

Examen practico computacion en la nube

1 y 2 creación de Instancia y lanzar una instancia

Instance summary for i-0033203126cf18f01 (demo-ec2-yennyfergomezh) [Info](#)

Updated less than a minute ago

Instance ID	i-0033203126cf18f01	Public IPv4 address	3.85.130.170 open address 🔗
IPv6 address	-	Instance state	Running
Hostname type	IP name: ip-172-31-38-95.ec2.internal	Private IP DNS name (IPv4 only)	ip-172-31-38-95.ec2.internal
Answer private resource DNS name	-	Instance type	t3.micro
Auto-assigned IP address	3.85.130.170 [Public IP]	VPC ID	vpc-00f479057476a2db8 🔗
IAM role	-	Subnet ID	subnet-0b2fbf6da06d9ba4b 🔗
IMDSv2	Required	Instance ARN	arn:aws:ec2:us-east-1:654654478122:instance/i-0033203126cf18f01
Operator	-	Elastic IP addresses	-
Details Status and alarms Monitoring Security Networking Storage Tags			

▼ Instance details [Info](#)

AMI ID	ami-0c1fe732b5494dc14	Monitoring	disabled
AMI name	al2023-ami-2023.10.20260202.2-kernel-6.1-x86_64	Allowed image	-
Stop protection	Disabled	Launch time	Thu Feb 12 2026 19:40:44 GMT-0500 (hora estándar de Colombia) (less than a minute)
Instance reboot migration	Default (On)	Instance auto-recovery	Default
Stop-hibernate behavior	Disabled	AMI Launch index	0
State transition reason	-	Credit specification	unlimited
State transition message	-	Usage operation	RunInstances
Owner	654654478122	Enclaves Support	Disabled
Current instance boot mode	uefi	Allow tags in instance metadata	Disabled

Connect [Instance state](#) [Actions](#)

Private IPv4 addresses

[172.31.38.95](#)

Public DNS

[ec2-3-85-130-170.compute-1.amazonaws.com](#) | [open address](#) [🔗](#)

Elastic IP addresses

-

AWS Compute Optimizer finding

User: arn:aws:iam::654654478122:user/students/andrea3578@hotmail.com is not authorized to perform: compute-optimizer:GetEnvironmentStatus on resource: * because no identity-based policy allows the compute-optimizer:GetEnvironmentStatus action

Auto Scaling Group name

-

Managed

false

Platform details

Linux/UNIX

Termination protection

Disabled

AMI location

[amazon/al2023-ami-2023.10.20260202.2-kernel-6.1-x86_64](#)

Lifecycle

normal

Key pair assigned at launch

[key-pair-yennyfergomezh](#)

Kernel ID

-

RAM disk ID

-

Boot mode

[uefi-preferred](#)

Use RBN as guest OS hostname

[Disabled](#)

Details | [Status and alarms](#) | [Monitoring](#) | [Security](#) | [Networking](#) | [Storage](#) | [Tags](#)

▼ Instance details [Info](#)

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State transition message	-	Usage operation	RunInstances
Owner	654654478122	Enclaves Support	Disabled
Current instance boot mode	uefi	Allow tags in instance metadata	Disabled
Answer RBN DNS hostname IPv4	Disabled		

▼ Host and placement group [Info](#)

Host ID	-	Affinity	-
Host resource group name	-	Tenancy	default
Virtualization type	hvm	Reservation	r-03262273e506410ae
Number of vCPUs	2		

▼ Capacity reservation [Info](#)

Capacity Reservation ID	-	Capacity Reservation setting	open
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Placement group

