

Microsoft Windows [Version 10.0.19045.3448]  
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```
C:\Users\GATEWAY\Downloads>ssh -i "key2.pem" ec2-user@ec2-3-14-14-63.us-east-2.compute.amazonaws.com
The authenticity of host 'ec2-3-14-14-63.us-east-2.compute.amazonaws.com (3.14.14.63)' can't be established.
ECDSA key fingerprint is
SHA256:gliUxc/vJnUOC97WKqOuY019FNFpNrb9uX2uNkSWte4.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-3-14-14-63.us-east-2.compute.amazonaws.com,3.14.14.63' (ECDSA) to the list of known hosts.
```

```

#_
~\_####_      Amazon Linux 2
~~~\_#####\
~~~\_###|      AL2 End of Life is 2025-06-30.
~~~\#/
~~~V~'-'>
~~~~/
~~~././
~~~/_/_/      Amazon Linux 2023, GA and supported until 2028-03-
15. _/m/'      https://aws.amazon.com/linux/amazon-linux-2023/
```

```
[ec2-user@ip-172-31-41-179 ~]$ sudo yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Existing lock /var/run/yum.pid: another copy is running as pid 3362.
Another app is currently holding the yum lock; waiting for it to exit...
```

```
The other application is: yum
Memory : 186 M RSS (404 MB VSZ)
Started: Fri Oct 6 16:49:13 2023 - 00:05 ago
State : Running, pid: 3362
```

Resolving Dependencies

```
--> Running transaction check
---> Package amazon-linux-extras.noarch 0:2.0.1-1.amzn2 will be updated
---> Package amazon-linux-extras.noarch 0:2.0.3-1.amzn2 will be an update
---> Package amazon-linux-extras-yum-plugin.noarch 0:2.0.1-1.amzn2 will
be updated
---> Package amazon-linux-extras-yum-plugin.noarch 0:2.0.3-1.amzn2 will
be an update
---> Package amazon-ssm-agent.x86_64 0:3.2.1377.0-1.amzn2 will be updated
---> Package amazon-ssm-agent.x86_64 0:3.2.1630.0-1.amzn2 will be an
update
---> Package ec2-hibinit-agent.noarch 0:1.0.2-5.amzn2 will be updated
---> Package ec2-hibinit-agent.noarch 0:1.0.2-6.amzn2 will be an update
---> Package expat.x86_64 0:2.1.0-15.amzn2.0.2 will be updated
---> Package expat.x86_64 0:2.1.0-15.amzn2.0.3 will be an update
---> Package kernel.x86_64 0:5.10.196-185.743.amzn2 will be installed
---> Package libtiff.x86_64 0:4.0.3-35.amzn2.0.14 will be updated
---> Package libtiff.x86_64 0:4.0.3-35.amzn2.0.16 will be an update
---> Package mdadm.x86_64 0:4.0-5.amzn2.0.2 will be updated
---> Package mdadm.x86_64 0:4.0-5.amzn2.0.3 will be an update
---> Package system-release.x86_64 1:2-15.amzn2 will be updated
---> Package system-release.x86_64 1:2-16.amzn2 will be an update
--> Finished Dependency Resolution
```

Dependencies Resolved

```

=====
=====
=====
Package                               Arch
Version                               Repository
Size
=====
=====
=====
Installing:
  kernel                               x86_64
5.10.196-185.743.amzn2                amzn2extra-kernel-5.10
33 M
Updating:
  amazon-linux-extras                 noarch
2.0.3-1.amzn2                          amzn2-core
39 k
  amazon-linux-extras-yum-plugin      noarch
2.0.3-1.amzn2                          amzn2-core
11 k
  amazon-ssm-agent                     x86_64
3.2.1630.0-1.amzn2                    amzn2-core
24 M
  ec2-hibinit-agent                    noarch
1.0.2-6.amzn2                          amzn2-core
15 k
  expat                                x86_64
2.1.0-15.amzn2.0.3                    amzn2-core
89 k
  libtiff                              x86_64
4.0.3-35.amzn2.0.16                   amzn2-core
175 k
  mdadm                                x86_64
4.0-5.amzn2.0.3                        amzn2-core
426 k
  system-release                       x86_64
1:2-16.amzn2                           amzn2-core
19 k

```

# Transaction Summary

```

=====
=====
=====

```

```

Install 1 Package
Upgrade 8 Packages

```

Total download size: 57 M

Downloading packages:

Delta RPMs disabled because /usr/bin/applydeltarpm not installed.

