

## Informe de Práctica: Gestión de Recursos en AWS

**Objetivo:** Aprender la administración básica de almacenamiento de objetos con Amazon S3 y la supervisión de instancias en Amazon EC2.

### 1. Gestión de Almacenamiento con Amazon S3

En esta fase se trabajó con el servicio de almacenamiento en la nube para gestionar "Buckets" (contenedores de datos).

- **Creación de un Bucket:** Se creó exitosamente un nuevo bucket denominado **julianparra2026** en la región de **US East (Ohio) us-east-2**.
- **Carga de Objetos (Upload):** Se procedió a subir archivos al bucket creado. En la práctica se cargó un archivo de imagen (formato JPEG) de aproximadamente **80.4 KB**.
- **Eliminación de Recursos:** Como parte del ciclo de vida de administración, se realizó el proceso de eliminación del bucket para evitar costos innecesarios, confirmando la acción mediante el ingreso del nombre del recurso.

### Gestión de Almacenamiento con Amazon S3

The screenshot shows the AWS S3 buckets page. At the top, there is a green success message: "Successfully created bucket 'julianparra2026'. To upload files and folders, or to configure additional bucket settings, choose View details." Below this, there are two tabs: "General purpose buckets" (selected) and "Directory buckets". The main table lists two buckets: "aws-s3-cargadelaboratorio-betek" (Region: US East (N. Virginia) us-east-1, Creation date: February 2, 2026, 12:42:02 (UTC-05:00)) and "julianparra2026" (Region: US East (Ohio) us-east-2, Creation date: February 2, 2026, 12:47:31 (UTC-05:00)). On the right side, there are three cards: "Account snapshot" (Updated daily), "External access summary" (Updated daily), and "Storage Lens provides visibility into storage usage and activity trends". The bottom of the screen shows the Windows taskbar with various pinned icons like CloudShell, Feedback, Console Mobile App, and a search bar.

### Carga de Objetos (Upload):

The screenshot shows the AWS S3 console interface. At the top, it says "Upload objects - S3 bucket julianparra2026". Below that, the URL is "us-east-2.console.aws.amazon.com/s3/upload/julianparra2026?region=us-east-2". The main area is titled "Upload" and contains a "Drag and drop files and folders you want to upload here, or choose Add files or Add folder." button. Below this is a table titled "Files and folders (1 total, 80.4 KB)". The table lists one file: "WhatsApp Image 2026-01-29 at 11.19.02 A..." with a size of 80.4 KB. At the bottom, there are "Remove", "Add files", and "Add folder" buttons. The navigation bar shows "Amazon S3 > Buckets > julianparra2026 > Upload". The status bar at the bottom right shows "1:17 p.m. 2/02/2026".

## Listado de Buckets:

The screenshot shows the AWS S3 console interface. At the top, it says "S3 buckets | S3 | us-east-2". Below that, the URL is "us-east-2.console.aws.amazon.com/s3/buckets?region=us-east-2". The main area is titled "General purpose buckets (1/2)" and shows two buckets: "aws-s3-carguelaboratorio-bucket" (US East (N. Virginia) us-east-1) and "julianparra2026" (US East (Ohio) us-east-2). There are buttons for "Copy ARN", "Empty", "Delete", and "Create bucket". To the right, there are sections for "Account snapshot" (updated daily) and "External access summary" (updated daily). The navigation bar shows "Amazon S3 > Buckets". The status bar at the bottom right shows "1:17 p.m. 2/02/2026".

## Eliminación de Recursos:

The screenshot shows the AWS S3 console with the URL [us-east-2.console.aws.amazon.com/s3/bucket/julianparra2026/delete?region=us-east-2](https://us-east-2.console.aws.amazon.com/s3/bucket/julianparra2026/delete?region=us-east-2). The page title is "Delete bucket". A warning box contains:

- Deleting a bucket cannot be undone.
- Bucket names are unique. If you delete a bucket, another AWS user can use the name.
- If this bucket is used with a Multi-Region Access Point in an external account, initiate failover before deleting the bucket.
- If this bucket is used with an access point in an external account, the requests made through those access points will fail after you delete this bucket.

A "Learn more" link is present. Below the warning, a text input field says "Delete bucket \"julianparra2026\"?" with the value "julianparra2026". Buttons for "Cancel" and "Delete bucket" are at the bottom. The browser status bar shows "CloudShell Feedback Console Mobile App".

## Supervisión de Computación con Amazon EC2

- Estado de Instancias y Recursos:

The screenshot shows the AWS EC2 console with the URL [us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#home](https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#home). The left sidebar shows "EC2" and "Instances" selected. The main area has a "Resources" card with sections for Instances (running), Auto Scaling Groups, Capacity Reservations, Dedicated Hosts, Elastic IPs, Instances, Key pairs, Load balancers, Placement groups, Security groups, Snapshots, and Volumes. Most items show an "API Error" status. A "Launch instance" button is at the bottom. To the right is an "Account attributes" card with a message about an error and a "Diagnose with Amazon Q" button. A "Service health" card is also visible. The browser status bar shows "CloudShell Feedback Console Mobile App".

