



Usage instructions:

1. Launch the product via 1-click. **Please wait until** the instance passes all status checks and is running. You can connect using your Amazon private key and 'ubuntu' login via your SSH client.
 - To update software, use: **sudo apt-get update**
2. Once inside the Ubuntu server, at the command prompt, create your password for the “web interface” login. Run the following command:

sudo nano ~/.config/code-server/config.yaml

```
GNU nano 6.2
bind-addr: 127.0.0.1:8080
auth: password
password:
cert: false
```

- **Add** your password unique password (**Note:** be sure there is a space after the word password).

Ex: password: MyPassword531

- **Exit & Save**

3. Next configure your IP settings:

Replace the **server_name** with your Instance Public IPv4 address. Run:

sudo nano /etc/nginx/sites-available/code-server

```
GNU nano 6.2
server {
  listen 80;
  server_name 44.201.174.53;

  location / {
    proxy_pass http://127.0.0.1:8080;
    proxy_set_header Host $host;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection upgrade;
    proxy_set_header Accept-Encoding gzip;
  }
}
```

- **Save and Exit**

4. Again, replace the proxy_pass with **your** Instance Public IPv4 address:8080

sudo nano /etc/nginx/sites-available/default

```
server {
    listen 80 default_server;
    listen [::]:80 default_server;
    root /var/www/html;

    # Add index.php to the list if you are using PHP
    index index.html index.htm index.nginx-debian.html;

    location /code-server {
        proxy_pass http://44.201.174.53:8080/;
        proxy_set_header Host $host;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection upgrade;
        proxy_set_header Accept-Encoding gzip;
    }
}
```

- **Save and Exit**

5. Reload Nginx, run:

sudo systemctl reload nginx

6. *Reboot the server to allow configurations to reset.

sudo reboot

**Please wait until the server fully reboots and then SSH back into the server.*

7. In a browser, go to you Instance IP address/login to view the VS Web Interface using your password.

http://Public IPv4 address/login

Note: If you need to restart VS Start Code Server:

cd ~/.local/share/code-server

code-server

AWS Data

- Data Encryption Configuration: This solution does not encrypt data within the running instance.
- User Credentials are stored: /root/.ssh/authorized_keys & /home/ubuntu/.ssh/authorized_keys
- Monitor the health:
 - Navigate to your Amazon EC2 console and verify that you're in the correct region.
 - Choose Instance and select your launched instance.
 - Select the server to display your metadata page and choose the Status checks tab at the bottom of the page to review if your status checks passed or failed.

Extra Information: (Optional)

Allocate Elastic IP

To ensure that your instance **keeps its IP during restarts** that might happen, configure an Elastic IP. From the EC2 console:

1. Select ELASTIC IPs.
2. Click on the ALLOCATE ELASTIC IP ADDRESS.
3. Select the default (Amazon pool of IPv4 addresses) and click on ALLOCATE.
4. From the ACTIONS pull down, select ASSOCIATE ELASTIC IP ADDRESS.
5. In the box that comes up, note down the Elastic IP Address, which will be needed when you configure your DNS.
6. In the search box under INSTANCE, click and find your INSTANCE ID and then click ASSOCIATE.
7. Your instance now has an elastic IP associated with it.
8. For additional help: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html>