(1/9): amazon-linux-extras-2.0.3-1.amzn2.noarch.rpm

| 39 kB 00:00:00

(2/9): amazon-linux-extras-yum-plugin-2.0.3-1.amzn2.noarch.rpm

| 11 kB 00:00:00

(3/9): ec2-hibinit-agent-1.0.2-6.amzn2.noarch.rpm

| 15 kB 00:00:00

(4/9): expat-2.1.0-15.amzn2.0.3.x86\_64.rpm

| 89 kB 00:00:00

(5/9): libtiff-4.0.3-35.amzn2.0.16.x86\_64.rpm

| 175 kB 00:00:00

```
(6/9): mdadm-4.0-5.amzn2.0.3.x86_64.rpm
| 426 kB 00:00:00
(7/9): system-release-2-16.amzn2.x86_64.rpm
| 19 kB 00:00:00
(8/9): amazon-ssm-agent-3.2.1630.0-1.amzn2.x86_64.rpm
| 24 MB 00:00:00
(9/9): kernel-5.10.196-185.743.amzn2.x86_64.rpm
| 33 MB 00:00:00
```

-----  
-----  
-----  
Total

76 MB/s | 57 MB 00:00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

```
  Updating   : 1:system-release-2-16.amzn2.x86_64
1/17
  Updating   : amazon-linux-extras-2.0.3-1.amzn2.noarch
2/17
  Updating   : amazon-linux-extras-yum-plugin-2.0.3-1.amzn2.noarch
3/17
  Updating   : amazon-ssm-agent-3.2.1630.0-1.amzn2.x86_64
4/17
  Updating   : mdadm-4.0-5.amzn2.0.3.x86_64
5/17
  Updating   : libtiff-4.0.3-35.amzn2.0.16.x86_64
6/17
  Updating   : expat-2.1.0-15.amzn2.0.3.x86_64
7/17
  Updating   : ec2-hibinit-agent-1.0.2-6.amzn2.noarch
8/17
  Installing : kernel-5.10.196-185.743.amzn2.x86_64
9/17
  Cleanup    : amazon-linux-extras-yum-plugin-2.0.1-1.amzn2.noarch
10/17
  Cleanup    : amazon-linux-extras-2.0.1-1.amzn2.noarch
11/17
  Cleanup    : 1:system-release-2-15.amzn2.x86_64
12/17
  Cleanup    : amazon-ssm-agent-3.2.1377.0-1.amzn2.x86_64
13/17
  Cleanup    : ec2-hibinit-agent-1.0.2-5.amzn2.noarch
14/17
  Cleanup    : mdadm-4.0-5.amzn2.0.2.x86_64
15/17
  Cleanup    : libtiff-4.0.3-35.amzn2.0.14.x86_64
16/17
  Cleanup    : expat-2.1.0-15.amzn2.0.2.x86_64
17/17
  Verifying  : kernel-5.10.196-185.743.amzn2.x86_64
1/17
  Verifying  : 1:system-release-2-16.amzn2.x86_64
2/17
  Verifying  : amazon-linux-extras-2.0.3-1.amzn2.noarch
3/17
  Verifying  : ec2-hibinit-agent-1.0.2-6.amzn2.noarch
4/17
```

```
Verifying : expat-2.1.0-15.amzn2.0.3.x86_64
5/17
Verifying : libtiff-4.0.3-35.amzn2.0.16.x86_64
6/17
Verifying : mdadm-4.0-5.amzn2.0.3.x86_64
7/17
Verifying : amazon-linux-extras-yum-plugin-2.0.3-1.amzn2.noarch
8/17
Verifying : amazon-ssm-agent-3.2.1630.0-1.amzn2.x86_64
9/17
Verifying : amazon-linux-extras-yum-plugin-2.0.1-1.amzn2.noarch
10/17
Verifying : mdadm-4.0-5.amzn2.0.2.x86_64
11/17
Verifying : expat-2.1.0-15.amzn2.0.2.x86_64
12/17
Verifying : 1:system-release-2-15.amzn2.x86_64
13/17
Verifying : libtiff-4.0.3-35.amzn2.0.14.x86_64
14/17
Verifying : amazon-ssm-agent-3.2.1377.0-1.amzn2.x86_64
15/17
Verifying : ec2-hibinit-agent-1.0.2-5.amzn2.noarch
16/17
Verifying : amazon-linux-extras-2.0.1-1.amzn2.noarch
17/17
```

