 58h му-герцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-терцісавет-му-
```

kubectl create deployment web2 —image=gcr.io/google-samples/hello-app:1.0

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

му-deployment2-76499ffb7-xzqqf 1/1 Running 0 27h
му-pod 1/1 Running 0 28h
му-replicaset-qb674 1/1 Running 0 28h
му-replicaset-vb8zj 1/1 Running 0 28h
му-replicaset-wzfqm 1/1 Running 0 58h
му-replicaset-wzfqm 1/1 Running 0 58h
му-replicaset-wzfqm 1/1 Running 0 58h
миме 1/1 Running 0 58m34s
ingress-nginx-admission-create--1-fxdbm 0/1 Completed 0 58m34s
ingress-nginx-controller-69bdbc4d57-xwvpp 1/1 Running 0 58m35s
tolstikov@my3vm:-5 kubectl create deployment web -image=gcr.io/google-samples/hello-app:1.0
Error: required flag(s) "image" not set
tolstikov@my3vm:-5 kubectl create deployment web2 -image=gcr.io/google-samples/hello-app:1.0
Error: required flag(s) "image" not set
tolstikov@my3vm:-5 ### Mimage | Mim
```

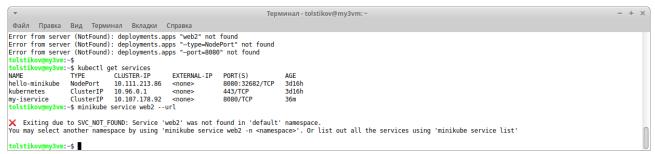
kubectl expose deployment web2 —type=NodePort —port=8080

```
Терминал-tolstikov@my3vm:~ — + × Файл Правка Вид Терминал Вкладки Справка my-replicaset-wzfqm 1/1 Running 0 28h tolstikov@my3vm:~$ kubectl get pods -n ingress-nginx READV STATUS RESTARTS AGE ingress-nginx-admission-create--1-fxdbm 0/1 Completed 0 5m34s ingress-nginx-controller-69bdc4657-xwvp 1/1 Running 0 5m35s tolstikov@my3vm:~$ kubectl create deployment web —image=gcr.io/google-samples/hello-app:1.0 Error: required flag(s) "image" not set tolstikov@my3vm:~$ kubectl create deployment web 2—image=gcr.io/google-samples/hello-app:1.0 Error: required flag(s) "image" not set tolstikov@my3vm:~$ kubectl create deployment web2 —image=gcr.io/google-samples/hello-app:1.0 Error: required flag(s) "image" not set tolstikov@my3vm:~$ kubectl expose deployment web2 —type=NodePort —port=8080 Error from server (NotFound): deployments.apps "web2" not found Error from server (NotFound): deployments.apps "web2" not found Error from server (NotFound): deployments.apps "-type=NodePort" not found Error from server (NotFound): deployments.apps "-type=NodePort" not found tolstikov@my3vm:~$ ■
```

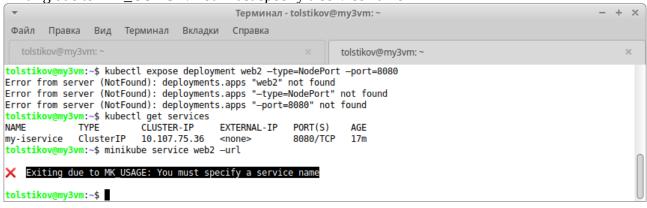
kubectl get services

minikube service web2 —url

Exiting due to SVC_NOT_FOUND: Service 'web2' was not found in 'default' namespace. You may select another namespace by using 'minikube service web2 -n <namespace>'. Or list out all the services using 'minikube service list'



