

Step 1:

- Create an aws ec2 instance

1. Choose AMI

2. Choose instance type

3. Configure instance

4. Add storage

5. Add tags

6. Configure security group

7. Review

Cancel and Exit

Step 1: Choose an Amazon Machine Image (AMI)

you can select one of your own AMIs.

Q Search for an AMI by entering a search term e.g. "Windows"

Search by Systems Manager parameter

Quick Start

1 to 41 of 41 AMIs

My AMIs

AWS Marketplace

Community AMIs

Free tier only

Amazon Linux

Free tier eligible

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-010aff33ed5991201 (64-bit x86) / ami-040589e8273e08d6e (64-bit Arm)

Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is approaching end of life on December 31, 2020 and has been removed from this wizard.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

64-bit (x86)64-bit (Arm)

Red Hat

Free tier eligible

Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-06a0b4e3b7eb7a300 (64-bit x86) / ami-0cbe04a3ce796c98e (64-bit Arm)

Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

64-bit (x86)64-bit (Arm)

SUSE Linux

Free tier eligible

SUSE Linux Enterprise Server 15 SP2 (HVM), SSD Volume Type - ami-0b3acf3edf2397475 (64-bit x86) / ami-0ab71076ab9b53b0d (64-bit Arm)

SUSE Linux Enterprise Server 15 Service Pack 2 (HVM), EBS General Purpose (SSD) Volume Type. Amazon EC2 AMI Tools preinstalled; Apache 2.2, MySQL 5.5, PHP 5.3, and Ruby 1.8.7 available.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

64-bit (x86)64-bit (Arm)

Step 2: Choose an Instance Type

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GiB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	t2	t2.micro	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t2	t2.xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t3	t3.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.medium	2	4	EBS only	Yes	Up to 5 Gigabit	Yes

Cancel

Previous

Review and Launch

Next: Configure Instance Details

Step 2 :

- Configure the instance with apache webserver

```

Microsoft Windows [Version 10.0.19041.985]
(c) Microsoft Corporation. All rights reserved.

C:\Users\muvva>cd downloads

C:\Users\muvva\Downloads>ssh -i "tasks.pem" ec2-user@ec2-52-66-248-69.ap-south-1.compute.amazonaws.com
The authenticity of host 'ec2-52-66-248-69.ap-south-1.compute.amazonaws.com (52.66.248.69)' can't be established.
ECDSA key fingerprint is SHA256:o6mO9GVYWWesifKxB1SXNJsR1rEYRx+q3QAF3PRs2Y.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-52-66-248-69.ap-south-1.compute.amazonaws.com,52.66.248.69' (ECDSA) to the list
of known hosts.

  _ | _ | _ )
  _ | ( _ /   Amazon Linux 2 AMI
  _ | \ _ | _ |

https://aws.amazon.com/amazon-linux-2/
6 package(s) needed for security, out of 17 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-15-33 ~]$ sudo su
[root@ip-172-31-15-33 ec2-user]#

```

```

[ec2-user@ip-172-31-15-33 ~]$ sudo su
[root@ip-172-31-15-33 ec2-user]# yum install httpd -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
Resolving Dependencies
--> Running transaction check
--> Package httpd.x86_64 0:2.4.46-1.amzn2 will be installed
--> Processing Dependency: httpd-tools = 2.4.46-1.amzn2 for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem = 2.4.46-1.amzn2 for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.46-1.amzn2.x86_64
--> Running transaction check
--> Package apr.x86_64 0:1.6.3-5.amzn2.0.2 will be installed
--> Package apr-util.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.1-5.amzn2.0.2 for package: apr-util-1.6.1-5.amzn2.0.2.x86_64
--> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be installed
--> Package httpd-filesystem.noarch 0:2.4.46-1.amzn2 will be installed
--> Package httpd-tools.x86_64 0:2.4.46-1.amzn2 will be installed
--> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed

```

```

Installing : mod_http2-1.15.14-2.amzn2.x86_64
Installing : httpd-2.4.46-1.amzn2.x86_64
Verifying  : apr-util-1.6.1-5.amzn2.0.2.x86_64
Verifying  : httpd-filesystem-2.4.46-1.amzn2.noarch
Verifying  : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64
Verifying  : httpd-tools-2.4.46-1.amzn2.x86_64
Verifying  : mod_http2-1.15.14-2.amzn2.x86_64
Verifying  : apr-1.6.3-5.amzn2.0.2.x86_64
Verifying  : mailcap-2.1.41-2.amzn2.noarch
Verifying  : generic-logos-httpd-18.0.0-4.amzn2.noarch
Verifying  : httpd-2.4.46-1.amzn2.x86_64

Installed:
httpd.x86_64 0:2.4.46-1.amzn2

Dependency Installed:
apr.x86_64 0:1.6.3-5.amzn2.0.2          apr-util.x86_64 0:1.6.1-5.amzn2.0.2
apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2  generic-logos-httpd.noarch 0:18.0.0-4.amzn2
httpd-filesystem.noarch 0:2.4.46-1.amzn2  httpd-tools.x86_64 0:2.4.46-1.amzn2
mailcap.noarch 0:2.1.41-2.amzn2          mod_http2.x86_64 0:1.15.14-2.amzn2

Complete!