Installed:

```
kernel.x86_64 0:5.10.196-185.743.amzn2
```

Updated:

```
amazon-linux-extras.noarch 0:2.0.3-1.amzn2          amazon-linux-
extras-yum-plugin.noarch 0:2.0.3-1.amzn2            amazon-ssm-agent.x86_64
0:3.2.1630.0-1.amzn2
ec2-hibinit-agent.noarch 0:1.0.2-6.amzn2            expat.x86_64
0:2.1.0-15.amzn2.0.3                                libtiff.x86_64 0:4.0.3-
35.amzn2.0.16
mdadm.x86_64 0:4.0-5.amzn2.0.3                      system-
release.x86_64 1:2-16.amzn2
```

Complete!

```
[ec2-user@ip-172-31-41-179 ~]$ sudo yum install httpd
```

Loaded plugins: extras\_suggestions, langpacks, priorities, update-motd

Resolving Dependencies

--> Running transaction check

---> Package httpd.x86\_64 0:2.4.57-1.amzn2 will be installed

--> Processing Dependency: httpd-tools = 2.4.57-1.amzn2 for package:

httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: httpd-filesystem = 2.4.57-1.amzn2 for package:

httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: system-logos-httpd for package: httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: mod\_http2 for package: httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: httpd-filesystem for package: httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: /etc/mime.types for package: httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.57-1.amzn2.x86\_64

```
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-
2.4.57-1.amzn2.x86_64
--> Running transaction check
---> Package apr.x86_64 0:1.7.2-1.amzn2 will be installed
---> Package apr-util.x86_64 0:1.6.3-1.amzn2.0.1 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.3-1.amzn2.0.1 for
package: apr-util-1.6.3-1.amzn2.0.1.x86_64
---> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be
installed
---> Package httpd-filesystem.noarch 0:2.4.57-1.amzn2 will be installed
---> Package httpd-tools.x86_64 0:2.4.57-1.amzn2 will be installed
---> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
---> Package mod_http2.x86_64 0:1.15.19-1.amzn2.0.1 will be installed
--> Running transaction check
---> Package apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

```
=====
=====
=====
Package                                Arch
Version                                Repository
Size
=====
=====
=====
Installing:
  httpd                                x86_64
2.4.57-1.amzn2                        amzn2-core
1.4 M
Installing for dependencies:
  apr                                  x86_64
1.7.2-1.amzn2                        amzn2-core
130 k
  apr-util                             x86_64
1.6.3-1.amzn2.0.1                  amzn2-core
101 k
  apr-util-bdb                         x86_64
1.6.3-1.amzn2.0.1                  amzn2-core
22 k
  generic-logos-httpd                 noarch
18.0.0-4.amzn2                    amzn2-core
19 k
  httpd-filesystem                   noarch
2.4.57-1.amzn2                    amzn2-core
24 k
  httpd-tools                         x86_64
2.4.57-1.amzn2                    amzn2-core
88 k
  mailcap                             noarch
2.1.41-2.amzn2                    amzn2-core
31 k
  mod_http2                           x86_64
1.15.19-1.amzn2.0.1              amzn2-core
149 k
```

Transaction Summary

```
=====
=====
=====
Install 1 Package (+8 Dependent packages)
```

Total download size: 1.9 M

Installed size: 5.2 M

Is this ok [y/d/N]: y

Downloading packages:

```
(1/9): apr-util-1.6.3-1.amzn2.0.1.x86_64.rpm
| 101 kB 00:00:00
(2/9): apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64.rpm
| 22 kB 00:00:00
(3/9): generic-logos-httpd-18.0.0-4.amzn2.noarch.rpm
| 19 kB 00:00:00
(4/9): httpd-2.4.57-1.amzn2.x86_64.rpm
| 1.4 MB 00:00:00
(5/9): httpd-filesystem-2.4.57-1.amzn2.noarch.rpm
| 24 kB 00:00:00
(6/9): httpd-tools-2.4.57-1.amzn2.x86_64.rpm
| 88 kB 00:00:00
(7/9): mailcap-2.1.41-2.amzn2.noarch.rpm
| 31 kB 00:00:00
(8/9): mod_http2-1.15.19-1.amzn2.0.1.x86_64.rpm
| 149 kB 00:00:00
(9/9): apr-1.7.2-1.amzn2.x86_64.rpm
| 130 kB 00:00:00
-----
-----
-----
```

Total

7.5 MB/s | 1.9 MB 00:00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

```
Installing : apr-1.7.2-1.amzn2.x86_64
1/9
Installing : apr-util-1.6.3-1.amzn2.0.1.x86_64
2/9
Installing : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64
3/9
Installing : httpd-tools-2.4.57-1.amzn2.x86_64
4/9
Installing : httpd-filesystem-2.4.57-1.amzn2.noarch
5/9
Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch
6/9
Installing : mailcap-2.1.41-2.amzn2.noarch
7/9
Installing : mod_http2-1.15.19-1.amzn2.0.1.x86_64
8/9
Installing : httpd-2.4.57-1.amzn2.x86_64
9/9
Verifying : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64
1/9
Verifying : apr-1.7.2-1.amzn2.x86_64
2/9
Verifying : httpd-tools-2.4.57-1.amzn2.x86_64
3/9
```

```
Verifying : apr-util-1.6.3-1.amzn2.0.1.x86_64
4/9
Verifying : mailcap-2.1.41-2.amzn2.noarch
5/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch
6/9
Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64
7/9
Verifying : httpd-2.4.57-1.amzn2.x86_64
8/9
Verifying : httpd-filesystem-2.4.57-1.amzn2.noarch
9/9
```

```
Installed:
httpd.x86_64 0:2.4.57-1.amzn2
```

```
Dependency Installed:
apr.x86_64 0:1.7.2-1.amzn2          apr-util.x86_64 0:1.6.3-
1.amzn2.0.1  apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1  generic-logos-
httpd.noarch 0:18.0.0-4.amzn2
httpd-filesystem.noarch 0:2.4.57-1.amzn2  httpd-tools.x86_64 0:2.4.57-
1.amzn2  mailcap.noarch 0:2.1.41-2.amzn2  mod_http2.x86_64
0:1.15.19-1.amzn2.0.1
```

Complete!

```
[ec2-user@ip-172-31-41-179 ~]$ sudo systemctl start httpd
[ec2-user@ip-172-31-41-179 ~]$ sudo systemctl enable httpd
Created symlink from /etc/systemd/system/multi-
user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[ec2-user@ip-172-31-41-179 ~]$ sudo yum install mariadb-server -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
---> Package mariadb-server.x86_64 1:5.5.68-1.amzn2.0.1 will be installed
--> Processing Dependency: mariadb(x86-64) = 1:5.5.68-1.amzn2.0.1 for
package: 1:mariadb-server-5.5.68-1.amzn2.0.1.x86_64
--> Processing Dependency: perl-DBI for package: 1:mariadb-server-5.5.68-
1.amzn2.0.1.x86_64
--> Processing Dependency: perl-DBD-MySQL for package: 1:mariadb-server-
5.5.68-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Data::Dumper) for package: 1:mariadb-
server-5.5.68-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(DBI) for package: 1:mariadb-server-
5.5.68-1.amzn2.0.1.x86_64
--> Running transaction check
---> Package mariadb.x86_64 1:5.5.68-1.amzn2.0.1 will be installed
---> Package perl-DBD-MySQL.x86_64 0:4.023-6.amzn2 will be installed
---> Package perl-DBI.x86_64 0:1.627-4.amzn2.0.2 will be installed
--> Processing Dependency: perl(RPC::PlServer) >= 0.2001 for package:
perl-DBI-1.627-4.amzn2.0.2.x86_64
--> Processing Dependency: perl(RPC::PlClient) >= 0.2000 for package:
perl-DBI-1.627-4.amzn2.0.2.x86_64
---> Package perl-Data-Dumper.x86_64 0:2.145-3.amzn2.0.2 will be
installed
--> Running transaction check
---> Package perl-PlRPC.noarch 0:0.2020-14.amzn2 will be installed
--> Processing Dependency: perl(Net::Daemon) >= 0.13 for package: perl-
PlRPC-0.2020-14.amzn2.noarch
--> Processing Dependency: perl(Net::Daemon::Test) for package: perl-
PlRPC-0.2020-14.amzn2.noarch
```