-

Placement group ID

-

Partition number

-

3.conexión de instancia vía SSH

The screenshot shows a Windows PowerShell window with the title bar "Windows PowerShell" and the tab "ec2-user@ip-172-31-38-95:~". The command "ls" is run to list files in the directory C:\Users\andre\Documents. A file named "key-pair-yennyfergomezh.pem" is listed. The file is then used with the "ssh" command to connect to the EC2 instance at "ec2-3-85-130-170.compute-1.amazonaws.com". The host's fingerprint is displayed, and the user is prompted to continue connecting. The response "yes" is given, and the host is added to the list of known hosts. The connection is established, and the prompt "[ec2-user@ip-172-31-38-95 ~]\$ |" is shown.

```
Windows PowerShell
ec2-user@ip-172-31-38-95:~ + - X

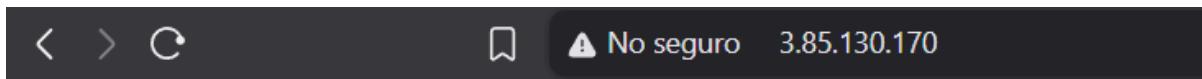
Directorio: C:\Users\andre\Documents

Mode          LastWriteTime      Length Name
----          -----          ---- 
-a--- 12/02/2026 12:22 p. m.       1678 key-pair-yennyfergomezh.pem

PS C:\Users\andre\Documents> ssh -i "key-pair-yennyfergomezh.pem" ec2-user@ec2-3-85-130-170.compute-1.amazonaws.com
The authenticity of host 'ec2-3-85-130-170.compute-1.amazonaws.com (3.85.130.170)' can't be established.
ED25519 key fingerprint is SHA256:cHT+s6eXG80gAlBUUXMuzI6H15CtesnzRGGn+0fSHDo.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-3-85-130-170.compute-1.amazonaws.com' (ED25519) to the list of known hosts.

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

[ec2-user@ip-172-31-38-95 ~]$ |
```



It works!



LOAD TEST RDS

Meta-Data	Value
InstanceId	i-0033203126cf18f01
Availability Zone	us-east-1d

Current CPU Load: 6%

4. EBS con TAGs

Create volume

Volume type | [Info](#)
General Purpose SSD (gp3)

Size (GiB) | [Info](#)
1
Min: 1 GiB, Max: 65536 GiB.

IOPS | [Info](#)
3000
Min: 3000 IOPS, Max: 80000 IOPS.

Throughput (MiB/s) | [Info](#)
125
Min: 125 MiB, Max: 2000 MiB. Baseline: 125 MiB/s.

Availability Zone | [Info](#)
use1-az1 (us-east-1a)

Snapshot ID - optional | [Info](#)
Don't create volume from a snapshot

Encryption | [Info](#)
Use Amazon EBS encryption as an encryption solution for your EBS resources associated with your EC2 instances.
 Encrypt this volume

Tags - optional [Info](#)
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - optional
<input type="text"/> name	<input type="text"/> Examen Practico
<input type="text"/> Environment	<input type="text"/> Yennyfer Andrea Gomez

[Add more tags](#)

Attach volume

vol-0fa21e60354cbe9b7 > Attach volume

Attach volume Info

Attach a volume to an instance to use it as you would a regular physical hard disk drive.

Basic details

Volume ID
vol-0fa21e60354cbe9b7

Availability Zone
use1-az6 (us-east-1d)

Instance | **Info**
i-0033203126cf18f01
(demo-ec2-yennyfergomezh) (running)

Only instances in the same Availability Zone as the selected volume are displayed.

Device name | **Info**
Select a device name

Recommended device names for Linux: /dev/xvda for root volume. /dev/sd[f-p] for data volumes.

Successfully attached volume vol-0fa21e60354cbe9b7 to instance i-0033203126cf18f01.

Volumes (48) Info

Last updated less than a minute ago

Actions | Create volume

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Source volume ID	Created	Availability Zone	Volume state
examen-caliche	vol-0db62270c95f04c5e	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/12 19:46 GMT-5	use1-az1 (us-east-1a)	In-use
instance-Andr...	vol-04124da24dd42510	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/12 20:30 GMT-5	use1-az3 (us-east-1e)	In-use
pabloz	vol-005ab07de9df0a96d	gp3	3 GiB	3000	125	-	-	2026/02/12 19:56 GMT-5	use1-az1 (us-east-1a)	In-use
	vol-0a744c8ed10575ef2	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/12 19:48 GMT-5	use1-az1 (us-east-1a)	In-use
	vol-0e72c00da7f08271c	gp3	3 GiB	3000	125	-	-	2026/02/12 20:25 GMT-5	use1-az1 (us-east-1a)	Available
	aldemar.examen	vol-080f505e6667a876f4	gp3	3 GiB	3000	125	-	2026/02/12 20:15 GMT-5	use1-az4 (us-east-1c)	In-use
	vol-0cb9bca492e9790f62	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/12 20:08 GMT-5	use1-az1 (us-east-1a)	In-use