## **Administración de Volúmenes EBS (Elastic Block Store)**

Como complemento a la gestión de servidores, se realizó una inspección detallada de las unidades de almacenamiento de bloques asociadas a la cuenta en la región de N. Virginia.

- **Inventario de Volúmenes:** Se identificaron **dos volúmenes activos** de tipo **gp3** (General Purpose SSD):
  - Un volumen principal de **8 GiB**.
  - Un volumen adicional de **1 GiB**.
- **Análisis Detallado del Volumen:** Se inspeccionó el volumen de 1 GiB (vol-09163154e65a61803), verificando que se encuentra en estado "**En uso**" y ubicado en la zona de disponibilidad **us-east-1c**.
- **Rendimiento y Salud:** El recurso mostró un rendimiento de **3000 IOPS** y un valor de transferencia de **125 MB/s**, con una comprobación de estado exitosa ("Aceptar").
- **Seguridad y Cifrado:** Se confirmó que el volumen cuenta con **cifrado activado** mediante el servicio **AWS KMS**, garantizando la protección de los datos en reposo.

Inventario de Volúmenes:

The screenshot displays two identical AWS CloudWatch Metrics dashboards side-by-side. Each dashboard is titled "Lambda Metrics" and features a single metric named "Function Errors". The metric is visualized using a line chart with three distinct data series, each represented by a different color: blue, orange, and green. The x-axis represents time, and the y-axis represents the number of errors. The legend indicates that the blue line corresponds to "Function A", the orange line to "Function B", and the green line to "Function C". The chart shows varying error rates over time, with Function A generally having the highest error count.

## Análisis Detallado del Volumen:

The screenshot shows the AWS EC2 Volume Details page for volume **vol-09163154e65a61803**. The volume is 1 GiB gp3 type, created on Mon Feb 02 2026 11:02:53 GMT-0500 (hora estándar de Colombia). It has 3000 IOPS and a performance score of 125. The status is **En uso** (In use) and it is associated with multiple instances. The volume was restored from a snapshot taken on Feb 02 2026 at 11:02:53. The volume is managed by the user and is located in zone **use1-az4 (us-east-1c)**.

## Seguridad y Cifrado:

The screenshot shows the AWS EC2 Volume Details page for volume **vol-09163154e65a61803**. The volume uses KMS encryption with key ID **23b1661e-e76c-47ab-9faa-6364fa32a808**. The ARN of the KMS key is **arn:aws:kms:us-east-1:65465478122:key/23b1661e-e76c-47ab-9faa-6364fa32a808**. The volume is encrypted using the **Cifrado** cipher.

## Volúmenes:

Volumenes | EC2 | us-east-1    (87) WhatsApp

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Volumes:

Tabeas de Conversio... Conversión de Meg... Nueva pestaña Posasistente - Zoom Smallpdf.com - Una... Datos nutricionales... MuscleWiki SALVAVIDAS Todos los marcadores

aws Buscar ID de cuenta: 6546-5447-8122 juliprobayo21@gmail.com Estados Unidos (Norte de Virginia)

EC2 Volúmenes (2) Información Last updated 6 minutes ago Papelera de reciclaje Acciones Crear volumen

Conjuntos de filtros guardados Elegir conjunto de filtros Buscar

| Creada                 | Zona de disponibili... | Estado del ... | Estado de la alarma | Recursos adjuntos           |
|------------------------|------------------------|----------------|---------------------|-----------------------------|
| 2026/02/02 10:55 GMT-5 | use1-az4 (us-east-1c)  | En uso         |                     | I-03b72938612fd4697 (La...) |
| 2026/02/02 11:02 GMT-5 | use1-az4 (us-east-1c)  | En uso         |                     | I-03b72938612fd4697 (La...) |

Tolerancia a fallos para todos los volúmenes de esta región

Resumen de instantáneas Última actualización realizada el Mon, Feb 02, 2026, 01:51:15 PM (GMT-05:00)

Volúmenes con copia de seguridad reciente / Cantidad total de volúmenes

Política predeterminada de Data Lifecycle Manager para el estado de las instantáneas de EBS

No se pudo encontrar el estado de la política predeterminada

CloudShell Comentarios Aplicación móvil de la consola © 2026, Amazon Web Services, Inc. o sus filiales. Privacidad Términos Preferencias de cookies

Escribe aquí para buscar. 13°C 1:58 p.m. 2/02/2026

The screenshot shows the AWS EC2 Volumes page. It displays two volumes created on February 2, 2026, at 10:55 GMT-5 and 11:02 GMT-5, both located in the us-east-1 region. Both volumes are currently in use. The page also shows a summary of snapshots and the default Data Lifecycle Manager policy for EBS volumes. The sidebar on the left provides links to various EC2 services like Panel, Instances, and Capacity Manager.