

# Key Pair

Key Pair creado:

The screenshot shows the AWS EC2 console with the 'Key pairs' section selected. The left sidebar includes options like Dashboard, EC2 Global View, Events, Instances, Images, and Capacity Manager. The main area displays a table titled 'Key pairs (10) Info' with columns for Name, Type, Created, Fingerprint, and ID. Each row lists a key pair name, its type (rsa), creation date, a long hex fingerprint, and a unique ID.

Name	Type	Created	Fingerprint	ID
pukiretsu-deb	rsa	2026/02/08 12:27 GMT-5	8c:70:a1:f5:a0:06:8e:9c:20:f3:26:5f:d8:ec:b1:...	key-0a491...
key-pair-santiagorojas	rsa	2026/02/12 19:19 GMT-5	84:a4:57:fc:a1:fc:be:1d:3e:2f:c8:92:a0:ad:02:4...	key-0789a...
Johan	rsa	2026/02/10 07:23 GMT-5	45:81:35:4b:8a:0cb1:b7:50:5e:30:86:50:f3:b4:...	key-0050f...
key-pair-pablocastano6	rsa	2026/02/12 19:18 GMT-5	91:9d:d6:90:4e:6c:66:9f:f7:5ed3:fb:6d:e4:c8:...	key-0b736...
diana-prueba	rsa	2026/02/12 10:22 GMT-5	bdddbb5:30:87:07:fd:05:7eed:9fd:6:ec:57:ce:...	key-0a2a7...
keypair	rsa	2026/02/06 21:29 GMT-5	ff:7e:a5:04:e8:33:2b:13:13:5b:2d:cce:5:72:75:...	key-0121d...
keypair julianparra	rsa	2026/02/12 19:18 GMT-5	5cff:0b:61:3a:8e:56:1fcfc:2:05:19:04:20:9d:e...	key-0bb75...
AlejandroMV	rsa	2026/02/12 19:17 GMT-5	30:10:39:48:32:2e:0cfbc:1:49:12:87:fc:14:a:...	key-0f202...
calicheeva	rsa	2026/02/12 17:25 GMT-5	56:6c:40:4c:44:bc:5b:10:2e:1e:7e:95:5a:d1:e3:...	key-0e5f3...
key-pair-yennyfergomezh	rsa	2026/02/12 12:22 GMT-5	15:0a:9b:4a:0d:4c:68:95:7f:d9:3c:2b:50:37:a8:...	key-07ce1...

# EC2

Configuracion de la instance:

The screenshot shows the AWS EC2 Instances page with the instance 'i-06dfb7b9aa06f32fb' selected. The left sidebar includes options like Reserved Instances, Dedicated Hosts, Capacity Reservations, Capacity Manager, Images, Elastic Block Store, Network & Security, Load Balancing, and Trust Stores. The main area displays an 'Instance summary' for the selected instance, providing details such as Instance ID, Public IPv4 address (98.89.3.137), Instance state (Running), Private IP DNS name (ip-172-31-22-224.ec2.internal), Instance type (t3.micro), VPC ID (vpc-00f479057476a2db8), Subnet ID (subnet-0ed46236dc39c8c58), and Auto Scaling Group name (none).

Screenshot of the AWS EC2 Instances details page for instance i-06dfb7b9aa06f32fb.