```

```

Complete!
root@ip-172-31-15-33 ec2-user]# systemctl start httpd
root@ip-172-31-15-33 ec2-user]# systemctl status httpd
httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)
   Active: active (running) since Sat 2021-05-29 15:11:40 UTC; 19s ago
     Docs: man:httpd.service(8)
  Main PID: 3467 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
    CGroup: /system.slice/httpd.service
            └─3467 /usr/sbin/httpd -DFOREGROUND
              └─3468 /usr/sbin/httpd -DFOREGROUND
                └─3469 /usr/sbin/httpd -DFOREGROUND
                  └─3470 /usr/sbin/httpd -DFOREGROUND
                    └─3471 /usr/sbin/httpd -DFOREGROUND
                      └─3472 /usr/sbin/httpd -DFOREGROUND

May 29 15:11:40 ip-172-31-15-33.ap-south-1.compute.internal systemd[1]: Starting The Apache HTTP Server...
May 29 15:11:40 ip-172-31-15-33.ap-south-1.compute.internal systemd[1]: Started The Apache HTTP Server.

```

```
[root@ip-172-31-15-33 html]# ls
latest.tar.gz
[root@ip-172-31-15-33 html]# tar -xvzf latest.tar.gz
wordpress/
wordpress/xmlrpc.php
wordpress/wp-blog-header.php
wordpress/readme.html
wordpress/wp-signup.php
wordpress/index.php
wordpress/wp-cron.php
wordpress/wp-config-sample.php
wordpress/wp-login.php
wordpress/wp-settings.php
wordpress/license.txt
wordpress/wp-content/
wordpress/wp-content/themes/
wordpress/wp-content/themes/twentytwenty/
wordpress/wp-content/themes/twentytwenty/images/
wordpress/wp-content/themes/twentytwenty/images/pattern_02.jpg
wordpress/wp-content/themes/twentytwenty/images/pattern_04.jpg
wordpress/wp-content/themes/twentytwenty/images/pattern_03.jpg
wordpress/wp-content/themes/twentytwenty/images/pattern_01.jpg
```

Step 3 :

- Download the php application name “Wordpress”

```
wordpress/wp-admin/js/set-post-thumbnail.min.js
wordpress/wp-admin/js/postbox.min.js
wordpress/wp-admin/js/color-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
[root@ip-172-31-15-33 html]# ls
latest.tar.gz wordpress
[root@ip-172-31-15-33 html]#
```

```

root@ip-172-31-15-33 html]# amazon-linux-extras install php7.4

Installing php-pdo, php-fpm, php-mysqlnd, php-cli, php-json
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-php7.4
2 metadata files removed
2 sqlite files removed
2 metadata files removed
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
amzn2extra-docker | 3.0 kB 00:00:00
amzn2extra-php7.4 | 3.0 kB 00:00:00
1/7): amzn2-core/2/x86_64/group_gz | 2.5 kB 00:00:00
2/7): amzn2-core/2/x86_64/updateinfo | 373 kB 00:00:00
3/7): amzn2extra-php7.4/2/x86_64/primary_db | 250 kB 00:00:00
4/7): amzn2extra-docker/2/x86_64/updateinfo | 76 B 00:00:00
5/7): amzn2extra-docker/2/x86_64/primary_db | 78 kB 00:00:00
6/7): amzn2extra-php7.4/2/x86_64/updateinfo | 76 B 00:00:00
7/7): amzn2-core/2/x86_64/primary_db | 53 MB 00:00:00
Resolving Dependencies
-> Running transaction check
--> Package php-cli.x86_64 0:7.4.19-1.amzn2 will be installed