```

--> Processing Dependency: perl(Net::Daemon::Log) for package: perl-
PlRPC-0.2020-14.amzn2.noarch
--> Processing Dependency: perl(Compress::Zlib) for package: perl-PlRPC-
0.2020-14.amzn2.noarch
--> Running transaction check
---> Package perl-IO-Compress.noarch 0:2.061-2.amzn2 will be installed
--> Processing Dependency: perl(Compress::Raw::Zlib) >= 2.061 for
package: perl-IO-Compress-2.061-2.amzn2.noarch
--> Processing Dependency: perl(Compress::Raw::Bzip2) >= 2.061 for
package: perl-IO-Compress-2.061-2.amzn2.noarch
---> Package perl-Net-Daemon.noarch 0:0.48-5.amzn2 will be installed
--> Running transaction check
---> Package perl-Compress-Raw-Bzip2.x86_64 0:2.061-3.amzn2.0.2 will be
installed
---> Package perl-Compress-Raw-Zlib.x86_64 1:2.061-4.amzn2.0.2 will be
installed
--> Finished Dependency Resolution

```

Dependencies Resolved

```

=====
=====
=====
Package                                     Arch
Version                                     Repository
Size
=====
=====
=====
Installing:
 mariadb-server                             x86_64
1:5.5.68-1.amzn2.0.1                       amzn2-core
11 M
Installing for dependencies:
 mariadb                                    x86_64
1:5.5.68-1.amzn2.0.1                       amzn2-core
8.8 M
 perl-Compress-Raw-Bzip2                    x86_64
2.061-3.amzn2.0.2                          amzn2-core
32 k
 perl-Compress-Raw-Zlib                     x86_64
1:2.061-4.amzn2.0.2                       amzn2-core
58 k
 perl-DBD-MySQL                             x86_64
4.023-6.amzn2                             amzn2-core
141 k
 perl-DBI                                    x86_64
1.627-4.amzn2.0.2                         amzn2-core
804 k
 perl-Data-Dumper                           x86_64
2.145-3.amzn2.0.2                         amzn2-core
48 k
 perl-IO-Compress                           noarch
2.061-2.amzn2                             amzn2-core
260 k
 perl-Net-Daemon                            noarch
0.48-5.amzn2                             amzn2-core
51 k

```



perl-PlRPC  
0.2020-14.amzn2  
36 k

noarch  
amzn2-core

#### Transaction Summary

Install 1 Package (+9 Dependent packages)

Total download size: 22 M

Installed size: 110 M

Downloading packages:

(1/10): mariadb-5.5.68-1.amzn2.0.1.x86\_64.rpm  
| 8.8 MB 00:00:00  
(2/10): mariadb-server-5.5.68-1.amzn2.0.1.x86\_64.rpm  
| 11 MB 00:00:00  
(3/10): perl-Compress-Raw-Bzip2-2.061-3.amzn2.0.2.x86\_64.rpm  
| 32 kB 00:00:00  
(4/10): perl-Compress-Raw-Zlib-2.061-4.amzn2.0.2.x86\_64.rpm  
| 58 kB 00:00:00  
(5/10): perl-DBD-MySQL-4.023-6.amzn2.x86\_64.rpm  
| 141 kB 00:00:00  
(6/10): perl-Data-Dumper-2.145-3.amzn2.0.2.x86\_64.rpm  
| 48 kB 00:00:00  
(7/10): perl-DBI-1.627-4.amzn2.0.2.x86\_64.rpm  
| 804 kB 00:00:00  
(8/10): perl-IO-Compress-2.061-2.amzn2.noarch.rpm  
| 260 kB 00:00:00  
(9/10): perl-Net-Daemon-0.48-5.amzn2.noarch.rpm  
| 51 kB 00:00:00  
(10/10): perl-PlRPC-0.2020-14.amzn2.noarch.rpm  
| 36 kB 00:00:00

Total

56 MB/s | 22 MB 00:00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : perl-Data-Dumper-2.145-3.amzn2.0.2.x86\_64  
1/10  
Installing : 1:mariadb-5.5.68-1.amzn2.0.1.x86\_64  
2/10  
Installing : perl-Compress-Raw-Bzip2-2.061-3.amzn2.0.2.x86\_64  
3/10  
Installing : perl-Net-Daemon-0.48-5.amzn2.noarch  
4/10  
Installing : 1:perl-Compress-Raw-Zlib-2.061-4.amzn2.0.2.x86\_64  
5/10  
Installing : perl-IO-Compress-2.061-2.amzn2.noarch  
6/10  
Installing : perl-PlRPC-0.2020-14.amzn2.noarch  
7/10  
Installing : perl-DBI-1.627-4.amzn2.0.2.x86\_64  
8/10  
Installing : perl-DBD-MySQL-4.023-6.amzn2.x86\_64  
9/10

