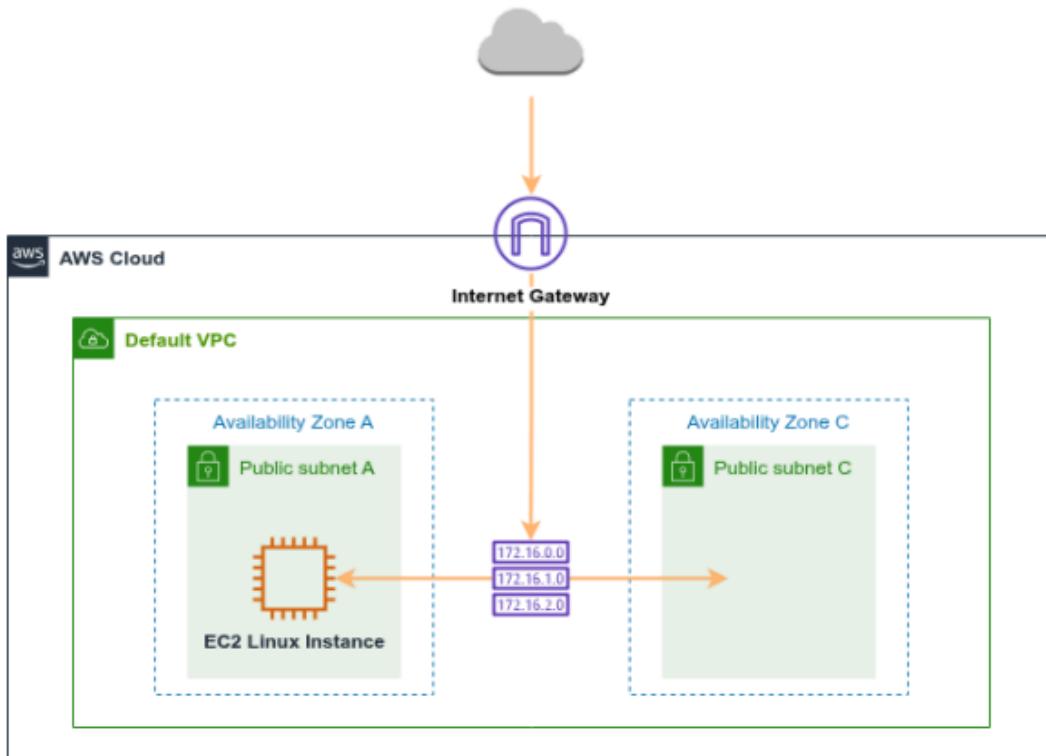


Evidencia evaluación práctica

Alejandro Montoya Vargas - alemova.1603@gmail.com

En esta práctica, debe crear su propio servidor web.



1. Creación de la VPC

Your VPCs

Name	VPC ID	State	Encryption c...	Encryption control...	Block Public...	IPv4 CIDR	IPv6 CIDR
vpc-pablocastano6	vpc-0945484f7244e5ce0a	Available	-	-	Off	10.0.0.0/16	-
AlejandroMV-VPC	vpc-01027c764a6774518	Available	-	-	Off	10.0.0.0/16	-
vpc_pedro_arribalaz	vpc-0b0752d2f83103db	Available	-	-	Off	10.0.0.0/16	-
my vpc julian parra	vpc-072396490749f22	Available	-	-	Off	10.0.1.0/24	-
-	vpc-00f479057476a2db8	Available	-	-	Off	172.31.0.0/16	-

Se crea una VPC con 2 subredes, routing table, grupos de seguridad.

2. Creación de la EC2

Instance summary for i-04c3e70b7449f9f90 (AlejandroMV-web-server)

Public IPv4 address 44.192.122.146 open address	Instance state Running	Private IPv4 addresses 10.0.1.11
Private IP DNS name (IPv4 only) ip-10-0-1-11.ec2.internal	Instance type t3.micro	Public DNS
VPC ID vpc-01027c764a6774518 (AlejandroMV-VPC)	Subnet ID subnet-06233d9029b0e602b (AlejandroMV-public-subnet-A)	Elastic IP addresses
IAM role	Instance ARN arn:aws:ec2:us-east-1:165465447812:instance/i-04c3e70b7449f9f90	AWS Compute Optimizer finding
IMDsv2 Required		User: arn:aws:iam::654654478122:user/students/alemova.1603@gmail.com is not authorized to perform: compute-optimizer:GetEnrollmentStatus on resource: * because no identity-based policy allows the compute-optimizer:GetEnrollmentStatus action
Operator		Retry
Details Status and alarms Monitoring Security Networking Storage Tags	Monitoring disabled	Auto Scaling Group name
Instance details	AMI ID ami-0c1fe7532b5494dc14	Platform details Linux/UNIX
AMI name al2023-ami-2023.10.20260202.2-kernel-6.1-x86_64	Allowed image	Termination protection Disabled

IP publica de la EC2

Instance summary for i-04c3e70b7449f9f90 (AlejandroMV-web-server)

Public IPv4 address 44.192.122.146 open address	Private IPv4 addresses 10.0.1.11
Instance state Running	Public DNS

Ejemplo de conexión a la EC2

```
[ec2-user@ip-10-0-1-11:~]$/exit  
logout  
Connection to 44.192.122.146 closed.  
C:\Users\Alejandro Montoya V\Downloads>ssh -i "AlejandroMV.pem" ec2-user@44.192.122.146  
Amazon Linux 2023  
https://aws.amazon.com/linux/amazon-linux-2023  
Last login: Fri Feb 13 00:37:06 2026 from 181.58.39.194  
[ec2-user@ip-10-0-1-11 ~]$
```

3. Creación y acoplamiento de EBS

Successfully created volume vol-0a78eb5cc708d08d8.

