

Deploying an E-Commerce Web Server (GUI Mode)

First Launch an EC2 Instance

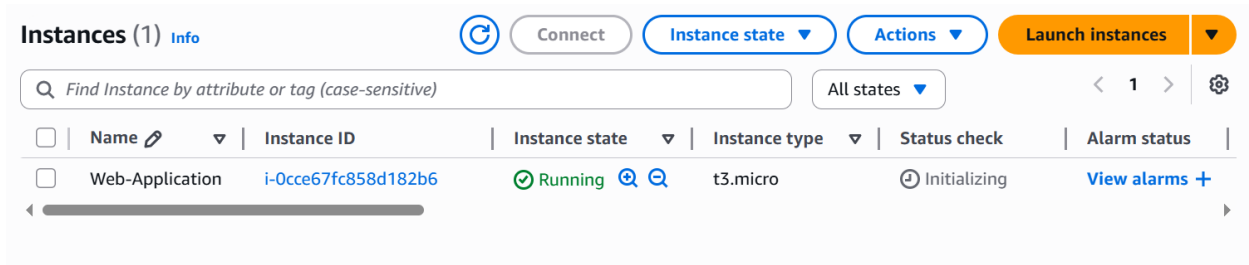
Go to **EC2 > Instances > Launch Instances**

Step 1.2: Configure the instance

- **Name:** `OpenCart-Server`
- **AMI:** Amazon Linux 2 or Ubuntu 20.04
- **Instance Type:** `t2.micro` (Free Tier eligible)
- **Key Pair:** Choose an existing one or create a new key pair.
- **Network Settings:**
 - Select default VPC
 - Enable **Auto-assign Public IP**
 - Create new **Security Group** named `OpenCartSG`:
 - Inbound rules:

- HTTP (port 80) – Anywhere

SSH (port 22) – Your IP

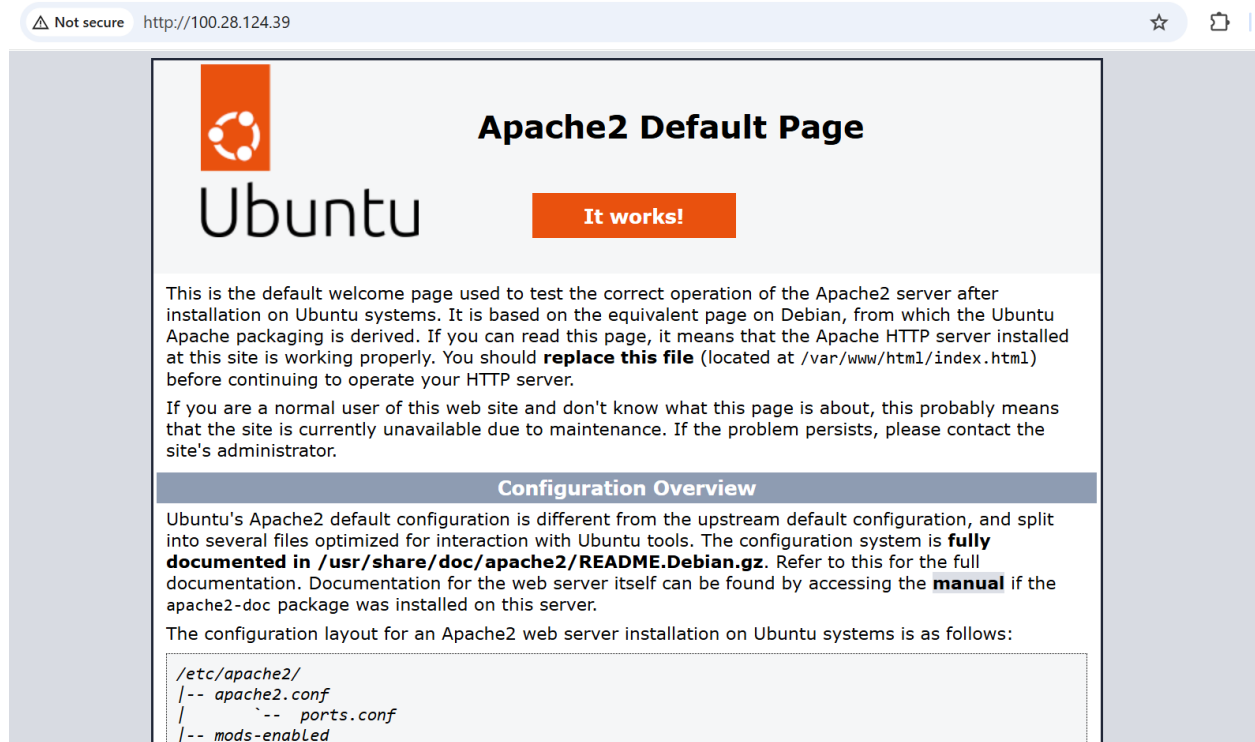


The screenshot shows the AWS Management Console 'Instances' page. At the top, there are buttons for 'Connect', 'Instance state', 'Actions', and 'Launch instances'. Below these is a search bar and a filter dropdown set to 'All states'. The main table lists one instance:

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input type="checkbox"/>	Web-Application	i-0cce67fc858d182b6	✓ Running	t3.micro	Initializing	View alarms +

Now Installing Apache2 ---> `sudo apt -y install apache2`

```
ubuntu@ip-172-31-75-238:~$ sudo apt -y install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.58-1ubuntu8.10).
0 upgraded, 0 newly installed, 0 to remove and 78 not upgraded.
```



Now Exposing Ecomm Application in /var/www/html

Git clone <https://github.com/Satwikchand/ecommerce.git>

/var/www/html

```
ubuntu@ip-172-31-75-238:~$ sudo git clone https://github.com/Satwikchand/ecommerce.git /var/www/html
Cloning into '/var/www/html'...
remote: Enumerating objects: 185, done.
remote: Counting objects: 100% (17/17), done.
remote: Compressing objects: 100% (14/14), done.
remote: Total 185 (delta 9), reused 0 (delta 0), pack-reused 168 (from 2)
Receiving objects: 100% (185/185), 4.59 MiB | 43.55 MiB/s, done.
Resolving deltas: 100% (39/39), done.
```

```
ubuntu@ip-172-31-75-238:/var/www/html$ ls -l
total 240
-rw-r--r-- 1 root root    27 Feb  4 10:42 README.md
-rw-r--r-- 1 root root 23023 Feb  4 10:42 blog.html
-rw-r--r-- 1 root root 26117 Feb  4 10:42 checkout.html
-rw-r--r-- 1 root root 15737 Feb  4 10:42 contact.html
drwxr-xr-x 2 root root  4096 Feb  4 10:42 css
drwxr-xr-x 2 root root  4096 Feb  4 10:42 fonts
drwxr-xr-x 5 root root  4096 Feb  4 10:42 img
-rw-r--r-- 1 root root 26855 Feb  4 10:42 index.html
drwxr-xr-x 3 root root  4096 Feb  4 10:42 js
-rw-r--r-- 1 root root     1 Feb  4 10:42 oldfile
-rw-r--r-- 1 root root 16992 Feb  4 10:42 regular-page.html
drwxr-xr-x 2 root root  4096 Feb  4 10:42 scss
-rw-r--r-- 1 root root 45263 Feb  4 10:42 shop.html
-rw-r--r-- 1 root root 18342 Feb  4 10:42 single-blog.html
-rw-r--r-- 1 root root 17426 Feb  4 10:42 single-product-details.html
-rw-r--r-- 1 root root   610 Feb  4 10:42 style.css
-rw-r--r-- 1 root root    10 Feb  4 10:42 test.txt
```