```

```

root@ip-172-31-15-33 html]# cd wordpress
root@ip-172-31-15-33 wordpress]# ls
index.php  wp-activate.php  wp-comments-post.php  wp-cron.php  wp-load.php  wp-settings.php  xmlrpc.php
license.txt  wp-admin  wp-config-sample.php  wp-includes  wp-login.php  wp-signup.php
readme.html  wp-blog-header.php  wp-content  wp-links-opml.php  wp-mail.php  wp-trackback.php
root@ip-172-31-15-33 wordpress]# yum install mysql -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
-> Running transaction check
--> Package mariadb.x86_64 1:5.5.68-1.amzn2 will be installed
-> Finished Dependency Resolution

Dependencies Resolved

=====
Package                Arch          Version                Repository
=====
Installing:
mariadb                x86_64        1:5.5.68-1.amzn2      amzn2-core
Transaction Summary

```

Step 4 :

- Setting up the database in aws

Choose a database creation method [Info](#)

☐ Standard create

You set all of the configuration options, including ones for availability, security, backups, and maintenance.

☒ Easy create

Use recommended best-practice configurations. Some configuration options can be changed after the database is created.

Configuration

Engine type [Info](#)

☐ Amazon Aurora



☒ MySQL



☐ MariaDB



☐ PostgreSQL



☐ Oracle



☐ Microsoft SQL Server



DB instance size

☐ Production

db.r6g.xlarge
4 vCPUs
32 GiB RAM
500 GiB
1.146 USD/hour

☐ Dev/Test

db.r6g.large
2 vCPUs
16 GiB RAM
100 GiB
0.260 USD/hour

☒ Free tier

db.t2.micro
1 vCPUs
1 GiB RAM
20 GiB
0.028 USD/hour

DB instance identifier

Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.

database-3

The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.

Master username [Info](#)

Type a login ID for the master user of your DB instance.

admin

1 to 16 alphanumeric characters. First character must be a letter

☐ Auto generate a password

Amazon RDS can generate a password for you, or you can specify your own password

Master password [Info](#)

Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), ' (single quote), " (double quote) and @ (at sign).

Confirm password [Info](#)

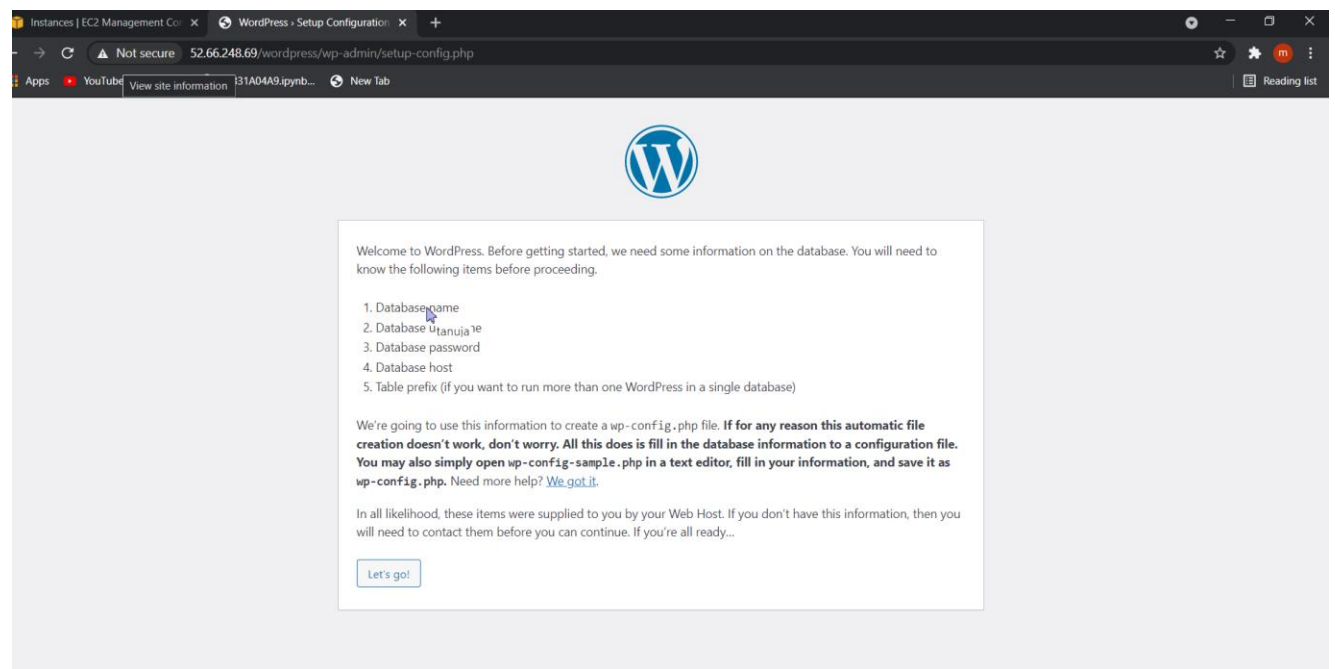
Step 5:

- As wordpress stores the data at the backend in MYSQL

Setting up the MYSQL server using the AWS RDS service

```
root@ip-172-31-15-33 wordpress]# mysql -h database-2.cg5yf5toxgwc.ap-south-1.rds.amazonaws.com -u admin -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 17
Server version: 8.0.20 Source distribution


Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```



Instances | EC2 Management Co x WordPress - Installation x +

Not secure | 52.66.248.69/wordpress/wp-admin/install.php?language=en_US

Apps YouTube Gmail 19331A04A9.symb... New Tab Reading list



Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title

Username

Names can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.


Password [Hide](#)

Strong

Important: You will need this password to log in. Please store it in a secure location.

Your Email

Double-check your email address before continuing.



Username or Email Address

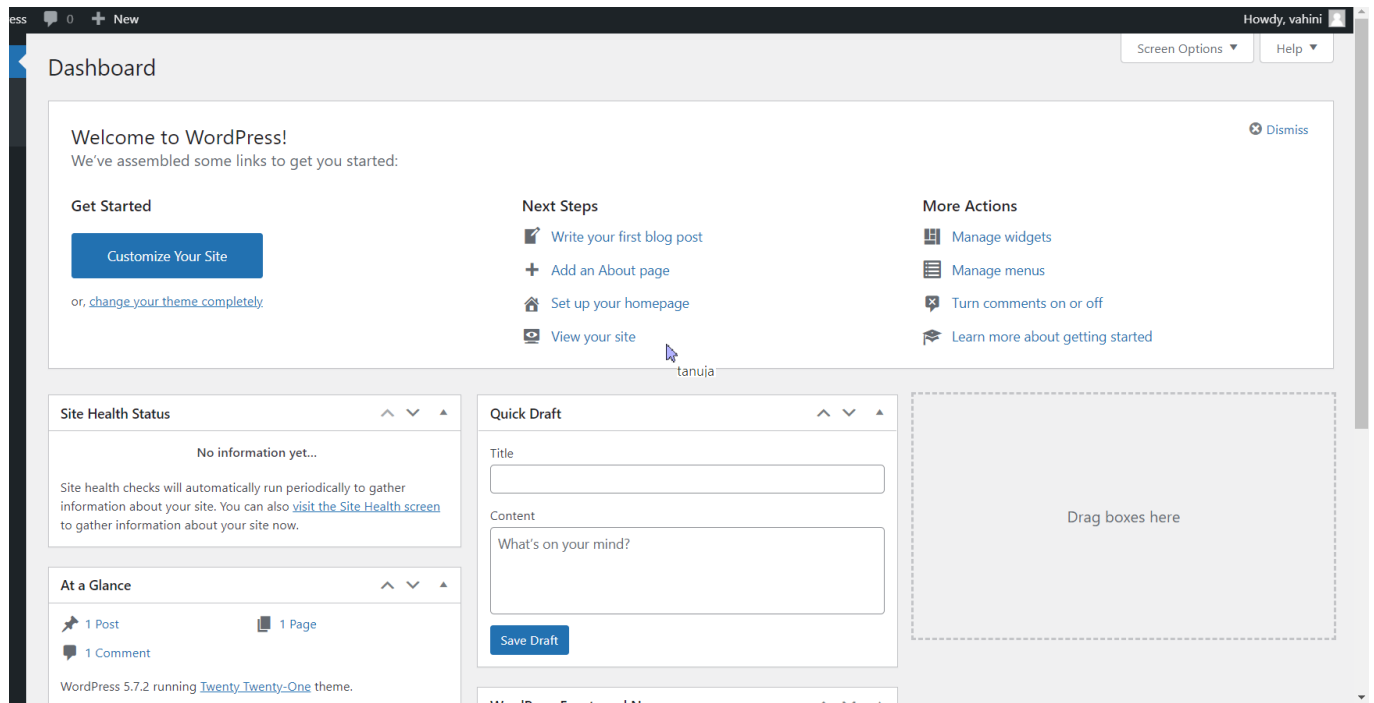
Password

☐ Remember Me

[Log In](#)

Lost your password?

[Go to demowordpress](#)



```
MySQL [mydb]> select count(*) from mydb;
ERROR 1146 (42S02): Table 'mydb.mydb' doesn't exist
MySQL [mydb]> select count(*) ;
+-----+
| count(*) |
+-----+
|        1 |
+-----+
1 row in set (0.00 sec)
```