

Launch an instance | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Services

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EC2 S3 CloudWatch IAM Simple Notification Service RDS DynamoDB VPC

EC2 > Instances > Launch an instance

Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Name

wordpress

Add additional tags

Application and OS Images (Amazon Machine Image)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

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Recents

Quick Start

Summary

Number of instances

1

Software Image (AMI)

-

Virtual server type (instance type)

t2.micro

Firewall (security group)

-

Storage (volumes)

-

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance

Cancel

Launch instance

Review commands

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Launch an instance | EC2 | us-east-1

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EC2S3CloudWatchIAMSimple Notification ServiceRDSDynamoDBVPC

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type

Free tier eligible

ami-0e86e20dae9224db8 (64-bit (x86)) / ami-096a6a12ea24a797 (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Ubuntu Server 24.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Architecture

AMI ID

64-bit (x86)

ami-0e86e20dae9224db8

Verified provider

▼ Instance type

Info | Get advice

Instance type

t2.micro

Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Windows base pricing: 0.0167 USD per Hour

On-Demand SUSE base pricing: 0.0116 USD per Hour

On-Demand RHEL base pricing: 0.026 USD per Hour

On-Demand Linux base pricing: 0.0116 USD per Hour

Additional costs apply for AMIs with pre-installed software

All generations

Compare instance types

▼ Summary

Number of instances Info

1

Software image (AMI)

Canonical, Ubuntu, 24.04, amd64...read more

ami-0e86e20dae9224db8

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which

Cancel

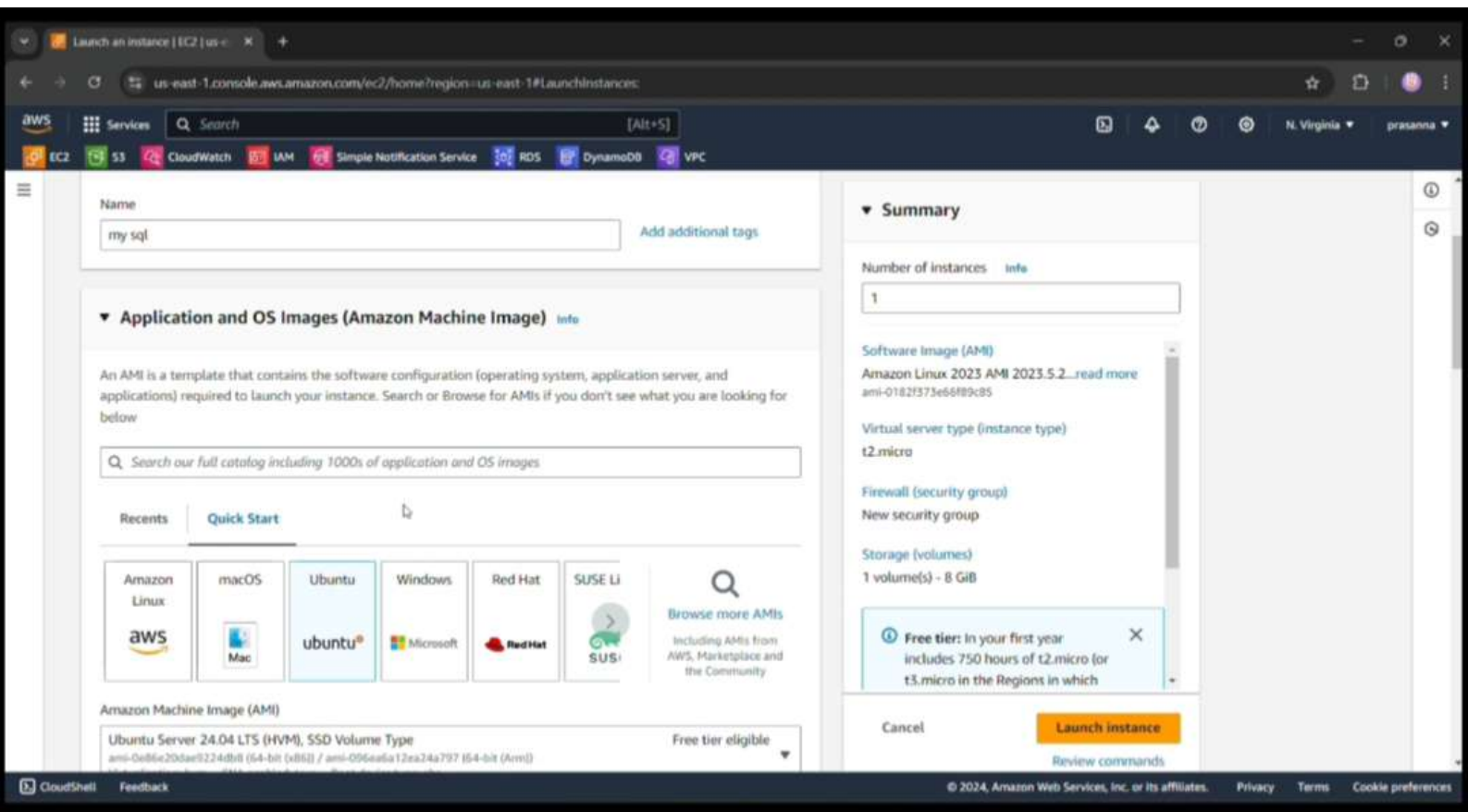
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Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instancescv=3,\$case=tag:true%5C,client:false,\$regex=tag:false%5C,client:false