**Instance ARN:** arn:aws:ec2:us-east-1:654654478122:instance/i-06dfb7b9aa06f32fb

**Managed:** false

Details	Status and alarms	Monitoring	Security	Networking	Storage	Tags																		
<b>Instance details</b> <small>Info</small> <table border="1"> <tr> <td><b>AMI ID:</b> ami-0c1fe732b5494dc14</td> <td><b>Monitoring:</b> disabled</td> <td><b>Platform details:</b> Linux/UNIX</td> </tr> <tr> <td><b>AMI name:</b> al2023-ami-2023.10.20260202.2-kernel-6.1-x86_64</td> <td><b>Allowed image:</b> -</td> <td><b>Termination protection:</b> Disabled</td> </tr> <tr> <td><b>Stop protection:</b> Disabled</td> <td><b>Launch time:</b> Thu Feb 12 2026 19:26:29 GMT-0500 (hora estándar de Colombia) (59 minutes)</td> <td><b>AMI location:</b> amazon/al2023-ami-2023.10.20260202.2-kernel-6.1-x86_64</td> </tr> <tr> <td><b>Instance reboot migration:</b> Default (On)</td> <td><b>Instance auto-recovery:</b> Default</td> <td><b>Lifecycle:</b> normal</td> </tr> <tr> <td><b>Stop-hibernate behavior:</b> Disabled</td> <td><b>AMI Launch index:</b> 0</td> <td><b>Key pair assigned at launch:</b> key-pair-santagorojas</td> </tr> <tr> <td><b>State transition reason:</b> -</td> <td><b>Credit specification:</b> unlimited</td> <td><b>Kernel ID:</b> -</td> </tr> </table>							<b>AMI ID:</b> ami-0c1fe732b5494dc14	<b>Monitoring:</b> disabled	<b>Platform details:</b> Linux/UNIX	<b>AMI name:</b> al2023-ami-2023.10.20260202.2-kernel-6.1-x86_64	<b>Allowed image:</b> -	<b>Termination protection:</b> Disabled	<b>Stop protection:</b> Disabled	<b>Launch time:</b> Thu Feb 12 2026 19:26:29 GMT-0500 (hora estándar de Colombia) (59 minutes)	<b>AMI location:</b> amazon/al2023-ami-2023.10.20260202.2-kernel-6.1-x86_64	<b>Instance reboot migration:</b> Default (On)	<b>Instance auto-recovery:</b> Default	<b>Lifecycle:</b> normal	<b>Stop-hibernate behavior:</b> Disabled	<b>AMI Launch index:</b> 0	<b>Key pair assigned at launch:</b> key-pair-santagorojas	<b>State transition reason:</b> -	<b>Credit specification:</b> unlimited	<b>Kernel ID:</b> -
<b>AMI ID:</b> ami-0c1fe732b5494dc14	<b>Monitoring:</b> disabled	<b>Platform details:</b> Linux/UNIX																						
<b>AMI name:</b> al2023-ami-2023.10.20260202.2-kernel-6.1-x86_64	<b>Allowed image:</b> -	<b>Termination protection:</b> Disabled																						
<b>Stop protection:</b> Disabled	<b>Launch time:</b> Thu Feb 12 2026 19:26:29 GMT-0500 (hora estándar de Colombia) (59 minutes)	<b>AMI location:</b> amazon/al2023-ami-2023.10.20260202.2-kernel-6.1-x86_64																						
<b>Instance reboot migration:</b> Default (On)	<b>Instance auto-recovery:</b> Default	<b>Lifecycle:</b> normal																						
<b>Stop-hibernate behavior:</b> Disabled	<b>AMI Launch index:</b> 0	<b>Key pair assigned at launch:</b> key-pair-santagorojas																						
<b>State transition reason:</b> -	<b>Credit specification:</b> unlimited	<b>Kernel ID:</b> -																						

Screenshot of the AWS EC2 Instances details page for instance i-06dfb7b9aa06f32fb.