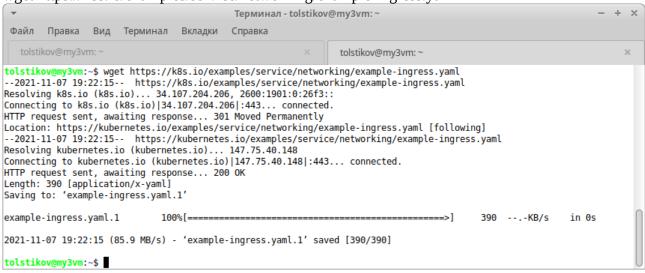
Exiting due to MK_USAGE: You must specify a service name



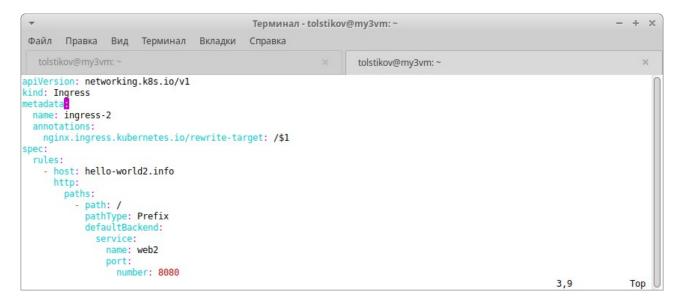
vi hw.yaml

```
🔻 /home/igor/Микросервисная архитектура и контейнеризация/5. Сетевые абстракц — 🔸 💢
Файл Правка Поиск Вид Документ Справка
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
        name: my-ingress
        annotation:
                nginx.ingress.kubernetes.io/rewrite-target: /$1
spec:
        rules:
            -host: hello-world.info
            http:
                    paths:
                           -path: /
                            pathtape: Prefix
                            backend:
                                service:
                                    name: web2
                                    port:
                                       number: 8080
```

wget https://k8s.io/examples/service/networking/example-ingress.yaml



vi example-ingress.yaml



kubectl apply -f example-ingress.yaml

error: error validating "example-ingress.yaml": error validating data:

[ValidationError(Ingress.spec.rules[0].http.paths[0]): unknown field "defaultBackend" in io.k8s.api.networking.v1.HTTPIngressPath, ValidationError(Ingress.spec.rules[0].http.paths[0]): missing required field "backend" in io.k8s.api.networking.v1.HTTPIngressPath]; if you choose to ignore these errors, turn validation off with --validate=false

```
Терминал - tolstikov@my3vm: ~
  Файл Правка
                       Вид Терминал Вкладки
    tolstikov@my3vm: ~
                                                                                           tolstikov@my3vm: ~
Resolving kubernetes.io (kubernetes.io)... 147.75.40.148
Connecting to kubernetes.io (kubernetes.io)|147.75.40.148|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 390 [application/x-yaml]
Saving to: 'example-ingress.yaml.1'
                                           100%[====
example-ingress.yaml.1
                                                                                                                                 390 --.-KB/s
                                                                                                                                                         in 0s
2021-11-07 19:22:15 (85.9 MB/s) - 'example-ingress.yaml.1' saved [390/390]
 tolstikov@my3vm:~$ vi example-ingress.yaml
tolstikov@my3vm:~$ kubectl apply -f example-ingress.yaml
error: error validating "example-ingress.yaml": error validating data: [ValidationError(Ingress.spec.rules[0].http.paths
[0]): unknown field "defaultBackend" in io.k8s.api.networking.vl.HTTPIngressPath, ValidationError(Ingress.spec.rules[0].
http.paths[0]): missing required field "backend" in io.k8s.api.networking.vl.HTTPIngressPath]; if you choose to ignore t
hese errors, turn validation off with --validate=false
tolstikov@my3vm:~$ vi example-ingress.yaml
tolstikov@my3vm:~$ <u>^</u>C
 tolstikov@my3vm:~$
                                                              Терминал - tolstikov@my3vm: ~
 Файл Правка Вид Терминал Вкладки
                                                            Справка
    tolstikov@my3vm: ~
                                                                                           tolstikov@my3vm: ~
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata
  name: ingress-3
     nginx.ingress.kubernetes.io/rewrite-target: /$1
   rules:
     - host: hello-world3.info
        http:
           paths:
              - path: /
                 pathType: Prefix
                 defaultBackend:
                    service:
                      name: web3
                      port:
                         number: 8080
:wq
```