Services

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N. Virginia

prashanna

EC2 Dashboard

EC2 Global View

Events

Console-to-Code [Preview](#)

Instances

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Volumes

Instances (2) [Info](#)

Last updated less than a minute ago

Connect

Instance state

Actions

Launch Instances

Find instance by attribute or tag (case-sensitive)

Running

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
<input type="checkbox"/>	wordpress	i-01574e25458471e9b	Running	t2.micro	2/2 checks passed	View alarms	us-east-1c	ec2-3-90-208
<input type="checkbox"/>	my sql	i-0bc675f6ce861c8d4	Running	t2.micro	2/2 checks passed	View alarms	us-east-1c	ec2-54-82-11

Select an instance

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ModifyInboundSecurityGroup

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ModifyInboundSecurityGroupRules:securityGroupId=sg-0ec13993e48d274cc

Services

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S3

CloudWatch

IAM

Simple Notification Service

RDS

DynamoDB

VPC

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Inbound rules

Security group rule ID	Type	Protocol	Port range	Source	Description - optional	
sgr-0860cbbc9ad253e97	HTTP	TCP	80	Custom	<div><div></div><div>0.0.0.0/0</div><div></div></div>	Delete
sgr-0866c5cbc9ad94c95	HTTPS	TCP	443	Custom	<div><div></div><div>0.0.0.0/0</div><div></div></div>	Delete
sgr-0ce65b016abbd4e15	MySQL/Aurora	TCP	3306	Custom	<div><div></div><div>172.31.31.200/32</div><div></div></div> <div>172.31.31.200/32</div>	Delete
sgr-062bac3683de7402d	SSH	TCP	22	Custom	<div><div></div><div>49.205.209.240/32</div><div></div></div> <div>49.205.209.240/32</div>	Delete

Add rule

Cancel

Preview changes

Save rules

CloudShell

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ModifyInboundSecurityGroup

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ModifyInboundSecurityGroup?securityGroupId=sg-026cd8ffff8cbe805

Services

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prasanna

EC2 > Security Groups > sg-026cd8ffff8cbe805 - launch-wizard-43 > Edit inbound rules

Edit inbound rules

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules

Security group rule ID	Type	Protocol	Port range	Source	Description - optional	
sgr-0e92108a7a7724d89	MySQL/Aurora	TCP	3306	Custom	Q 172.31.22.186/32	Delete
					172.31.22.186/32	
sgr-067bbd4bcfb1feb9	SSH	TCP	22	Custom	Q 49.205.209.240/32	Delete
					49.205.209.240/32	

Add rule

Cancel

Preview changes

Save rules

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ubuntu@ip-172-31-31-200: ~

System information as of Sun Sep 8 12:15:34 UTC 2024

System load: 0.0

Usage of /: 22.8% of 6.71GB

Memory usage: 19%

Swap usage: 0%

Processes: 104

Users logged in: 0

IPv4 address for enX0: 172.31.31.200

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See <https://ubuntu.com/esm> or run: `sudo pro status`

The list of available updates is more than a week old.
To check for new updates run: `sudo apt update`

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in `/usr/share/doc/*/copyright`.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "`sudo <command>`".
See "`man sudo_root`" for details.

ubuntu@ip-172-31-31-200:~\$

If the AMI owner has changed the default AMI username.

