```
aleksmosin@10 manifests % kubectl get pods
NAME                                  READY   STATUS    RESTARTS      AGE
backend-deployment-58b59b49bd-z5tlv   1/1     Running   0             27m
backend-deployment-58b59b49bd-z99xh   1/1     Running   0             26m
frontend-deployment-7d9ddfc65c-zhhlb  1/1     Running   3 (17h ago)   17h
frontend-deployment-7d9ddfc65c-v9557  1/1     Running   3 (17h ago)   17h
aleksmosin@10 manifests % kubectl describe pod backend-deployment-58b59b49bd-z5tlv
Name:             backend-deployment-58b59b49bd-z5tlv
Namespace:        default
Priority:         0
Service Account:  default
Node:             cl113jjtvn2cu0lolt67-ybut/10.0.0.29
Start Time:       Sun, 07 Dec 2025 12:23:10 +0300
Labels:           app=my-web-app
                  pod-template-hash=58b59b49bd
                  tier=backend
Annotations:      <none>
Status:           Running
IP:               10.200.132.5
IPs:
  IP:           10.200.132.5
Controlled By:  ReplicaSet/backend-deployment-58b59b49bd
Containers:
  backend:
    Container ID:   containerd://831756c5852338cbbd5d9b572cdc5aaa276960e590680d928aff973ff8ffba25
    Image:          kennethreitz/httpbin
    Image ID:       docker.io/kennethreitz/httpbin@sha256:599fe5e5073102dbb0ee3dbb65f049dab44fa9fc251f6835c9990f8fb196a72b
    Port:           80/TCP (http)
    Host Port:      0/TCP (http)
    State:          Running
      Started:      Sun, 07 Dec 2025 12:23:14 +0300
    Ready:          True
    Restart Count:  0
    Liveness:       http-get http://:80/status/200 delay=5s timeout=1s period=10s #success=1 #failure=3
    Readiness:      http-get http://:80/status/200 delay=5s timeout=1s period=10s #success=1 #failure=3
    Environment:    <none>
    Mounts:
      /var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-2bmxc (ro)
Conditions:
  Type                        Status
  PodReadyToStartContainers   True
  Initialized                 True
  Ready                       True
  ContainersReady             True
  PodScheduled                True
Volumes:
  kube-api-access-2bmxc:
    Type:                     Projected (a volume that contains injected data from multiple sources)
    TokenExpirationSeconds:   3607
    ConfigMapName:            kube-root-ca.crt
    Optional:                 false
    DownwardAPI:              true
QoS Class:                    BestEffort
Node-Selectors:               <none>
Tolerations:                  node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
                              node.kubernetes.io/unreachable:NoExecute op=Exists for 300s

Events:
  Type     Reason     Age    From               Message
  ----     ------     ----   ----               -------
  Normal   Scheduled  27m    default-scheduler  Successfully assigned default/backend-deployment-58b59b49bd-z5tlv to cl113jjtvn2cu0lolt67-ybut
  Normal   Pulled     27m    kubelet            Container image "kennethreitz/httpbin" already present on machine
  Normal   Created    27m    kubelet            Created container: backend
  Normal   Started    27m    kubelet            Started container backend
  Warning  Unhealthy  5m52s  kubelet            Readiness probe failed: Get "http://10.200.132.5:80/status/200": context deadline exceeded (Client.Timeout exceeded while awaiting headers)
aleksmosin@10 manifests % kubectl get svc
NAME               TYPE        CLUSTER-IP       EXTERNAL-IP   PORT(S)    AGE
backend-service    ClusterIP   10.201.214.211   <none>        5000/TCP   21h
frontend-service   ClusterIP   10.201.253.196   <none>        80/TCP     21h
kubernetes         ClusterIP   10.201.128.1     <none>        443/TCP    21h
aleksmosin@10 manifests % kubectl get ingress
NAME           CLASS   HOSTS                 ADDRESS          PORTS   AGE
main-ingress   nginx   app.nginx.example.com   158.160.135.73   80      21h
aleksmosin@10 manifests %
```

```
aleksmosin@10 manifests % curl -H "Host: app.nginx.example.com" http://158.160.135.73
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8" />
  <title>My Web App</title>
</head>
<body>
  <h1>Hello from frontend!</h1>
  <p>Try calling the backend: <a href="/api">/api</a></p>
</body>
</html>
aleksmosin@10 manifests % curl -H "Host: app.nginx.example.com" http://158.160.135.73/health
ok%
aleksmosin@10 manifests %
```