kubectl apply -f example-ingress.yaml

error: error validating "example-ingress.yaml": error validating data: [ValidationError(Ingress.metadata): unknown field "annotation" in io.k8s.apimachinery.pkg.apis.meta.v1.ObjectMeta, ValidationError(Ingress.spec.rules[0].http.paths[0]): unknown field "pathtape" in io.k8s.api.networking.v1.HTTPIngressPath, ValidationError(Ingress.spec.rules[0].http.paths[0]): missing required field "pathType" in io.k8s.api.networking.v1.HTTPIngressPath]; if you choose to ignore these errors, turn validation off with --validate=false

kubectl apply -f example-ingress.yaml

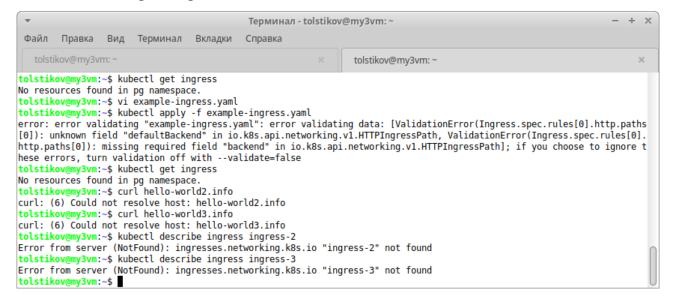
```
Терминал - tolstikov@my3vm:
   Файл Правка Вид Терминал Вкладки Справка
 ingress-nginx-controller-69bdbc4d57-xwvpp 1/1 Running 0 5m35s
tolstikov@my3vm:-$ kubectl create deployment web -image=gcr.io/google-samples/hello-app:1.0
Error: required flag(s) "image" not set
tolstikov@my3vm:-$ kubectl create deployment web2 -image=gcr.io/google-samples/hello-app:1.0
Error: required flag(s) "image" not set
tolstikov@my3vm:-$ kubectl expose deployment web2 -type=NodePort -port=8080
 Error from server (NotFound): deployments.apps "web2" not found
Error from server (NotFound): deployments.apps "-type=NodePort" not found
Error from server (NotFound): deployments.apps "-port=8080" not found
 tolstikov@my3vm:~$
tolstikov@my3vm:~$ kubectl get services
                                                                                                                  EXTERNAL-IP
                                                                          CLUSTER-IF
                                            TYPE
 hello-minikube NodePort
                                                                         10.111.213.86
                                                                                                                   <none>
                                                                                                                                                     8080:32682/TCP
                                                                                                                                                                                                 3d16h
 kubernetes
                                           ClusterIP 10.96.0.1
ClusterIP 10.107.178.92
                                                                                                                                                      443/TCP
 my-iservice
                                                                                                                   <none>
 tolstikov@my3vm:~$ minikube service web2 --url
 ★ Exiting due to SVC_NOT_FOUND: Service 'web2' was not found in 'default' namespace.
You may select another namespace by using 'minikube service web2 -n <namespace>'. Or list out all the services using 'minikube service list'
                              y3vm:~$ curl http://10.111.213.86
 curl: (28) Failed to connect to 10.111.213.86 port 80: Connection timed out
 tolstikov@my3vm:~$ vi hw.yaml
tolstikov@my3vm:~$ vi hw.yaml
tolstikov@my3vm:-$ vi hw.yaml
tolstikov@my3vm:-$ vi hw.yaml
tolstikov@my3vm:-$ vi hw.yaml
tolstikov@my3vm:-$ vi example-ingress.yaml
tolstikov@my3vm:-$ kubectl apply -f example-ingress.yaml
error: error validating "example-ingress.yaml": error validating data: [ValidationError(Ingress.metadata): unknown field "annotation" in io.k8s.apimachiner
y.pkg.apis.meta.v1.ObjectMeta, ValidationError(Ingress.spec.rules[0].http.paths[0]): unknown field "pathtape" in io.k8s.api.networking.v1.HTTPIngressPath,
ValidationError(Ingress.spec.rules[0].http.paths[0]): missing required field "pathType" in io.k8s.api.networking.v1.HTTPIngressPath]; if you choose to igno
re these errors, turn validation off with --validate=false
tolstikov@my3vm:-$ vi example-ingress.yaml
error: error validating "example-ingress.yaml": error validating data: [ValidationError(Ingress.spec.rules[0].http.paths[0]): unknown field "pathtape" in io.k8s.api.networking.v1.HTTPIngressPath], ValidationError(Ingress.spec.rules[0].http.paths[0]): missing required field "pathType" in io.k8s.api.networking.v1
l.HTTPIngressPath], if you choose to ignore these errors, turn validation off with --validate=false
tolstikov@my3vm:-$ vi example-ingress.yaml
ingress.networking.v8s.io/ingress-2 created
 ingress.networking.k8s.io/ingress-2 created tolstikov@my3vm:~$
```

