

Поды

```
• roman@roman-Lenovo-V15-G2-ALC:~/sibsutis/acs2024/lab5/minikube-setup$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-deployment-54b9c68f67-527cz   1/1     Running   0           20m
nginx-deployment-54b9c68f67-d5spl   1/1     Running   0           20m
• roman@roman-Lenovo-V15-G2-ALC:~/sibsutis/acs2024/lab5/minikube-setup$ kubectl describe deployment nginx-deployment
Name:                               nginx-deployment
Namespace:                           default
CreationTimestamp:                   Sat, 07 Dec 2024 11:23:38 +0700
Labels:                              app=nginx
Annotations:                         deployment.kubernetes.io/revision: 1
Selector:                            app=nginx
Replicas:                            2 desired | 2 updated | 2 total | 2 available | 0 unavailable
StrategyType:                        RollingUpdate
MinReadySeconds:                     0
RollingUpdateStrategy:               25% max unavailable, 25% max surge
Pod Template:
  Labels:  app=nginx
  Containers:
    nginx:
      Image:          nginx:latest
      Port:            80/TCP
      Host Port:       0/TCP
      Environment:    <none>
      Mounts:          <none>
      Volumes:         <none>
      Node-Selectors:  <none>
      Tolerations:     <none>
Conditions:
  Type           Status  Reason
  ----           -
  Available      True    MinimumReplicasAvailable
  Progressing    True    NewReplicaSetAvailable
OldReplicaSets: <none>
NewReplicaSet:  nginx-deployment-54b9c68f67 (2/2 replicas created)
Events:
  Type           Reason             Age   From                  Message
  ----           -
  Normal         ScalingReplicaSet  20m   deployment-controller  Scaled up replica set nginx-deployment-54b9c68f67 to 2
```

```
качаем minikube kubectl  
minikube start
```

```
применяем манифесты  
kubectl apply -f nginx-deployment.yaml  
kubectl describe service nginx-service
```

```
minikube ip
```

```
kubectl get pods  
kubectl get service nginx-service  
kubectl describe deployment nginx-deployment  
kubectl describe replicaset -l app=nginx
```

```
sibsutis > acs2024 > lab5 > minikube-setup > ! nginx-deployment.yaml  
1  apiVersion: apps/v1  
2  kind: Deployment  
3  metadata:  
4    name: nginx-deployment  
5    labels:  
6      app: nginx  
7  spec:  
8    replicas: 2  
9    selector:  
10     matchLabels:  
11       app: nginx  
12    template:  
13     metadata:  
14       labels:  
15         app: nginx  
16     spec:  
17       containers:  
18       - name: nginx  
19         image: nginx:latest  
20         ports:  
21         - containerPort: 80  
22
```

```
sibsutis > acs2024 > lab5 > minikube-setup > ! nginx-ingress.yaml  
1  apiVersion: networking.k8s.io/v1  
2  kind: Ingress  
3  metadata:  
4    name: nginx-ingress  
5    annotations:  
6      nginx.ingress.kubernetes.io/rewrite-target: /  
7  spec:  
8    rules:  
9    - host: nginx.local  
10      http:  
11        paths:  
12        - path: /  
13          pathType: Prefix  
14          backend:  
15            service:  
16              name: nginx-service  
17              port:  
18                number: 80  
19
```

```
sibsutis > acs2024 > lab5 > minikube-setup > ! nginx-service.yaml  
1  apiVersion: v1  
2  kind: Service  
3  metadata:  
4    name: nginx-service  
5  spec:  
6    selector:  
7      app: nginx  
8    ports:  
9      - protocol: TCP  
10        port: 80  
11        targetPort: 80  
12
```