

```
[root@ip-172-31-21-195 ~]# yum install -y httpd
Last metadata expiration check: 0:07:22 ago on Fri May 12 06:37:02 2023.
Dependencies resolved.

```

Package	Architecture	Version	Repository	Size
Installing:				
httpd	x86_64	2.4.56-1.amzn2023	amazonlinux	48 k
Installing dependencies:				
apr	x86_64	1.7.2-2.amzn2023.0.2	amazonlinux	129 k
apr-util	x86_64	1.6.3-1.amzn2023.0.1	amazonlinux	98 k
generic-logos-httpd	noarch	18.0.0-12.amzn2023.0.3	amazonlinux	19 k
httpd-core	x86_64	2.4.56-1.amzn2023	amazonlinux	1.4 M
httpdfilesystem	noarch	2.4.56-1.amzn2023	amazonlinux	15 k
httpd-tools	x86_64	2.4.56-1.amzn2023	amazonlinux	82 k
libbrotli	x86_64	1.0.9-4.amzn2023.0.2	amazonlinux	315 k
mailcap	noarch	2.1.49-3.amzn2023.0.3	amazonlinux	33 k
Installing weak dependencies:				
apr-util-openssl	x86_64	1.6.3-1.amzn2023.0.1	amazonlinux	17 k
mod_http2	x86_64	2.0.11-2.amzn2023	amazonlinux	150 k
mod_lua	x86_64	2.4.56-1.amzn2023	amazonlinux	62 k

```
Transaction Summary
Install 12 Packages

Total download size: 2.3 M
Installed size: 6.9 M
Downloading Packages:
(1/12): apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64.rpm                256 kb/s | 17 kb  00:00
(2/12): httpd-2.4.56-1.amzn2023.x86_64.rpm                            681 kb/s | 48 kb  00:00
(3/12): apr-1.7.2-2.amzn2023.0.2.x86_64.rpm                          1.7 MB/s | 129 kb  00:00
(4/12): libbrotli-1.0.9-4.amzn2023.0.2.x86_64.rpm                     10 MB/s | 315 kb  00:00
(5/12): apr-util-1.6.3-1.amzn2023.0.1.x86_64.rpm                     4.0 MB/s | 98 kb  00:00
(6/12): httpd-core-2.4.56-1.amzn2023.x86_64.rpm                       23 MB/s | 1.4 MB  00:00
(7/12): mod_http2-2.0.11-2.amzn2023.x86_64.rpm                       3.9 MB/s | 150 kb  00:00
(8/12): httpd-tools-2.4.56-1.amzn2023.x86_64.rpm                     2.2 MB/s | 82 kb  00:00
(9/12): mailcap-2.1.49-3.amzn2023.0.3.noarch.rpm                     1.9 MB/s | 33 kb  00:00
(10/12): generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch.rpm       951 kb/s | 19 kb  00:00
(11/12): mod_lua-2.4.56-1.amzn2023.x86_64.rpm                        2.6 MB/s | 62 kb  00:00
```

i-040a980871f4819d4 (cloudpractice)