- Create the WordPress database and user:

```
CREATE DATABASE wordpress;  
CREATE USER 'wp_user'@'%' IDENTIFIED BY 'Prasanna@317';  
GRANT ALL PRIVILEGES ON wordpress.* TO 'wp_user'@'%';  
FLUSH PRIVILEGES;
```

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Details

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ubuntu@ip-172-31-31-200: ~

Expanded Security Maintenance for Applications is not enabled.
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individual files in `/usr/share/doc/*/copyright`.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "`sudo <command>`".
See "`man sudo_root`" for details.

```
ubuntu@ip-172-31-31-200:~$ sudo apt update
sudo apt install mysql-server -y
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
0% [Working]
```

If the AMI owner has changed the default AMI username.

Create the WordPress database and user:

```
CREATE DATABASE wordpress;
CREATE USER 'wp_user'@'%' IDENTIFIED BY 'Prasanna@317';
GRANT ALL PRIVILEGES ON wordpress.* TO 'wp_user'@'%';
FLUSH PRIVILEGES;
```

CloudShell Feedback

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```
ubuntu@ip-172-31-31-200: ~  
reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19  
reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477  
reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42  
reading /usr/share/mecab/dic/ipadic/Noun.adverbial.csv ... 795  
reading /usr/share/mecab/dic/ipadic/Noun.nai.csv ... 42  
reading /usr/share/mecab/dic/ipadic/Verb.csv ... 130750  
reading /usr/share/mecab/dic/ipadic/Others.csv ... 2  
reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171  
reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146  
reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 120  
reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208  
reading /usr/share/mecab/dic/ipadic/Noun.name.csv ... 34202  
reading /usr/share/mecab/dic/ipadic/Postp-col.csv ... 91  
reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151  
emitting double-array: 100% |#####|  
reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316  
emitting matrix : 100% |#####|  
  
done!  
update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/lib/mecab/dic/debian (mecab-dictionary) in auto mode  
Setting up libhtml-parser-perl:amd64 (3.81-1build3) ...  
Setting up libhttp-message-perl (6.45-1ubuntu1) ...  
Setting up mysql-server (8.0.39-0ubuntu0.24.04.2) ...  
Setting up libcgi-pm-perl (4.63-1) ...  
Setting up libhtml-template-perl (2.97-2) ...  
Setting up libcgi-fast-perl (1:2.17-1) ...  
Processing triggers for man-db (2.12.0-4build2) ...  
Processing triggers for libc-bin (2.39-0ubuntu8.2) ...  
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-172-31-31-200:~$
```

```
ubuntu@ip-172-31-31-200: ~ × + -
GNU nano 7.2 /etc/mysql/mysql.conf.d/mysqld.cnf
#
# The MySQL database server configuration file.
#
# One can use all long options that the program supports.
# Run program with --help to get a list of available options and with
# --print-defaults to see which it would actually understand and use.
#
# For explanations see
# http://dev.mysql.com/doc/mysql/en/server-system-variables.html
#
# Here is entries for some specific programs
# The following values assume you have at least 32M ram

[mysqld]
#
# * Basic Settings
#
user                = mysql
pid-file            = /var/run/mysqld/mysqld.pid
socket              = /var/run/mysqld/mysqld.sock
port                = 3306
datadir             = /var/lib/mysql

