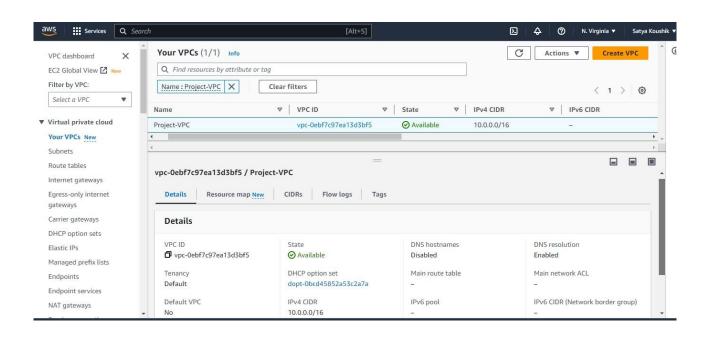
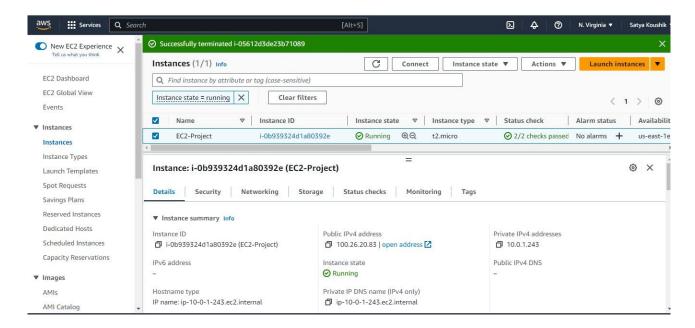
Project - 1: Deploying a Multi-Tier Website Using AWS EC2





O ubuntu@ip-10-0-1-243: # ubunumphUblr243:~
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service -- /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service -- /lib/systemd/system/apache-htcacheclean.serv Processing triggers for ufw (0.36.1-4build1) ... Processing triggers for man-db (2.10.2-1) ... Processing triggers for libc-bin (2.35-0ubuntu3.1) ... Scanning processes... Scanning linux images... Running kernel seems to be up-to-date. No services need to be restarted. No containers need to be restarted. No user sessions are running outdated binaries. No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-10-0-1-243:-\$ sudo systemotl status apache2

apache2.service - The Apache HTTP Server

Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
Active: active (running) since Tue 2023-08-01 11:32:34 UTC; 22s ago
Docs: https://httpd.apache.org/docs/2.4/
Main PID: 2350 (apache2)
Tasks: 55 (limit: 1141)
Memory: 4.9M
CPU: 30ms
CGroup: /system.slice/apache2.service
|-2350 /usr/sbin/apache2 -k start
|-2352 /usr/sbin/apache2 -k start
|-2353 /usr/sbin/apache2 -k start







← → C ♠ Not secure | 100.26.20.83



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.

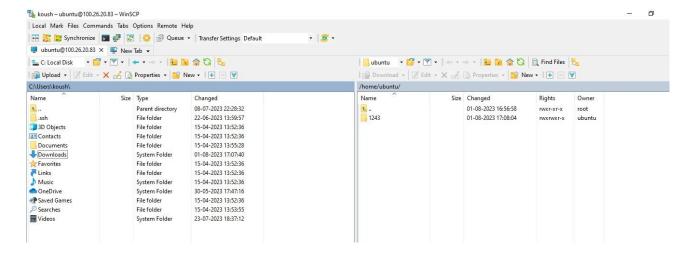
If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