PublicIP: 54.196.144.20 PrivateIP: 172.31.21.195

```
Preparing
Installing : apr-1.7.2-2.amzn2023.0.2.x86_64
Installing : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
Installing : apr-util-1.6.3-1.amzn2023.0.1.x86_64
Installing : mailcap-2.1.49-3.amzn2023.0.3.noarch
Installing : httpd-tools-2.4.56-1.amzn2023.x86_64
Running scriptlet: httpdfilesystem-2.4.56-1.amzn2023.noarch
Installing : httpd-core-2.4.56-1.amzn2023.noarch
Installing : httpd-2.4.56-1.amzn2023.x86_64
Installing : mod_http2-2.0.11-2.amzn2023.x86_64
Installing : mod_lua-2.4.56-1.amzn2023.x86_64
Installing : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
Installing : libbrotli-1.0.9-4.amzn2023.0.2.x86_64
Installing : httpd-2.4.56-1.amzn2023.x86_64
Running scriptlet: httpd-2.4.56-1.amzn2023.x86_64
Verifying : apr-1.7.2-2.amzn2023.0.2.x86_64
Verifying : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
Verifying : httpd-2.4.56-1.amzn2023.x86_64
Verifying : libbrotli-1.0.9-4.amzn2023.0.2.x86_64
Verifying : httpd-core-2.4.56-1.amzn2023.x86_64
Verifying : apr-util-1.6.3-1.amzn2023.0.1.x86_64
Verifying : mod_http2-2.0.11-2.amzn2023.x86_64
Verifying : httpd-tools-2.4.56-1.amzn2023.x86_64
Verifying : mod_lua-2.4.56-1.amzn2023.x86_64
Verifying : mailcap-2.1.49-3.amzn2023.0.3.noarch
Verifying : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
Verifying : httpdfilesystem-2.4.56-1.amzn2023.noarch
```

```
Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64      apr-util-1.6.3-1.amzn2023.0.1.x86_64      apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64      generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
httpd-2.4.56-1.amzn2023.x86_64      httpd-core-2.4.56-1.amzn2023.x86_64      httpdfilesystem-2.4.56-1.amzn2023.noarch      httpd-tools-2.4.56-1.amzn2023.x86_64
libbrotli-1.0.9-4.amzn2023.0.2.x86_64  mailcap-2.1.49-3.amzn2023.0.3.noarch      mod_http2-2.0.11-2.amzn2023.x86_64      mod_lua-2.4.56-1.amzn2023.x86_64
```

```
Complete!
[root@ip-172-31-21-195 ~]# systemctl status httpd
o httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
   Active: inactive (dead)
     Docs: man:httpd.service(8)
[root@ip-172-31-21-195 ~]#
```

```
[root@ip-172-31-21-195 aws]# unzip oc.zip
Archive:  oc.zip
replace oc/.classpath? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
inflating: oc/.classpath
replace oc/.gitignore? [y]es, [n]o, [A]ll, [N]one, [r]ename: ^Z
[1]+  Stopped                  unzip oc.zip
[root@ip-172-31-21-195 aws]# ls
oc  oc.zip
[root@ip-172-31-21-195 aws]# cd oc
[root@ip-172-31-21-195 oc]# ls
HELP.md  bin  dockerfile  mvnw  mvnw.cmd  pom.xml  src  target
[root@ip-172-31-21-195 oc]#
```

```
[root@ip-172-31-21-195 oc]# mv * /var/www/html/
[root@ip-172-31-21-195 oc]# cd /var/www/html/
[root@ip-172-31-21-195 html]# systemctl status httpd
o httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
   Active: inactive (dead)
     Docs: man:httpd.service(8)
[root@ip-172-31-21-195 html]# systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-21-195 html]# systemctl start httpd
[root@ip-172-31-21-195 html]#
```

Instance summary for i-040a980871f4819d4 (cloudpractice) [Info](#)

↻

Connect

Instance state ▾

Actions

Instance ID
i-040a980871f4819d4 (cloudpractice)

IPV6 address
-

Hostname type
IP name: ip-172-31-21-195.ec2.internal

Answer private resource DNS name
IPv4 (A)

Auto-assigned IP address
54.196.144.20 [Public IP]

IAM Role
-

IMDSv2
Required

Public IPv4 address
54.196.144.20 | [open address](#)

Instance state
Running

Private IP DNS name (IPv4 only)
ip-172-31-21-195.ec2.internal

Instance type
t2.micro

VPC ID
vpc-02de5a70e69c545d7

Subnet ID
subnet-096794d1fe5045843

Private IPv4 addresses
172.31.21.195

Public IPv4 DNS
ec2-54-196-144-20.compute-1.amazonaws.com | [open address](#)

Elastic IP addresses
-

AWS Compute Optimizer finding
[Opt-in to AWS Compute Optimizer for recommendations.](#) | [Learn more](#)

Auto Scaling Group name
-

AWS Email Ver...Instance details...[121] Deploy b...EC2 Instance C...[111] Debugge...Delete direct...OmkarPati195...Cloud Compou...Amazon Web...pratikatham...54.196.144.20

←→↻Not secure | 54.196.144.20

It works!

31°C Sunny

Search

ENG IN

12:47 12-05-2023

Databases

Group resources ↻

Modify

Actions ▾

Restore from S3

Create database

Filter by databases

< 1 > ⚙

DB identifier	Role	Engine	Region & AZ	Size	Status	Actions	CPU	Current activity	Maintenance
pratik	Instance	PostgreSQL	us-east-1a	db.t3.micro	Available	2 Actions	5.73%	1.00 sessions	none

RDS > Databases > pratik

pratik

Modify

Actions ▾

Summary

DB identifier
pratik

Role
Instance

CPU
5.73%

Current activity
1.00 sessions

Status
Available

Engine
PostgreSQL

Class
db.t3.micro

Region & AZ
us-east-1a

Connectivity & security

Monitoring

Logs & events

Configuration

Maintenance & backups

Tags

Connectivity & security

Endpoint & port

Endpoint
pratik.cmyoezxvhds.us-east-1.rds.amazonaws.com

Port
5432

Networking

Availability Zone
us-east-1a

VPC
vpc-02de5a70e69c545d7

Subnet group
default-vpc-02de5a70e69c545d7

Subnets
subnet-096794d1fe5045843
subnet-060f4bf5353411d4c
subnet-0f61d96f9f40611b6
subnet-0dd0d1eff56dd82ee
subnet-013d3c3860f8ccd3c
subnet-0f318ab54c1ad2049