kubectl get ingress

```
Терминал - tolstikov@my3vm:~
Файл Правка Вид Терминал Вкладки Справка
re these errors, turn validation off with --validate=false
tolstikov@my3vm:-$ vi example-ingress.yaml
tolstikov@my3vm:-$ kubectl apply -f example-ingress.yaml
error: error validating "example-ingress.yaml": error validating data: [ValidationError(Ingress.spec.rules[0].http.paths[0]): unknown field "pathtape" in i
o.k8s.api.networking.v1.HTTPIngressPath, ValidationError(Ingress.spec.rules[0].http.paths[0]): missing required field "pathType" in io.k8s.api.networking.v
1.HTTPIngressPath]; if you choose to ignore these errors, turn validation off with --validate=false
tolstikov@my3vm:-$ kubectl apply -f example-ingress.yaml
tolstikov@my3vm:-$ kubectl apply -f example-ingress.yaml
ingress.networking.k8s.io/ingress-2 created
tolstikov@my3vm:-$ kubectl apply -f example-ingress
NAME CLASS HOSTS ADDRESS PORTS AGE
ingress-2 nginx hello-world2.info 192.168.49.2 80 99s
tolstikov@my3vm:-$ ■
```

```
Терминал - tolstikov@my3vm: ~
 Файл Правка Вид Терминал Вкладки
                                                                Справка
    tolstikov@my3vm: ~
                                                                                              tolstikov@my3vm: ~
error: error validating "example-ingress.yaml": error validating data: [ValidationError(Ingress.spec.rules[0].http.paths
[0]): unknown field "defaultBackend" in io.k8s.api.networking.v1.HTTPIngressPath, ValidationError(Ingress.spec.rules[0]. http.paths[0]): missing required field "backend" in io.k8s.api.networking.v1.HTTPIngressPath]; if you choose to ignore t
hese errors, turn validation off with --validate=false
tolstikov@my3vm:~$ kubectl get ingress
No resources found in pg namespace.
tolstikov@my3vm:~$ vi example-ingress.yaml
tolstikov@my3vm:-$ kubectl apply -f example-ingress.yaml
error: error validating "example-ingress.yaml": error validating data: [ValidationError(Ingress.spec.rules[0].http.paths
[0]): unknown field "defaultBackend" in io.k8s.api.networking.v1.HTTPIngressPath, ValidationError(Ingress.spec.rules[0].
http.paths[0]): missing required field "backend" in io.k8s.api.networking.v1.HTTPIngressPath]; if you choose to ignore t
hese errors, turn validation off with --validate=false
tolstikov@my3vm:~$ kubectl get ingress
No resources found in pg namespace.
tolstikov@my3vm:~$ curl hello-world2.info
curl: (6) Could not resolve host: hello-world2.info
tolstikov@my3vm:~$ curl hello-world3.info
curl: (6) Could not resolve host: hello-world3.info
tolstikov@my3vm:~$
```