Name	Volume ID	Type	Size	IOPS	Throughput
vol-017e05a4ee0930a70	gp3	3 GiB	3000	125	
vol-0020523f95343d03a	gp3	8 GiB	3000	125	
vol-0029ef23246a8a01c	gp3	8 GiB	3000	125	
vol-07576f03e6594d4d3	gp3	8 GiB	3000	125	
vol-08c46447f6fd5e41e	gp3	8 GiB	3000	125	
vol-0c13f3e1dac3ef2a0	gp3	8 GiB	3000	125	
AlejandroMV-EBS	vol-0a78eb5cc708d08d8	gp3	3 GiB	3000	125
vol-0c4cd96fd8179be74	gp3	8 GiB	3000	125	
vol-0278a33aae907763d	gp3	8 GiB	3000	125	

Formateamos el disco y lo montamos en Alejo

```
[ec2-user@ip-10-0-1-11 /]$ sudo mkfs -t xfs /dev/nvme0n1
meta-data=/dev/nvme0n1          isize=512    agcount=8, agsize=98304 blks
                                =                      sectsz=512  attr=2, projid32bit=1
                                =                      crc=1      finobt=1, sparse=1, rmapbt=0
                                =                      reflink=1 bigtime=1 inobtcount=1 nrext64=0
                                =                      exchange=0
data     =                      bsize=4096   blocks=786432, imaxpct=25
        =                      sunit=1     swidth=1 blks
naming   =version 2           bsize=4096   ascii-ci=0, ftype=1, parent=0
log      =internal log         bsize=4096   blocks=16384, version=2
        =                      sectsz=512  sunit=1 blks, lazy-count=1
realtime =none                extsz=4096   blocks=0, rtextents=0
[ec2-user@ip-10-0-1-11 /]$ sudo mount /dev/sdb /Alejo
[ec2-user@ip-10-0-1-11 /]$ lsblk
NAME      MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
nvme0n1   259:0    0   8G  0 disk
└─nvme0n1p1 259:1    0   8G  0 part /
└─nvme0n1p127 259:2    0   1M  0 part
└─nvme0n1p128 259:3    0 10M  0 part /boot/efi
nvme0n1   259:4    0   3G  0 disk /Alejo
[ec2-user@ip-10-0-1-11 /]$ |
```

Details	Status and alarms	Monitoring	Security	Networking	Storage	Tags																																
▼ Root device details																																						
Root device name /dev/xvda	Root device type EBS	EBS optimization enabled																																				
▼ Block devices																																						
<table border="1"><thead><tr><th>Filter block devices</th><th><</th><th>1</th><th>></th><th>⊗</th></tr><tr><th>Volume ID</th><th>Device name</th><th>Volume size (GiB)</th><th>Volume State</th><th>Attachment status</th><th>EBS card index</th><th>Attachment time</th><th>Encrypted</th><th>KMS key ID</th></tr></thead><tbody><tr><td>vol-07576f03e6594d4d3</td><td>/dev/xvda</td><td>8</td><td>● In-use</td><td>● Attached</td><td>0</td><td>2026/02/12 19:34 GMT-5</td><td>No</td><td>-</td></tr><tr><td>vol-0a78eb5cc708d08d8</td><td>/dev/sdb</td><td>3</td><td>● In-use</td><td>● Attached</td><td>0</td><td>2026/02/12 19:39 GMT-5</td><td>No</td><td>-</td></tr></tbody></table>							Filter block devices	<	1	>	⊗	Volume ID	Device name	Volume size (GiB)	Volume State	Attachment status	EBS card index	Attachment time	Encrypted	KMS key ID	vol-07576f03e6594d4d3	/dev/xvda	8	● In-use	● Attached	0	2026/02/12 19:34 GMT-5	No	-	vol-0a78eb5cc708d08d8	/dev/sdb	3	● In-use	● Attached	0	2026/02/12 19:39 GMT-5	No	-
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4. Archivo creado y subido a S3

The screenshot shows the 'Upload: status' page in the AWS S3 console. At the top, it says 'Succeeded' with '1 file, 0 B (0%)'. Below that, the 'Files and folders' tab is selected, showing a table with one item: 'alejo.txt' (text/plain, 0 B, Succeeded). There is also a 'Configuration' tab.

The screenshot shows the 'Objects' page in the AWS S3 console. It lists one object: 'alejo.txt' (txt, 0 B, Standard storage class). The file was uploaded on February 12, 2026, at 19:53:26 (UTC-05:00).

Finalmente



[LOAD TEST](#) [RDS](#)

Meta-Data	Value
InstanceId	i-04c3e70b7449f9f90
Availability Zone	us-east-1a

Current CPU Load: **90%**

(Le dí a load test y se subió la carga de CPU)