```

    Installing : 1:mariadb-server-5.5.68-1.amzn2.0.1.x86_64
10/10
    Verifying  : 1:perl-Compress-Raw-Zlib-2.061-4.amzn2.0.2.x86_64
1/10
    Verifying  : perl-IO-Compress-2.061-2.amzn2.noarch
2/10
    Verifying  : perl-Net-Daemon-0.48-5.amzn2.noarch
3/10
    Verifying  : perl-Data-Dumper-2.145-3.amzn2.0.2.x86_64
4/10
    Verifying  : perl-DBD-MySQL-4.023-6.amzn2.x86_64
5/10
    Verifying  : perl-Compress-Raw-Bzip2-2.061-3.amzn2.0.2.x86_64
6/10
    Verifying  : 1:mariadb-5.5.68-1.amzn2.0.1.x86_64
7/10
    Verifying  : perl-DBI-1.627-4.amzn2.0.2.x86_64
8/10
    Verifying  : perl-PlRPC-0.2020-14.amzn2.noarch
9/10
    Verifying  : 1:mariadb-server-5.5.68-1.amzn2.0.1.x86_64
10/10

```

Installed:

```

    mariadb-server.x86_64 1:5.5.68-1.amzn2.0.1

```

Dependency Installed:

```

    mariadb.x86_64 1:5.5.68-1.amzn2.0.1
Bzip2.x86_64 0:2.061-3.amzn2.0.2
1:2.061-4.amzn2.0.2
perl-DBD-MySQL.x86_64 0:4.023-6.amzn2
0:1.627-4.amzn2.0.2
0:2.145-3.amzn2.0.2
perl-IO-Compress.noarch 0:2.061-2.amzn2
Daemon.noarch 0:0.48-5.amzn2
0:0.2020-14.amzn2
perl-Compress-Raw-
perl-Compress-Raw-Zlib.x86_64
perl-DBI.x86_64
perl-Data-Dumper.x86_64
perl-Net-
perl-PlRPC.noarch

```

Complete!