Fault tolerance for all volumes in this Region

i-0033203126cf18f01

Storage

Root device details

Root device name: /dev/xvda

Root device type: EBS

EBS optimization enabled

Block devices

Filter block devices

Volume ID	Device name	Volume size (GiB)	Volume State	Attachment status	EBS card index	Attachment time	Encrypted	KMS key ID
vol-0cb0b50a8e9fcc802	/dev/xvda	8	In-use	Attached	0	2026/02/12 19:40 GMT-5	No	-
vol-0fa21e60354cbe9b7	/dev/sdf	1	In-use	Attached	0	2026/02/12 20:31 GMT-5	No	-

Volume monitoring (1)

5. crear un Bucket (s3)

The screenshot shows the AWS S3 console. At the top, there is a green banner with the message "Successfully created bucket 'yennyfergomez-examen-2026'. To upload files and folders, or to configure additional bucket settings, choose View details." Below the banner, there are two tabs: "General purpose buckets" (selected) and "All AWS Regions". On the right, there are three cards: "Account snapshot" (updated daily), "External access summary" (updated daily), and "Storage Lens provides visibility into storage usage". The main area displays a table of "General purpose buckets (19)" with columns: Name, AWS Region, and Creation date. The table lists 19 buckets, all created on February 12, 2026, in US East (N. Virginia) us-east-1.

Name	AWS Region	Creation date
aldevar-examen-feb	US East (N. Virginia) us-east-1	February 12, 2026, 20:29:32 (UTC-05:00)
alejandromv-s3	US East (N. Virginia) us-east-1	February 12, 2026, 19:52:53 (UTC-05:00)
andresortizbedoya-examenmodulo1	US East (N. Virginia) us-east-1	February 12, 2026, 20:12:48 (UTC-05:00)
angel-gonzalez-padilla-examen-s3	US East (N. Virginia) us-east-1	February 12, 2026, 19:52:53 (UTC-05:00)
baldos52-bucket	US East (N. Virginia) us-east-1	February 12, 2026, 19:56:13 (UTC-05:00)
bucketjulianparra	US East (N. Virginia) us-east-1	February 12, 2026, 20:28:01 (UTC-05:00)
carlos-jimenez-examen	US East (N. Virginia) us-east-1	February 12, 2026, 19:55:19 (UTC-05:00)
davidrobon-s3-examen-mod1	US East (N. Virginia) us-east-1	February 12, 2026, 20:38:02 (UTC-05:00)
examen-diana-s3-bucket	US East (N. Virginia) us-east-1	February 12, 2026, 20:20:15 (UTC-05:00)
examen-modulo1-alejandro-ramirez-s3	US East (N. Virginia) us-east-1	February 12, 2026, 19:48:37 (UTC-05:00)
examsojao	US East (N. Virginia) us-east-1	February 12, 2026, 20:09:56 (UTC-05:00)
jose-manuel	US East (N. Virginia) us-east-1	February 12, 2026, 20:31:24 (UTC-05:00)
juan-module1	US East (N. Virginia) us-east-1	February 12, 2026, 19:51:36 (UTC-05:00)
modulo1-bs3-jeffersonvargas	US East (N. Virginia) us-east-1	February 12, 2026, 20:32:17 (UTC-05:00)
pablocastano6-bucket-s3	US East (N. Virginia) us-east-1	February 12, 2026, 20:02:48 (UTC-05:00)
pablozzz	US East (N. Virginia) us-east-1	February 12, 2026, 20:29:48 (UTC-05:00)
s3bucket-santiagorojas-examen	US East (N. Virginia) us-east-1	February 12, 2026, 19:49:53 (UTC-05:00)

The screenshot shows the AWS S3 console with a modal window titled "Upload: status". The modal contains a green banner with the message "Upload succeeded. For more information, see the Files and folders table." Below the banner, there is a summary table with columns: Destination, Succeeded, and Failed. The destination is "s3://yennyfergomez-examen-2026". There is one succeeded file and zero failed files. At the bottom, there are tabs for "Files and folders" and "Configuration".

Destination	Succeeded	Failed
s3://yennyfergomez-examen-2026	1 file, 30.0 B (100.00%)	0 files, 0 B (0%)

Files and folders (1 total, 30.0 B)

Find by name	1 >				
Name	Folder	Type	Size	Status	Error
Examen.txt	-	text/plain	30.0 B	Succeeded	-