<b>State transition message:</b> -	<b>Usage operation:</b> RunInstances	<b>RAM disk ID:</b> -												
<b>Owner:</b> 654654478122	<b>Enclaves Support:</b> Disabled	<b>Boot mode:</b> uefi-preferred												
<b>Current instance boot mode:</b> uefi	<b>Allow tags in instance metadata:</b> Disabled	<b>Use RBN as guest OS hostname:</b> Disabled												
<b>Answer RBN DNS hostname IPv4:</b> Enabled														
<b>Host and placement group</b> <small>Info</small> <table border="1"> <tr> <td><b>Host ID:</b> -</td> <td><b>Affinity:</b> -</td> <td><b>Placement group:</b> -</td> </tr> <tr> <td><b>Host resource group name:</b> -</td> <td><b>Tenancy:</b> default</td> <td><b>Placement group ID:</b> -</td> </tr> <tr> <td><b>Virtualization type:</b> hvm</td> <td><b>Reservation:</b> r-0e7f6830736db2305</td> <td><b>Partition number:</b> -</td> </tr> <tr> <td><b>Number of vCPUs:</b> 2</td> <td></td> <td></td> </tr> </table>			<b>Host ID:</b> -	<b>Affinity:</b> -	<b>Placement group:</b> -	<b>Host resource group name:</b> -	<b>Tenancy:</b> default	<b>Placement group ID:</b> -	<b>Virtualization type:</b> hvm	<b>Reservation:</b> r-0e7f6830736db2305	<b>Partition number:</b> -	<b>Number of vCPUs:</b> 2		
<b>Host ID:</b> -	<b>Affinity:</b> -	<b>Placement group:</b> -												
<b>Host resource group name:</b> -	<b>Tenancy:</b> default	<b>Placement group ID:</b> -												
<b>Virtualization type:</b> hvm	<b>Reservation:</b> r-0e7f6830736db2305	<b>Partition number:</b> -												
<b>Number of vCPUs:</b> 2														
<b>Capacity reservation</b> <small>Info</small>	<b>Capacity Reservation setting:</b> open													
<b>Capacity Reservation ID:</b> -														

**Security details**

- IAM role: -
- Owner ID: 654654478122
- Launch time: Thu Feb 12 2026 19:26:29 GMT-0500 (hora estándar de Colombia)

**Inbound rules**

Name	Security group rule ID	Port range	Protocol	Source	Security groups
-	sgr-0bd5720df169bdb6d	22	TCP	181.141.203.108/32	launch-wizard-5

**VPC ID**: vpc-00f479057476a2db8

**Subnet ID**: subnet-0ed46236dc39c8c58

**Availability zone**: us-east-1c

**IP addresses**

- Public IPv4 address: 98.89.3.137
- Private IPv4 addresses: 172.31.22.224
- IPv6 addresses: -

**Hostname and DNS**

- Public DNS: ec2-98-89-3-137.compute-1.amazonaws.com
- Private IP DNS name (IPv4 only): ip-172-31-22-224.ec2.internal
- IPv4-only IP based name: A record only: ec2-98-89-3-137.compute-1.amazonaws.com
- Dualstack - IP based name: A and AAAA record: -
- IPv6-only - IP based name: AAAA record only: -
- Public hostname type: public-ipv4-dns-name
- Private hostname type: IP name: ip-172-31-22-224.ec2.internal
- Use RDN as guest OS hostname: Disabled
- Answer RDN DNS hostname IPv4: Enabled
- Answer private resource DNS name IPv4 (A): -

**Root device details**

- Root device name: /dev/xvda
- Root device type: EBS
- EBS optimization: enabled

**Block devices**

Volume ID	Device name	Volume size (GiB)	Volume State	Attachment status	EBS card index	Attachment time
vol-0020523f95343d03a	/dev/xvda	8	In-use	Attached	0	2026/02/12 19:26:29

**Volume monitoring (1)**

Reserved Instances  
Dedicated Hosts  
Capacity Reservations  
Capacity Manager [New](#)

**Images**  
AMIs  
AMI Catalog

**Elastic Block Store**  
Volumes  
Snapshots  
Lifecycle Manager

**Network & Security**  
Security Groups  
Elastic IPs  
Placement Groups  
Key Pairs  
Network Interfaces

**Load Balancing**  
Load Balancers  
Target Groups  
Trust Stores

**Auto-assigned IP address**: 98.89.3.137 [Public IP]  
**VPC ID**: vpc-00f479057476a2db8  
**AWS Compute Optimizer finding**: User: arn:aws:iam::654654478122:user/students/santiagow3b@gmail.com is not authorized to perform: compute-optimizer:GetEnrollmentStatus on resource: \* because no identity-based policy allows the compute-optimizer:GetEnrollmentStatus action

**IAM role**: -  
**IMDSv2**: Required  
**Operator**: -  
**Subnet ID**: subnet-0ed46236dc39c8c58  
**Instance ARN**: arn:aws:ec2:us-east-1:654654478122:instance/i-06dfb7b9aa06f32fb  
**Auto Scaling Group name**: -  
**Managed**: false