kubectl describe ingress ingress-2



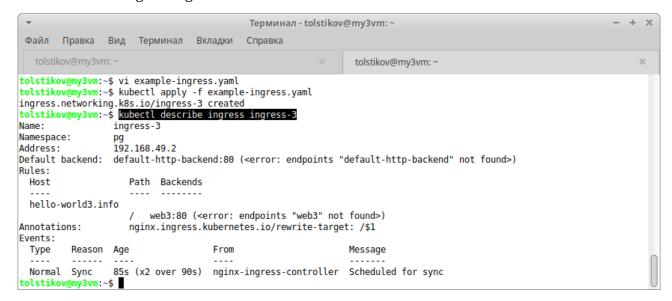
vi example-ingress.yaml

```
Терминал - tolstikov@my3vm: ~
Файл Правка Вид Терминал
                                 Вкладки
  tolstikov@my3vm: ~
                                                                 tolstikov@my3vm: ~
kind: Ingress
metadata
 name: ingress-3
 annotations:
   nginx.ingress.kubernetes.io/rewrite-target: /$1
 rules:
    - host: hello-world3.info
     http:
        paths:
          path: /
            pathType: Prefix
            backend:
              service:
                name: web3
                port:
                  number: 80
:wq
```

kubectl apply -f example-ingress.yaml

```
Терминал - tolstikov@my3vm: ~
 Файл Правка Вид Терминал Вкладки
                                                Справка
   tolstikov@my3vm: ~
                                                                         tolstikov@my3vm: ~
tolstikov@my3vm:~$ kubectl apply -f example-ingress.yaml
error: error validating "example-ingress.yaml": error validating data: [ValidationError(Ingress.spec.rules[0].http.paths [0]): unknown field "defaultBackend" in io.k8s.api.networking.v1.HTTPIngressPath, ValidationError(Ingress.spec.rules[0].
http.paths[0]): missing required field "backend" in io.k8s.api.networking.v1.HTTPIngressPath]; if you choose to ignore t
hese errors, turn validation off with --validate=false
tolstikov@my3vm:~$ kubectl get ingress
No resources found in pg namespace.
tolstikov@my3vm:~$ curl hello-world2.info
curl: (6) Could not resolve host: hello-world2.info
tolstikov@my3vm:~$ curl hello-world3.info
curl: (6) Could not resolve host: hello-world3.info
tolstikov@my3vm:~$ kubectl describe ingress ingress-2
Error from server (NotFound): ingresses.networking.k8s.io "ingress-2" not found
tolstikov@my3vm:~$ kubectl describe ingress ingress-3
Error from server (NotFound): ingresses.networking.k8s.io "ingress-3" not found
tolstikov@my3vm:~$ vi example-ingress.yaml
tolstikov@my3vm:~$ kubectl apply -f example-ingress.yaml
ingress.networking.k8s.io/ingress-3 created
tolstikov@my3vm:~$
```

kubectl describe ingress ingress-3



kubectl get ingress

```
Терминал - tolstikov@my3vm: ~
 Файл Правка Вид Терминал Вкладки
                                                               tolstikov@mv3vm: ~
 hello-world3.info
                       web3:80 (<error: endpoints "web3" not found>)
Annotations:
                    nginx.ingress.kubernetes.io/rewrite-target: /$1
Events:
         Reason Age
                                    From
 Type
 Normal Sync
                 85s (x2 over 90s) nginx-ingress-controller Scheduled for sync
tolstikov@my3vm:~$ kubectl get ingress
           CLASS HOSTS
                                       ADDRESS
                                                      PORTS
                                                              AGE
                   hello-world3.info
ingress-3 nginx
                                       192.168.49.2
                                                     80
                                                              4m19s
tolstikov@my3vm:~$
```