```

[ec2-user@ip-172-31-41-179 ~]$ sudo systemctl start mariadb
[ec2-user@ip-172-31-41-179 ~]$ sudo systemctl enable mariadb
Created symlink from /etc/systemd/system/multi-
user.target.wants/mariadb.service to
/usr/lib/systemd/system/mariadb.service.
[ec2-user@ip-172-31-41-179 ~]$ sudo mysql_secure_installation

```

NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB  
SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!

In order to log into MariaDB to secure it, we'll need the current  
password for the root user. If you've just installed MariaDB, and  
you haven't set the root password yet, the password will be blank,  
so you should just press enter here.

```

Enter current password for root (enter for none):
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using
password: YES)
Enter current password for root (enter for none):
OK, successfully used password, moving on...

```

Setting the root password ensures that nobody can log into the MariaDB

root user without the proper authorisation.

```
Set root password? [Y/n] y
New password:
Re-enter new password:
Password updated successfully!
Reloading privilege tables..
... Success!
```

By default, a MariaDB installation has an anonymous user, allowing anyone to log into MariaDB without having to have a user account created for them. This is intended only for testing, and to make the installation go a bit smoother. You should remove them before moving into a production environment.

```
Remove anonymous users? [Y/n] n
... skipping.
```

Normally, root should only be allowed to connect from 'localhost'. This ensures that someone cannot guess at the root password from the network.

```
Disallow root login remotely? [Y/n] y
... Success!
```

By default, MariaDB comes with a database named 'test' that anyone can access. This is also intended only for testing, and should be removed before moving into a production environment.

```
Remove test database and access to it? [Y/n] y
- Dropping test database...
... Success!
- Removing privileges on test database...
... Success!
```

Reloading the privilege tables will ensure that all changes made so far will take effect immediately.

```
Reload privilege tables now? [Y/n] y
... Success!
```

Cleaning up...

All done! If you've completed all of the above steps, your MariaDB installation should now be secure.

Thanks for using MariaDB!

```
[ec2-user@ip-172-31-41-179 ~]$ sudo yum install php-mysqldb -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
---> Package php-mysqldb.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-pdo(x86-64) = 5.4.16-46.amzn2.0.2 for
package: php-mysqldb-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
---> Package php-pdo.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-common(x86-64) = 5.4.16-46.amzn2.0.2 for
package: php-pdo-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
---> Package php-common.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
```

```
--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-
5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
---> Package libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5 will be
installed
--> Finished Dependency Resolution
```

Dependencies Resolved

```
=====
=====
=====
Package                               Arch
Version                               Repository
Size
=====
=====
=====
Installing:
  php-mysqldb                         x86_64
5.4.16-46.amzn2.0.2                  amzn2-core
172 k
Installing for dependencies:
  libzip010-compat                   x86_64
0.10.1-9.amzn2.0.5                  amzn2-core
30 k
  php-common                         x86_64
5.4.16-46.amzn2.0.2                  amzn2-core
563 k
  php-pdo                           x86_64
5.4.16-46.amzn2.0.2                  amzn2-core
98 k
```

Transaction Summary

```
=====
=====
=====
Install 1 Package (+3 Dependent packages)
```

Total download size: 863 k

Installed size: 4.4 M

Downloading packages:

```
(1/4): libzip010-compat-0.10.1-9.amzn2.0.5.x86_64.rpm
| 30 kB 00:00:00
(2/4): php-common-5.4.16-46.amzn2.0.2.x86_64.rpm
| 563 kB 00:00:00
(3/4): php-mysqldb-5.4.16-46.amzn2.0.2.x86_64.rpm
| 172 kB 00:00:00
(4/4): php-pdo-5.4.16-46.amzn2.0.2.x86_64.rpm
| 98 kB 00:00:00
```

-----
-----
-----
Total

2.5 MB/s | 863 kB 00:00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

```
Installing : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64
1/4
Installing : php-common-5.4.16-46.amzn2.0.2.x86_64
2/4
Installing : php-pdo-5.4.16-46.amzn2.0.2.x86_64
3/4
Installing : php-mysqldb-5.4.16-46.amzn2.0.2.x86_64
4/4
Verifying : php-pdo-5.4.16-46.amzn2.0.2.x86_64
1/4
Verifying : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64
2/4
Verifying : php-mysqldb-5.4.16-46.amzn2.0.2.x86_64
3/4
Verifying : php-common-5.4.16-46.amzn2.0.2.x86_64
4/4
```

Installed:

php-mysqldb.x86\_64 0:5.4.16-46.amzn2.0.2

Dependency Installed:

```
libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5
common.x86_64 0:5.4.16-46.amzn2.0.2
0:5.4.16-46.amzn2.0.2
```

Complete!