**Tags**  
Name: instance-santiagorojas

Instance creada:

**EC2**  
Dashboard  
EC2 Global View [L](#)  
Events

**Instances**  
Instances  
Instance Types  
Launch Templates  
Spot Requests  
Savings Plans  
Reserved Instances  
Dedicated Hosts  
Capacity Reservations  
Capacity Manager [New](#)

**Images**  
AMIs  
AMI Catalog

**Elastic Block Store**  
Volumes  
Snapshots

**Instance summary for i-06dfb7b9aa06f32fb (instance-santiagorojas)** [Info](#)  
Updated less than a minute ago

**Instance ID**: i-06dfb7b9aa06f32fb  
**IPv6 address**: -  
**Hostname type**: IP name: ip-172-31-22-224.ec2.internal  
**Answer private resource DNS name**: IPv4 (A)  
**Auto-assigned IP address**: 98.89.3.137 [Public IP]  
**IAM role**: -  
**Public IPv4 address**: 98.89.3.137 | [open address](#)  
**Instance state**: Running  
**Private IP DNS name (IPv4 only)**: ip-172-31-22-224.ec2.internal  
**Instance type**: t3.micro  
**VPC ID**: vpc-00f479057476a2db8  
**Subnet ID**: subnet-0ed46236dc39c8c58  
**Private IPv4 addresses**: 172.31.22.224  
**Public DNS**: ec2-89-3-137.compute-1.amazonaws.com | [open address](#)  
**Elastic IP addresses**: -  
**AWS Compute Optimizer finding**: User: arn:aws:iam::654654478122:user/students/santiagow3b@gmail.com is not authorized to perform: compute-optimizer:GetEnrollmentStatus on resource: \* because no identity-based policy allows the compute-optimizer:GetEnrollmentStatus action

La pagina funciona:



Hola este es el examen

ssh funciona:

```
wispy@DESKTOP-5EP98GM:~/AWS$ ls
key-pair-santiagorojas.pem  key-pair-santiagorojas.pem:Zone.Identifier
wispyp@DESKTOP-5EP98GM:~/AWS$ chmod 400 "key-pair-santiagorojas.pem"
wispyp@DESKTOP-5EP98GM:~/AWS$ ssh -i "key-pair-santiagorojas.pem" ec2-user@ec2-98-89-3-137.compute-1.amazonaws.com
The authenticity of host 'ec2-98-89-3-137.compute-1.amazonaws.com (98.89.3.137)' can't be established.
ED25519 key fingerprint is SHA256:Ukh8kSunfACVAXUoL/xiRa+3nmGxRZ+5KPe7J7kvmlWc.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-98-89-3-137.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-172-31-22-224 ~]$ ls
[ec2-user@ip-172-31-22-224 ~]$ sudo su
[root@ip-172-31-22-224 ec2-user]# yum update -y
Last metadata expiration check: 0:03:12 ago on Fri Feb 13 00:27:16 2026.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-22-224 ec2-user]# yum install -y httpd
Last metadata expiration check: 0:03:29 ago on Fri Feb 13 00:27:16 2026.
Package httpd-2.4.66-1.amzn2023.0.1.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-22-224 ec2-user]# systemctl start httpd
[root@ip-172-31-22-224 ec2-user]# systemctl enable httpd
[root@ip-172-31-22-224 ec2-user]# echo "<h1>Hola este es el examen</h1>" >/var/www/html/index.html
[root@ip-172-31-22-224 ec2-user]# |
```

El userdata de la instance:

