

Visual Studio Code-Server

Kubernetes Yaml File:

```
---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: code-server

spec:
  replicas: 1
  selector:
    matchLabels:
      app: code-server
  template:
    metadata:
      labels:
        app: code-server
    spec:
      containers:
        - name: code-server
          image: ubuntu
          imagePullPolicy: Never
          resources:
            requests:
              cpu: 100m
          command: ["/bin/sh"]

          ports:
            - containerPort: 8080
---
apiVersion: v1
kind: Service
metadata:
  name: codeserver-service

spec:
  type: NodePort
  selector:
    app: code-server

  ports:
    - protocol: TCP
      port: 8080
      targetPort: 8080
```

```
[root@ip-10-110-1-228 ec2-user]# docker run -it --name hari -p 8080:8080 ubuntu
root@c7d706a915e5:/# apt-get update
Get:1 http://archive.ubuntu.com/ubuntu focal InRelease [265 kB]
Get:2 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal/main amd64 Packages [1275 kB]
Get:6 http://archive.ubuntu.com/ubuntu focal/restricted amd64 Packages [33.4 kB]
Get:7 http://archive.ubuntu.com/ubuntu focal/universe amd64 Packages [11.3 MB]
Get:8 http://archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [177 kB]
```

```
root@c7d706a915e5:/# apt-get install curl vim git -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  alsa-topology-conf alsa-ucm-conf ca-certificates file git-m
  libasound2-data libbrotli1 libbsd0 libcanberra0 libcbor0.6
```

Git Hub Repo URL: <https://github.com/coder/code-server>

To Run directly: `curl -fsSL https://code-server.dev/install.sh | sh`

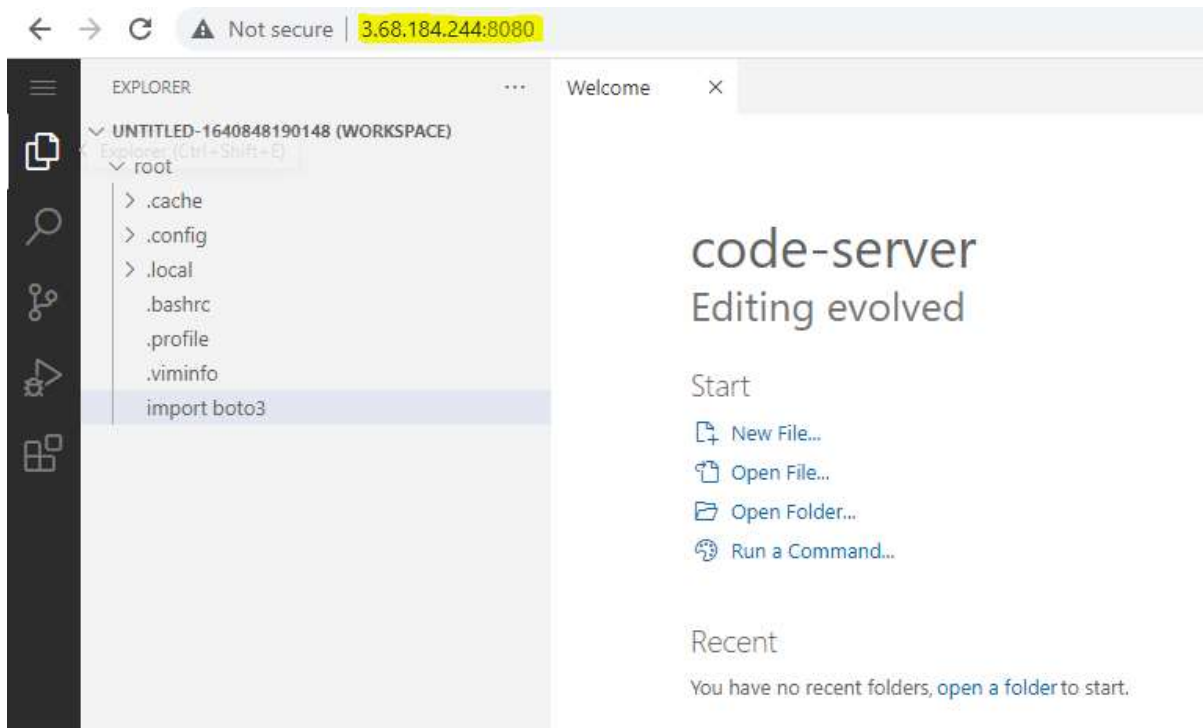
```
root@c7d706a915e5:/# curl -fsSL https://code-server.dev/install.sh | sh
Ubuntu 20.04.3 LTS
Installing v3.12.0 of the amd64 deb package from GitHub.

+ mkdir -p ~/.cache/code-server
+ curl -#fL -o ~/.cache/code-server/code-server_3.12.0_amd64.deb.incomplete -C
ases/download/v3.12.0/code-server_3.12.0_amd64.deb
##### 100.0%
##### 100.0%
+ mv ~/.cache/code-server/code-server_3.12.0_amd64.deb.incomplete ~/.cache/code
+ dpkg -i ~/.cache/code-server/code-server_3.12.0_amd64.deb
Selecting previously unselected package code-server.
```

```
root@c7d706a915e5:/# code-server
[2021-12-30T07:08:56.696Z] info Wrote default config file to ~/.config/code-server/config.yaml
[2021-12-30T07:08:57.237Z] info code-server 3.12.0 b37ff28a0a582aee84a8f961755d0cb40a4081db
[2021-12-30T07:08:57.242Z] info Using user-data-dir ~/.local/share/code-server
[2021-12-30T07:08:57.262Z] info Using config file ~/.config/code-server/config.yaml
[2021-12-30T07:08:57.262Z] info HTTP server listening on http://127.0.0.1:8080
[2021-12-30T07:08:57.263Z] info - Authentication is enabled
[2021-12-30T07:08:57.263Z] info - Using password from ~/.config/code-server/config.yaml
[2021-12-30T07:08:57.263Z] info - Not serving HTTPS
^Croot@c7d706a915e5:/# vim ~/.config/code-server/config.yaml
```

```
bind-addr: 0.0.0.0:8080
auth: none
password: addd8d745eaa0c0dc1ee83a8
cert: false
```

```
root@c7d706a915e5:/# code-server
[2021-12-30T07:09:35.413Z] info code-server 3.12.0 b37ff28a0a582aee84a8f961755d0cb40a4081db
[2021-12-30T07:09:35.417Z] info Using user-data-dir ~/.local/share/code-server
[2021-12-30T07:09:35.436Z] info Using config file ~/.config/code-server/config.yaml
[2021-12-30T07:09:35.437Z] info HTTP server listening on http://0.0.0.0:8080
[2021-12-30T07:09:35.437Z] info - Authentication is disabled
[2021-12-30T07:09:35.437Z] info - Not serving HTTPS
```



```
[root@ip-10-110-1-228 ec2-user]# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS                               NAMES
c7d706a915e5   ubuntu   "bash"    24 minutes ago   Up 24 minutes   0.0.0.0:8080->8080/tcp, :::8080->8080/tcp   hari
```