Network type
IPv4

Security

VPC security groups
pratik (sg-086dd5fe4efc9bbc6)
Active

Publicly accessible
Yes

Certificate authority Info
rds-ca-2019

Certificate authority date
August 22, 2024, 22:38 (UTC+05:30)

DB instance certificate expiration date
August 22, 2024, 22:38 (UTC+05:30)

New site - sftp://ec2-user@54.208.173.62 - FileZilla

File Edit View Transfer Server Bookmarks Help

Host: Username: Password: Port: Quickconnect

Status: Starting upload of C:\Users\prati\150 questionswith solution.pdf
Status: File transfer successful, transferred 554,632 bytes in 2 seconds
Status: Retrieving directory listing of "/home/ec2-user" ...
Status: Listing directory "/home/ec2-user" successful
Status: Directory listing of "/home/ec2-user" successful
Status: Disconnected from server

Not connected New site - sftp://ec2-user@54.208.173.62

Local site: C:\Users\prati

Remote site: /home/ec2-user

Filename	Filesize	Filetype	Last modified
Videos		File folder	02-01-2023 01:06:44
VirtualBox VMs		File folder	04-03-2023 03:26:42
.bash_history	14	BASH_HISTOY File	10-04-2023 12:34:20
.condarc	25	CONDARC File	01-03-2022 15:10:13
.cshrc	17,853	DBSHELL File	26-04-2022 18:39:32
.git-for-windows-updater	53	GIT-FOR-WINDO...	27-04-2023 02:04:42
.gitconfig	54	Git Config Source ...	10-04-2023 17:42:03
.lessht	20	LESSHST File	10-04-2023 18:06:34
.mongorc.js	0	JSFile	17-04-2022 14:11:51
150 questionswith solutio...	554,632	Microsoft Edge PD...	06-04-2022 17:10:13
NTUSER.DAT	9,699,328	DAT File	11-05-2023 23:12:27
ntuser.dat.LOG1	1,966,080	LOG1 File	01-01-2023 23:52:39
ntuser.dat.LOG2	2,097,152	LOG2 File	01-01-2023 23:52:39
NTUSER.DAT{a2332f18-cd...	65,536	BLF File	01-01-2023 23:52:39
NTUSER.DAT{a2332f18-cd...	524,288	REGTRANS-MS File	01-01-2023 23:52:39
NTUSER.DAT{a2332f18-cd...	524,288	REGTRANS-MS File	01-01-2023 23:52:39
ntuser.ini	20	Configuration setti...	02-01-2023 01:06:36
practice.txt	0	TXT File	08-07-2022 01:47:09

Filename	Filesize	Filetype	Last modified	Permissions	Owner/Group
..			12-05-2023 14:...	drwxr-xr-x	ec2-user ec...
.ssh		File folder	12-05-2023 14:...	drwxr-xr-x	ec2-user ec...
defaultuser100000		File folder	12-05-2023 14:...	drwxr-xr-x	ec2-user ec...
.bash_logout	18	Bash Logo...	29-01-2023 03:...	-rw-r--r--	ec2-user ec...
.bash_profile	141	Bash Profil...	29-01-2023 03:...	-rw-r--r--	ec2-user ec...
.bashrc	492	Bash RC So...	29-01-2023 03:...	-rw-r--r--	ec2-user ec...
150 questionswith sol...	554,632	Microsoft ...	12-05-2023 14:...	-rw-rw-r--	ec2-user ec...

Selected 1 file. Total size: 554,632 bytes

4 files and 2 directories. Total size: 555,283 bytes

Instances (2) Info

Find instance by attribute or tag (case-sensitive)

cloudpractice

i-040a980871f4819d4

Stopped

t2.micro

No alarms

us-east-1b

-

-

-

myserver

i-067a9fe801f199edc

Running

t2.micro

2/2 checks passed

No alarms

us-east-1a

ec2-54-208-173-62.co...