The screenshot shows the AWS Management Console interface for editing user data on an EC2 instance. At the top, there's a navigation bar with the AWS logo, search bar, and user information (Entrenamiento (6546-5447-8122), santiagow3b@gmail.com). Below the navigation, the URL is EC2 > Instances > i-06dfb7b9aa06f32fb > Edit user data. The main content area is titled 'Edit user data' with a 'Info' link. It shows the 'Current user data' section containing a script to download and install a web application. A 'Copy user data' button is available. A note at the bottom states: 'To edit your instance's user data you first need to stop your instance.' There are 'Cancel' and 'Save' buttons at the bottom right.

```
Instance ID
i-06dfb7b9aa06f32fb (instance-santiagorojas)

Current user data
User data currently associated with this instance.
# Install web app
cd /var/www/html
if [ ! -f immersion-day-app-php7.zip ]; then
    wget -O immersion-day-app-php7.zip
    https://static.us-east-1.prod.workshops.aws/public/0cf8e0cc-9aa4-41b3-aa
    e7-ea46d24b239e/assets/immersion-day-app-pho7.zip

```

To edit your instance's user data you first need to stop your instance.

EBS

Volume:

Volumes (37) Info

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Source volume ID	Created
instance-Andr...	vol-04124da24ddd42510	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/
	vol-0ee376c9d6cf96a60	gp3	3 GiB	3000	125	-	-	2026/02/
	vol-0a744c8eb10575ef2	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/
	vol-0c9bca492e9790f62	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/
	vol-0cb0bc0a8e9fcc802	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/
	vol-0595c982b82adfb27	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/
	vol-07576f03e6594d4d3	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/
	vol-0c4cd96fd8179be74	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/
	vol-008add8593531da31	gp3	3 GiB	3000	125	-	-	2026/02/
Module-Extra...	vol-0f06829e8d45d7a38	gp3	3 GiB	3000	125	-	-	2026/02/
	vol-0dabddcd18329a4c6	gp3	3 GiB	3000	125	-	-	2026/02/
	vol-0e47e49a86dd52859	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/
	santiagorojas	gp3	1 GiB	3000	125	-	-	2026/02/
	vol-077da231002185b8c	gp3	8 GiB	3000	125	snap-0698578...	-	2026/02/

Fault tolerance for all volumes in this Region

Volume attachado:

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-06fb8c44487f1acc8 (santiagorojas)

Availability Zone: use1-az4 (us-east-1c)

Instance: i-06dfb7b9aa06f32fb (Instance-santiagorojas) (running)

Device name: /dev/sdd

Newer Linux kernels may rename your devices to /dev/xvdf through /dev/xvdp internally, even when the device name entered here (and shown in the details) is /dev/sdf through /dev/sdp.

Cancel Attach volume

Successfully attached volume vol-06fb8c44487f1acc8 to instance i-06dfb7b9aa06f32fb.

S3

Bucket creado:

The screenshot shows the AWS S3 console with a green success message at the top: "Successfully created bucket 's3bucket-santiagorojas-examen'. To upload files and folders, or to configure additional bucket settings, choose View details." Below this, there are tabs for "General purpose buckets" and "All AWS Regions". A table lists three buckets: "examen-modulo1-alejandro-ramirez-s3", "s3bucket-santiagorojas-examen", and "test-s3-bucket-duvanacevedo", all created on February 12, 2026.

Name	AWS Region	Creation date
examen-modulo1-alejandro-ramirez-s3	US East (N. Virginia) us-east-1	February 12, 2026, 19:48:37 (UTC-05:00)
s3bucket-santiagorojas-examen	US East (N. Virginia) us-east-1	February 12, 2026, 19:49:53 (UTC-05:00)
test-s3-bucket-duvanacevedo	US East (N. Virginia) us-east-1	February 12, 2026, 19:43:03 (UTC-05:00)

On the right, there are two cards: "Account snapshot" (updated daily) and "External access summary" (updated daily).

Archivo subido:

The screenshot shows the AWS S3 console with a green success message: "Upload succeeded. For more information, see the Files and folders table." Below this, a summary table shows one succeeded file and zero failed files.

Succeeded	Failed
1 file, 22.0 B (100.00%)	0 files, 0 B (0%)

Below the summary, there are tabs for "Files and folders" and "Configuration". The "Files and folders" tab shows a table with one item: "Examen.txt" (text/plain, 22.0 B, Status: Succeeded).

Name	Folder	Type	Size	Status
Examen.txt	-	text/plain	22.0 B	Succeeded