

3.145.14.192 (ubuntu)

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

Reconnect SSH-browser

User sessions

- 18.116.23.124 (ubuntu)
- 3.128.205.218 (ubuntu)
- 3.135.187.223 (ubuntu)
- 3.138.124.190 (ubuntu)
- 3.138.134.3 (ubuntu)
- 3.144.47.252 (ubuntu)
- 3.145.14.192 (ubuntu)

GNU nano 6.2 ingress.yaml *

```
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
  name: ingress
  annotations:
    nginx.ingress.kubernetes.io/rewrite-target: /
spec:
  ingressClassName: nginx
  rules:
    - http:
        paths:
          - path: /apache
            pathType: Prefix
            backend:
              service:
                name: apache-deployment
                port:
                  number: 80
          - path: /nginx
            pathType: Prefix
            backend:
              service:
                name: nginx-deployment
                port:
                  number: 80
```

Ingress Service Yaml

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^_ Go To Line M-E Redo M-6 Copy

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```
Error from server (NotFound): services "nginx" not found
ubuntu@ip-172-31-4-98:~$ kubectl port-forward service/nginx-deployment --address 0.0.0.0 :80
Forwarding from 0.0.0.0:33197 → 80
Handling connection for 33197
Handling connection for 33197
^Cubuntu@ip-172-31-4-98:~$ kubectl create deployment apache-deployment --image=ubuntu/apache2 --port=80
deployment.apps/apache-deployment created
ubuntu@ip-172-31-4-98:~$ kubectl expose deploy apache-deployment --type NodePort
service/apache-deployment exposed
ubuntu@ip-172-31-4-98:~$ kubectl get svc
NAME                TYPE                CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
apache-deployment   NodePort            10.96.161.167    <none>           80:32331/TCP     6s
kubernetes           ClusterIP           10.96.0.1        <none>           443/TCP          10m
nginx-deployment     NodePort            10.111.33.77     <none>           80:30331/TCP     4m40s
ubuntu@ip-172-31-4-98:~$ kubectl port-forward service/apache-deployment --address 0.0.0.0 :80
Forwarding from 0.0.0.0:34211 → 80
Handling connection for 34211
Handling connection for 34211
^Cubuntu@ip-172-31-4-98:~$ sudo nano ingress.yaml
ubuntu@ip-172-31-4-98:~$ ls
ingress.yaml  minikube_latest_amd64.deb  snap
ubuntu@ip-172-31-4-98:~$ kubectl create -f ingress.yaml
Error from server (BadRequest): error when creating "ingress.yaml": Ingress in version "v1" cannot be handled as a Ingress: json: cannot unmarshal string into Go struct field IngressServiceBackend.spec.rules.http.paths.backend.service.port of type v1.ServiceBackendPort
ubuntu@ip-172-31-4-98:~$ sudo nano ingress.yaml
ubuntu@ip-172-31-4-98:~$ kubectl create -f ingress.yaml
Error from server (BadRequest): error when creating "ingress.yaml": Ingress in version "v1" cannot be handled as a Ingress: strict decoding error: unknown field "metadata.annotation"
ubuntu@ip-172-31-4-98:~$ sudo nano ingress.yaml
ubuntu@ip-172-31-4-98:~$ kubectl create -f ingress.yaml
ingress.networking.k8s.io/ingress created
ubuntu@ip-172-31-4-98:~$
```

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X server Exit

Quick connect...

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ubuntu@ip-172-31-4-98:~$ kubectl create -f ingress.yaml
ingress.networking.k8s.io/ingress created
ubuntu@ip-172-31-4-98:~$ kubectl get ingress
NAME    CLASS    HOSTS    ADDRESS    PORTS    AGE
ingress  nginx    *                80       11s
ubuntu@ip-172-31-4-98:~$
```


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X server Exit

Quick connect...

Reconnect SSH-browser

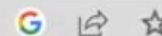
User sessions

18.116.23.124 (ubuntu)
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3.138.124.190 (ubuntu)
3.138.134.3 (ubuntu)
3.144.47.252 (ubuntu)
3.145.14.192 (ubuntu)

```
nginx-deployment NodePort 10.111.33.77 <none> 80:30331/TCP 4m40s
ubuntu@ip-172-31-4-98:~$ kubectl port-forward service/apache-deployment --address 0.0.0.0 :80
Forwarding from 0.0.0.0:34211 -> 80
Handling connection for 34211
Handling connection for 34211
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ingress.yaml minikube_latest_amd64.deb snap
ubuntu@ip-172-31-4-98:~$ kubectl create -f ingress.yaml
Error from server (BadRequest): error when creating "ingress.yaml": Ingress in version "v1" cannot be handled as a Ingress: json
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ubuntu@ip-172-31-4-98:~$ kubectl create -f ingress.yaml
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ct decoding error: unknown field "metadata.annotation"
ubuntu@ip-172-31-4-98:~$ sudo nano ingress.yaml
ubuntu@ip-172-31-4-98:~$ kubectl create -f ingress.yaml
ingress.networking.k8s.io/ingress created
ubuntu@ip-172-31-4-98:~$ kubectl get ingress
NAME CLASS HOSTS ADDRESS PORTS AGE
ingress nginx * 80 11s
ubuntu@ip-172-31-4-98:~$ kubectl get svc -A
NAMESPACE NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
default apache-deployment NodePort 10.96.161.167 <none> 80:32331/TCP 13m
default kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 23m
default nginx-deployment NodePort 10.111.33.77 <none> 80:30331/TCP 17m
ingress-nginx ingress-nginx-controller NodePort 10.98.105.190 <none> 80:32697/TCP,443:32495/TCP 21m
ingress-nginx ingress-nginx-controller-admission ClusterIP 10.103.162.106 <none> 443/TCP 21m
kube-system kube-dns ClusterIP 10.96.0.10 <none> 53/UDP,53/TCP,9153/TCP 23m
ubuntu@ip-172-31-4-98:~$ kubectl port-forward service/ingress-nginx-controller -n ingress-nginx --address 0.0.0.0 :80
Forwarding from 0.0.0.0:42229 -> 80
```



Not secure | 3.145.14.192:42229/nginx



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.



Ubuntu Logo

Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/  
|-- apache2.conf
```