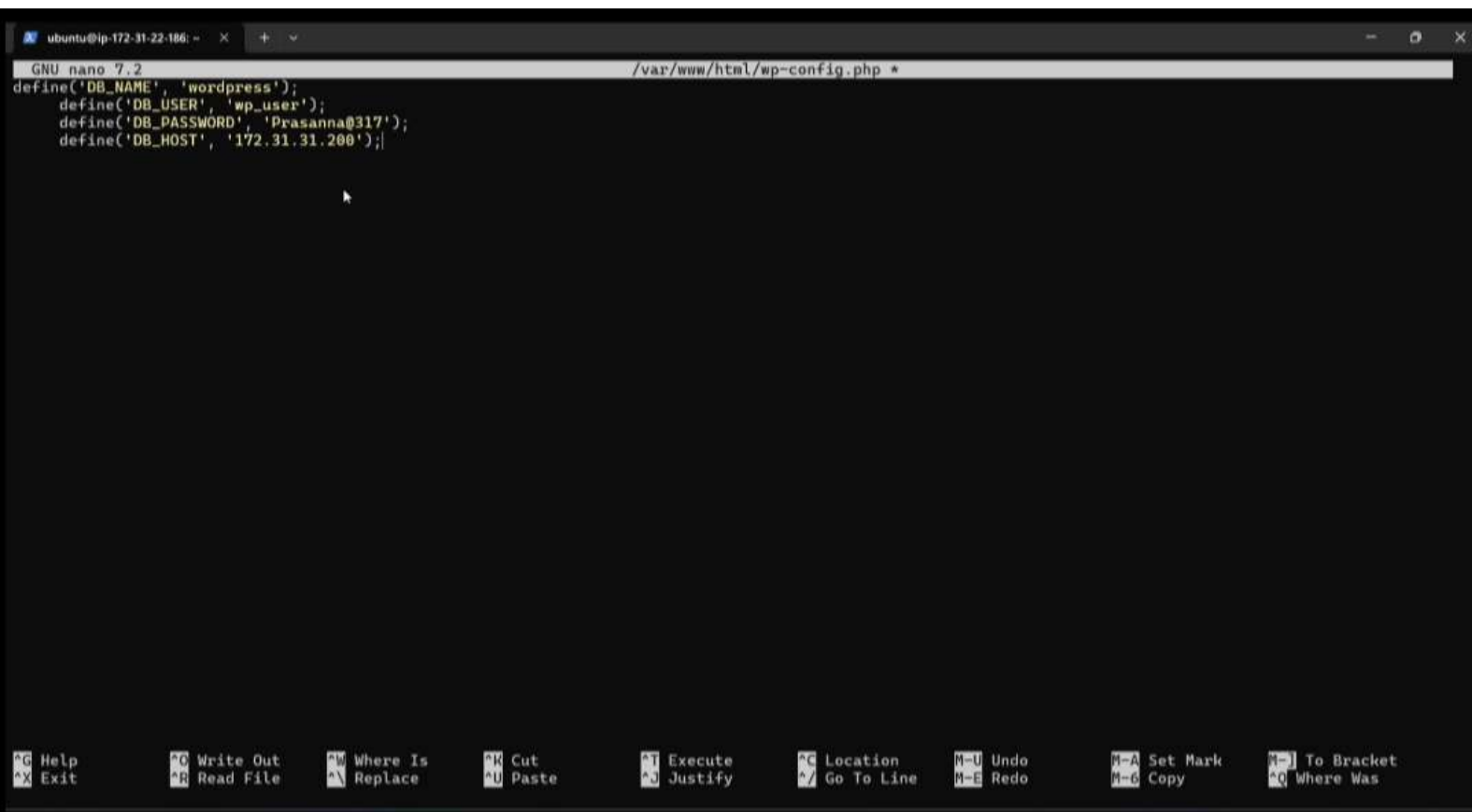
# If MySQL is running as a replication slave, this should be
# changed. Ref https://dev.mysql.com/doc/refman/8.0/en/server-system-variables.html#sysvar_tmpdir
tmpdir              = /tmp

# Instead of skip-networking the default is now to listen only on
# localhost which is more compatible and is not less secure.
bind-address        = 127.0.0.1
mysqlx-bind-address = 127.0.0.1
#
# * Fine Tuning
#
key_buffer_size     = 16M
max_allowed_packet  = 64M

[ Read 78 lines ]
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo      M-A Set Mark  M-] To Bracket
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify    ^/ Go To Line M-E Redo      M-C Copy      ^_ Where Was
```

```
ubuntu@ip-172-31-22-166: ~  
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...  
Setting up apache2-utils (2.4.58-1ubuntu8.4) ...  
Setting up apache2-bin (2.4.58-1ubuntu8.4) ...  
Setting up libapache2-mod-php8.3 (8.3.6-0ubuntu0.24.04.1) ...  
Package apache2 is not configured yet. Will defer actions by package libapache2-mod-php8.3.  
  