54.208.173.62

-

```
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-067a9fe801f199edc&osUser=ec2-us

aws Services Search [Alt+S]

#_
####
~\  #####\
~\  \###|
~\  \#/
~\  v~'  ->
~\  /m/
~\  /m/

Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Fri May 12 08:42:48 2023 from 18.206.107.28
[ec2-user@ip-172-31-88-85 ~]$ ls
[ec2-user@ip-172-31-88-85 ~]$ cd ..
[ec2-user@ip-172-31-88-85 home]$ ls
ec2-user
[ec2-user@ip-172-31-88-85 home]$ cd ec2-user/
[ec2-user@ip-172-31-88-85 ~]$ ls -a
.  ..  .bash_logout  .bash_profile  .bashrc  .ssh
[ec2-user@ip-172-31-88-85 ~]$ ls -a
.  ..  .bash_logout  .bash_profile  .bashrc  .ssh  '150 questionswith solution .pdf'  defaultuser100000
[ec2-user@ip-172-31-88-85 ~]$
```

pgAdmin 4

pgAdmin File Object Tools Help

Browser Dashboard Properties SQL Statistics Dependencies Dependents

- Servers (3)
 - PostgreSQL 14
 - my_db
 - pratik
 - Databases (2)
 - postgres
 - rdsadmin
 - Login/Group Roles (20)
 - pg_database_owner
 - pg_execute_server_program
 - pg_monitor
 - pg_read_all_data
 - pg_read_all_settings
 - pg_read_all_stats
 - pg_read_server_files
 - pg_signal_backend
 - pg_stat_scan_tables
 - pg_write_all_data
 - pg_write_server_files
 - postgres
 - rds_ad
 - rds_iam
 - rds_password
 - rds_replication
 - rds_superuser
 - rdsadmin
 - rdsrepladmin
 - rdstopmgr
 - Tablespaces

```

ubuntu@ip-172-31-29-102: ~
timeout] [-u user] file ...
ubuntu@ip-172-31-29-102:~$ sudo -i -u postgres -h database.cmyoezxivhds.us-east-1.rds.amazonaws.com
postgres@ip-172-31-29-102:~$ \l
1: command not found
postgres@ip-172-31-29-102:~$ psql
psql (14.7 (Ubuntu 14.7-0ubuntu0.22.04.1))
Type "help" for help.

postgres=# \l

          List of databases
  Name      | Owner   | Encoding | Collate | Ctype   | Access privileges
-----+-----+-----+-----+-----+-----
 abc       | postgres | UTF8      | C.UTF-8 | C.UTF-8 | 
 postgres  | postgres | UTF8      | C.UTF-8 | C.UTF-8 | 
 template0 | postgres | UTF8      | C.UTF-8 | C.UTF-8 | =c/postgres +
           |          |           |         |         | postgres=CTc/postgres
 template1 | postgres | UTF8      | C.UTF-8 | C.UTF-8 | =c/postgres +
           |          |           |         |         | postgres=CTc/postgres
(4 rows)

postgres=#

```

Database Details - RDS Manager x Databases - RDS Management x EC2 Instance Connect x

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=s

aws Services Search

```

#_
~\####_ Amazon Linux 2023
~~\#####\
~~\###|
~~\#/ https://aws.amazon.com/linux/amazon-linux-2023
~~V~'-'>
~~~
~~~
~~~
~/m/'

```

Last login: Fri May 12 09:19:46 2023 from 18.206.107.27

```

[ec2-user@ip-172-31-88-85 ~]$ ls
'150 questionswith solution .pdf' defaultuser100000
[ec2-user@ip-172-31-88-85 ~]$

```

Your database **pratik** is stopped temporarily. It will restart automatically after 7 days, on May 19, 2023, 15:57 (UTC+05:30)

Successfully created database **database**

You can use settings from database to simplify configuration of [suggested database add-ons](#) while we finish creating your DB for you.

How was your experience creating an Amazon RDS database? [Provide feedback](#)

Introducing Aurora I/O-Optimized

Aurora's I/O-Optimized

 is a new cluster storage configuration that offers predictable pricing for all applications and improved price-performance, with up to 40% costs savings for I/O-intensive applications.

RDS

Databases

Consider creating a Blue/Green Deployment to minimize downtime during upgrades

You may want to consider using Amazon RDS Blue/Green Deployments and minimize your downtime during upgrades. A Blue/Green Deployment provides a staging environment for changes to production databases. [RDS User Guide](#) [Aurora User Guide](#)

Databases

Group resources

Modify

Actions

Restore from S3

Create database

Filter by databases

DB identifier	Role	Engine	Region & AZ	Size	Status	Actions	CPU	Cur
database	Instance	PostgreSQL	us-east-1a	db.t3.micro	Available	-	-	
pratik	Instance	PostgreSQL	us-east-1a	db.t3.micro	Stopped temporarily	2 Actions	5.70%	

Instances (3)

Find instance by attribute or tag (case-sensitive)

Connect

Instance state

Actions

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
cloudpractice	i-040a980871f4819d4	Stopped	t2.micro	-	No alarms	us-east-1b	-	-
newsrerver	i-01de2a134fcaa8f59	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-52-5-74-58.comput...	52.5.74.58
myserver	i-067a9fe801f199edc	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-18-212-9-241.com...	18.212.9.241

PublicIPs: 54.196.144.20 PrivateIPs: 172.31.21.195