```
[ec2-user@ip-172-31-41-179 ~]$ cd /var/www/html
[ec2-user@ip-172-31-41-179 html]$ sudo wget
https://wordpress.org/latest.tar.gz
--2023-10-06 16:53:28-- https://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 23447259 (22M) [application/octet-stream]
Saving to: 'latest.tar.gz'
```

```
100%[=====
=====>]
23,447,259 47.5MB/s in 0.5s
```

```
2023-10-06 16:53:29 (47.5 MB/s) - 'latest.tar.gz' saved
[23447259/23447259]
```

```
[ec2-user@ip-172-31-41-179 html]$ sudo tar -xzf latest.tar.gz
[ec2-user@ip-172-31-41-179 html]$ sudo mv wordpress/* .
[ec2-user@ip-172-31-41-179 html]$ sudo rmdir wordpress
[ec2-user@ip-172-31-41-179 html]$ mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 10
Server version: 5.5.68-MariaDB MariaDB Server
```

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
MariaDB [(none)]>
MariaDB [(none)]> \c
```

```
MariaDB [(none)]> CREATE DATABASE wordpress;
Query OK, 1 row affected (0.00 sec)
```

```
MariaDB [(none)]> CREATE USER 'wordpressuser'@'localhost' IDENTIFIED BY
'yourpassword';
Query OK, 0 rows affected (0.00 sec)
```

```
MariaDB [(none)]> GRANT ALL PRIVILEGES ON wordpress.* TO
'wordpressuser'@'localhost';
Query OK, 0 rows affected (0.00 sec)
```

```
MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)
```

```
MariaDB [(none)]> EXIT;
```

Bye

```
[ec2-user@ip-172-31-41-179 html]$ sudo mv wp-config-sample.php wp-
config.php
```

```
[ec2-user@ip-172-31-41-179 html]$ sudo nano wp-config.php
```

```
[ec2-user@ip-172-31-41-179 html]$ sudo chown -R apache:apache
/var/www/html/
```

```
[ec2-user@ip-172-31-41-179 html]$ sudo systemctl restart httpd
```

```
[ec2-user@ip-172-31-41-179 html]$ sudo systemctl stop httpd
```

```
[ec2-user@ip-172-31-41-179 html]$ mysql -u root -p
```

Enter password:

Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 17

Server version: 5.5.68-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
MariaDB [(none)]> CREATE DATABASE wordpress;
ERROR 1007 (HY000): Can't create database 'wordpress'; database exists
MariaDB [(none)]> CREATE DATABASE wordpress1;
Query OK, 1 row affected (0.00 sec)
```

```
MariaDB [(none)]> CREATE USER 'root'@'3.14.14.63' IDENTIFIED BY '1234';
Query OK, 0 rows affected (0.00 sec)
```

```
MariaDB [(none)]> GRANT ALL PRIVILEGES ON wordpress.* TO
'root'@'3.14.14.63';
Query OK, 0 rows affected (0.00 sec)
```

```
MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)
```

```
MariaDB [(none)]> EXIT;
```

Bye

```
[ec2-user@ip-172-31-41-179 html]$ sudo mv wp-config-sample.php wp-
config.php
```

mv: cannot stat 'wp-config-sample.php': No such file or directory

```
[ec2-user@ip-172-31-41-179 html]$ sudo mv wp-config.php wp-config-
sample.php
```

```
[ec2-user@ip-172-31-41-179 html]$ sudo nano wp-config-sample.php
```

```
[ec2-user@ip-172-31-41-179 html]$ sudo chown -R apache:apache
/var/www/html/
```

```
[ec2-user@ip-172-31-41-179 html]$ sudo systemctl restart httpd
```