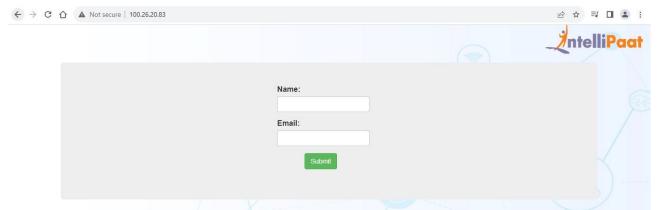
Configuration Overview

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
             ports.conf
    mods-enabled
        |-- *.Load
-- *.conf
    conf-enabled
```

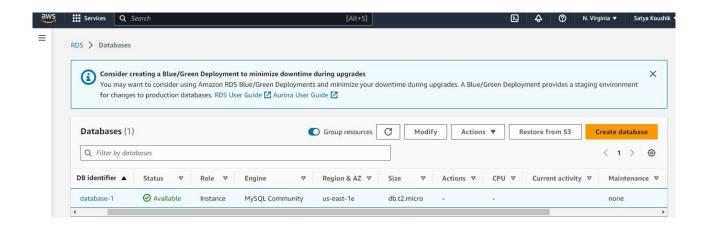


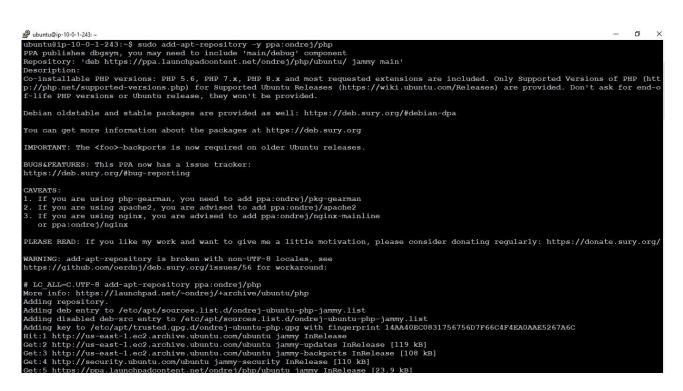


connect_error) { die("Connection failed: ". \$conn->connect_error); } if(isset(\$_POST['firstname']) && isset(\$_POST['email'])){ \$sql = "INSERT INTO data (firstname,email) VALUES (".\$firstname.", "".\$email."")"; if (\$conn->query(\$sql) === TRUE) { echo "New record created successfully"; } else { echo "Error: ". \$sql . "
". \$conn->error; } \$conn->close(); } ?>

```
ubuntu@ip-10-0-1-243:~$ 1s

1243
ubuntu@ip-10-0-1-243:~$ cd 1243
ubuntu@ip-10-0-1-243:~/1243$ 1s
images index.php
ubuntu@ip-10-0-1-243:~/1243$ sudo su
root@ip-10-0-1-243:/home/ubuntu/1243# mv index.php images /var/www/html
root@ip-10-0-1-243:/home/ubuntu/1243# 1s
root@ip-10-0-1-243:/home/ubuntu/1243# cd
root@ip-10-0-1-243:~# cd /var/www/html
root@ip-10-0-1-243:/var/www/html# 1s
images index.html index.php
root@ip-10-0-1-243:/var/www/html# rm index.html
root@ip-10-0-1-243:/var/www/html# ls
images index.php
root@ip-10-0-1-243:/var/www/html# ls
images index.php
root@ip-10-0-1-243:/var/www/html#
```





O

```
Reading package lists... Done

Reading package lists... Done

ubuntu@ip-10-0-1-243:~

Reading package lists... Done

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

Note, selecting 'php5.6-mysql' instead of 'php5.6-mysqli'

The following additional packages will be installed:

1 libapache2-mod-php5.6 mysql-client-8.0 mysql-client-core-8.0 mysql-common php-common php5.6-cli php5.6-common php5.6-json

php5.6-opcache php5.6-readline

Suggested packages:

php-pear
php-pear
The following NEW packages will be installed:
libapache2-mod-php5.6 mysql-client mysql-client-8.0 mysql-client-core-8.0 mysql-common php-common php5.6 php5.6-cli php5.6-common
php5.6-json php5.6-mysql php5.6-opcache php5.6-readline
0 upgraded, 13 newly installed, 0 to remove and 97 not upgraded.
Need to get 6930 kB of archives.
After this operation, 76.8 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-core-8.0 amd64 8.0.33-0ubuntu0.22.04.4 [280]
2 kB1
      php-pear
 2 kB]
2 kB]

Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 mysql-common all 5.8+1.0.8 [7212 B]

Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-8.0 amd64 8.0.33-0ubuntu0.22.04.4 [22.7 kB]

Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client all 8.0.33-0ubuntu0.22.04.4 [9348 B]

Get:5 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy/main amd64 php-common all 2:93+ubuntu22.04.1+deb.sury.org+2 [16.6 kB]

Get:6 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy/main amd64 php5.6-common amd64 5.6.40-66+ubuntu22.04.1+deb.sury.org+1

767 kB]

Get:7 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy/main amd64 php5.6-json amd64 5.6.40-66+ubuntu22.04.1+deb.sury.org+1
 .8 kB]
Get:8 htt
[67.7 kB]
                 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy/main amd64 php5.6-opcache amd64 5.6.40-66+ubuntu22.04.1+deb.sury.org+1
  et:9 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy/main amd64 php5.6-readline amd64 5.6.40-66+ubuntu22.04.1+deb.sury.org+
 [14.0 kB]
Get:10 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy/main amd64 php5.6-cli amd64 5.6.40-66+ubuntu22.04.1+deb.sury.org+1 [1
Get:10 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy/main amd64 libapache2-mod-php5.6 amd64 5.6.40-66+ubuntu22.04.1+deb.su

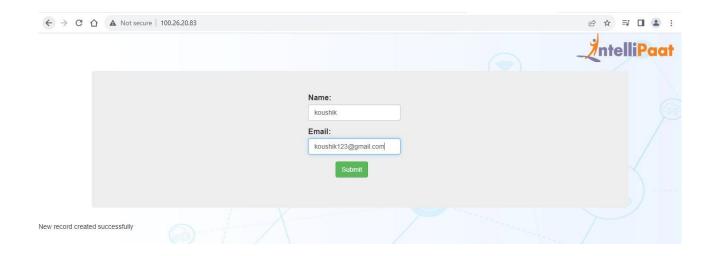
get:11 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy/main amd64 php5.6 all 5.6.40-66+ubuntu22.04.1+deb.sury.org+1 [268 kB]

Get:12 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy/main amd64 php5.6-mysql amd64 5.6.40-66+ubuntu22.04.1+deb.sury.org+1

Get:13 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy/main amd64 php5.6-mysql amd64 5.6.40-66+ubuntu22.04.1+deb.sury.org+1
```

🧬 root@ip-10-0-1-243: ∼

```
root@ip-10-0-1-243:~# mysql -h database-1.cwiehgkezaie.us-east-1.rds.amazonaws.com -u intel -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 20
Server version: 8.0.33 Source distribution
Copyright (c) 2000, 2023, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or 'h' for help. Type 'c' to clear the current input statement.
mysgl> show databases:
Database
| information schema |
 intel
 mysql
 performance schema
 sys
5 rows in set (0.00 sec)
mysql> use intel;
Database changed
mysql> show tables;
Empty set (0.00 sec)
mysql> create table data(firstname varchar(20),email varchar(20));
Query OK, 0 rows affected (0.02 sec)
mysql> show tables;
 Tables in intel |
 data
```



```
mysql> show databses;
ERROR 1064 (42000): You have an error in your SQL syntax; check the ma
syntax to use near 'databses' at line 1
mysql> show databases;
+----+
Database
+----+
| information schema |
intel
mysql
| performance schema |
5 rows in set (0.00 sec)
mysql> use intel;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
Database changed
mysql> show tables;
+----+
| Tables_in_intel |
| data |
+----+
1 row in set (0.00 sec)
mysql> select * from data;
| firstname | email
| Koushik | koushik123@gmail.com | ram | ram123@gmail.com | ashok | ashok32@gmail.com |
3 rows in set (0.00 sec)
mysql>
```