Creating config file /etc/php/8.3/apache2/php.ini with new version  
No module matches  
Setting up apache2 (2.4.58-1ubuntu8.4) ...  
Enabling module mpm_event.  
Enabling module authz_core.  
Enabling module authz_host.  
Enabling module authn_core.  
Enabling module auth_basic.  
Enabling module access_compat.  
Enabling module authn_file.  
Enabling module authz_user.  
Enabling module alias.  
Enabling module dir.  
Enabling module autoindex.  
Enabling module env.  
Enabling module mime.  
Enabling module negotiation.  
Enabling module setenvif.  
Enabling module filter.  
Enabling module deflate.  
Enabling module status.  
Enabling module reqtimeout.  
Enabling conf charset.  
Enabling conf localized-error-pages.  
Enabling conf other-vhosts-access-log.  
Enabling conf security.  
Enabling conf serve-cgi-bin.  
Enabling site 000-default.  
info: Switch to mpm prefork for package libapache2-mod-php8.3  
Module mpm_event disabled.  
Enabling module mpm_prefork.  
info: Executing deferred 'a2enmod php8.3' for package libapache2-mod-php8.3  
Enabling module php8.3.  
  
Progress: [ 89%] [.....]
```

```
ubuntu@ip-172-31-22-186: ~  
wordpress/wp-admin/js/widgets.js  
wordpress/wp-admin/js/gallery.js  
wordpress/wp-admin/js/word-count.js  
wordpress/wp-admin/js/accordion.min.js  
wordpress/wp-admin/js/inline-edit-post.min.js  
wordpress/wp-admin/js/customize-widgets.min.js  
wordpress/wp-admin/js/inline-edit-post.js  
wordpress/wp-admin/js/updates.js  
wordpress/wp-admin/js/media-upload.js  
wordpress/wp-admin/js/media.js  
wordpress/wp-admin/js/editor-expand.min.js  
wordpress/wp-admin/js/media-gallery.min.js  
wordpress/wp-admin/js/common.min.js  
wordpress/wp-admin/js/tags-box.min.js  
wordpress/wp-admin/js/svg-painter.min.js  
wordpress/wp-admin/js/custom-background.js  
wordpress/wp-admin/js/color-picker.min.js  
wordpress/wp-admin/js/site-icon.min.js  
wordpress/wp-admin/js/auth-app.js  
wordpress/wp-admin/js/code-editor.js  
wordpress/wp-admin/js/common.js  
wordpress/wp-admin/js/set-post-thumbnail.min.js  
wordpress/wp-admin/js/postbox.min.js  
wordpress/wp-admin/js/colorbox-picker.js  
wordpress/wp-admin/js/password-strength-meter.js  
wordpress/wp-admin/js/customize-nav-menus.js  
wordpress/wp-admin/js/editor-expand.js  
wordpress/wp-admin/js/code-editor.min.js  
wordpress/wp-admin/js/set-post-thumbnail.js  
wordpress/wp-admin/options-permalink.php  
wordpress/wp-admin/widgets.php  
wordpress/wp-admin/setup-config.php  
wordpress/wp-admin/install.php  
wordpress/wp-admin/admin-header.php  
wordpress/wp-admin/post-new.php  
wordpress/wp-admin/themes.php  
wordpress/wp-admin/options-reading.php  
wordpress/wp-trackback.php  
wordpress/wp-comments-post.php  
ubuntu@ip-172-31-22-186:~$ sudo nano /var/www/html/wp-config.php  
ubuntu@ip-172-31-22-186:~$
```



The image shows a terminal window with a dark background. At the top, a title bar indicates the user is 'ubuntu@ip-172-31-22-186'. Below the title bar, the nano text editor is open, editing the file '/var/www/html/wp-config.php *'. The editor's status bar at the top left shows 'GNU nano 7.2'. The main area of the editor contains the following PHP code:

```
define('DB_NAME', 'wordpress');
define('DB_USER', 'wp_user');
define('DB_PASSWORD', 'Prasanna@317');
define('DB_HOST', '172.31.31.200');
```

A mouse cursor is visible on the line containing 'define('DB_HOST', '172.31.31.200');'. At the bottom of the terminal, a help menu is displayed with the following options:

^G Help	^O Write Out	^W Where Is	^K Cut	^I Execute	^C Location	^U Undo	^A Set Mark	^_ To Bracket
^X Exit	^R Read File	^N Replace	^U Paste	^J Justify	^/_ Go To Line	^E Redo	^B Copy	^Q Where Was

Instance details | EC2 | us-east-1

Apache2 Ubuntu Default Page

← → ↻ 🔒 Not secure 3.90.208.9



Apache2 Default Page

Ubuntu

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
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