Docker File:

```
[root@ip-10-110-1-228 hari]# docker commit 7dab63a0b97a mynewimg  
sha256:ebbf4e08c23db359bcea11f850a32654ad89fe93ee0fd27d63e1eb7adeb11e83  
[root@ip-10-110-1-228 hari]#
```

```
[root@ip-10-110-1-228 hari]# vim Dockerfile
```

```
FROM mynewimg  
  
RUN apt-get update  
  
CMD code-server  
  
EXPOSE 8080:8080
```

```
[root@ip-10-110-1-228 hari]# docker build -t newimg .  
Sending build context to Docker daemon 3.072kB  
Step 1/4 : FROM myimg  
--> c587d8382d4b  
Step 2/4 : RUN apt-get update  
--> Using cache  
--> 0e197808b56e  
Step 3/4 : CMD code-server  
--> Using cache  
--> bee1307d3804  
Step 4/4 : EXPOSE 8080:8080  
--> Using cache  
--> a16af57a5d47  
Successfully built a16af57a5d47  
Successfully tagged newimg:latest  
[root@ip-10-110-1-228 hari]#
```

```
[root@ip-10-110-1-228 hari]# docker images  
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE  
mynewimg      latest   ebbf4e08c23d   2 minutes ago  813MB  
newimg        latest   a16af57a5d47   5 minutes ago  813MB  
myimg         latest   c587d8382d4b   2 hours ago    812MB  
ubuntu        latest   ba6acccedd29   2 months ago   72.8MB  
[root@ip-10-110-1-228 hari]# docker run -it --name codeserver -p 8080:8080 newimg  
[2021-12-30T10:26:48.181Z] info code-server 3.12.0 b37ff28a0a582aee84a8f961755d0cb40a4081db  
[2021-12-30T10:26:48.187Z] info Using user-data-dir ~/.local/share/code-server  
[2021-12-30T10:26:48.208Z] info Using config file ~/.config/code-server/config.yaml  
[2021-12-30T10:26:48.209Z] info HTTP server listening on http://0.0.0.0:8080  
[2021-12-30T10:26:48.209Z] info - Authentication is disabled  
[2021-12-30T10:26:48.210Z] info - Not serving HTTPS  
[root@ip-10-110-1-228 hari]#
```

