

Caso Práctico 3: Aplicación inventario en 2 EC2 (con ALB) y Base de datos MySQL en RDS.

Captura 1: - EC2 No Access -

The screenshot shows the AWS EC2 Instances page with one instance running. The instance details page includes fields for Instance ID, Public IPv4 address, Private IP DNS name, Instance type (t2.micro), VPC ID, and Subnet ID. A browser window is open to an 'Inventory System' page, which displays a message: 'Unable to retrieve AWS credentials. Please assign an IAM Role to this instance.'

Captura 2: - EC2 LabRole -

The screenshot shows the AWS EC2 Instances page with the same instance running. The instance details page now displays different network information. A browser window is open to an 'Inventory System' page, which displays a message: 'Please configure Settings to connect to database.'

Captura 3: - DB Settings ok -

Instances (1/1) [Info](#)

Find instance by attribute or tag (case-sensitive)

Instance state = running [X](#) Clear filters

Actions ▾ Launch Instances ▾

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public
EC2 - Caso Pra...	i-087e385b4bec175a9	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-3

Instance: i-087e385b4bec175a9 (EC2 - Caso Practico 3)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID i-087e385b4bec175a9 (EC2 - Caso Practico 3)	Public IPv4 address 34.238.240.114 open address	Private IPv4 addresses 172.31.91.8
IPv6 address -	Instance state Running	
Hostname type IP name: ip-172-31-91-8.ec2.internal	Private IP DNS name (IPv4 or ip-172-31-91-8.ec2.internal)	
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	
Auto-assigned IP address 34.238.240.114 [Public IP]	VPC ID vpc-017a16af33a3941bc	
IAM Role LabRole	Subnet ID subnet-0f271ddb85bd4cfa	

+ Add Inventory

This page was generated by instance i-087e385b4bec175a9 in Availability Zone us-east-1b.

Captura 4: - DB Update -

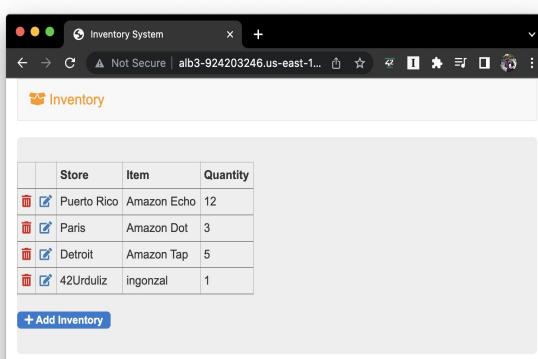
Inventory

	Store	Item	Quantity
 	Puerto Rico	Amazon Echo	12
 	Paris	Amazon Dot	3
 	Detroit	Amazon Tap	5
 	42Urduliz	ingonzal	1

+ Add Inventory

This page was generated by instance i-087e385b4bec175a9 in Availability Zone us-east-1b.

Captura 5: - ALB URL -



The screenshot shows the AWS CloudWatch Metrics Insights interface. A search bar at the top contains the query: `Inventory`. Below the search bar is a table with columns: Name, ARN, DNS name, State, VPC ID, Availability Zones, Type, and Created At. One row is visible: **ALB3**, ARN: arn:aws:elasticloadbalancing:us-east-1:753893822023:loadbalancer/app/ALB3/36b694ea3af7cf06, DNS name: ALB3-924203246.us-east-1.elb.amazonaws.com, State: Active, VPC ID: vpc-017a16af33a3941bc, Availability Zones: us-east-1a, us-east-1b, Type: application, Created At: October 25, 2022 at 07:39:05 UTC+2.

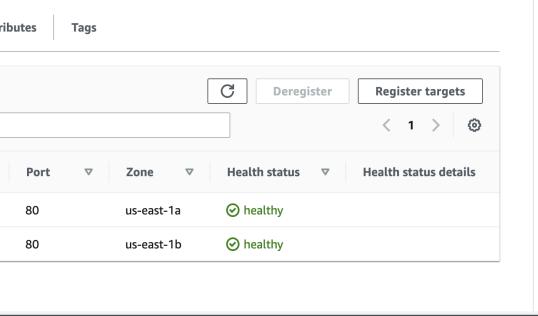
The main pane displays the configuration for Load balancer **ALB3**. It includes tabs for Description, Listeners, Monitoring, Integrated services, and Tags. Under **Basic Configuration**, the following details are shown:

- Name: ALB3
- ARN: arn:aws:elasticloadbalancing:us-east-1:753893822023:loadbalancer/app/ALB3/36b694ea3af7cf06
- DNS name: ALB3-924203246.us-east-1.elb.amazonaws.com (A Record)
- State: Active
- Type: application
- Scheme: internet-facing
- IP address type: ipv4
- VPC: vpc-017a16af33a3941bc
- Availability Zones:
 - subnet-0f66dfe546d0a1537c - us-east-1a (IPv4 address: Assigned by AWS)
 - subnet-0f271ddb85bd4cfa1 - us-east-1b (IPv4 address: Assigned by AWS)
- Hosted zone: Z35SXDOTRQ7X7K
- Creation time: October 25, 2022 at 7:39:05 UTC+2

Security section shows Security groups: sg-0b2207e54d63407b9, SGEC2 - Caso practico 3 (Allow HTTP access).

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Captura 6: - Target Group -



The screenshot shows the AWS Lambda function configuration interface. The top navigation bar includes IAM, EC2, VPC, and RDS. A green banner at the top states: "2 targets registered successfully to Target3".

The main pane shows the **Target groups** section. It lists one target group: **Target3**. The table columns are: Name, ARN, Port, Protocol, Target type, Load balancer, and VPC ID. The entry for **Target3** is: Name: Target3, ARN: arn:aws:elasticloadbalancing:us-east-1:753893822023:targetgroup/Target3, Port: 80, Protocol: HTTP, Target type: Instance, Load balancer: ALB3, VPC ID: vpc-017a16af33a3941bc.

A modal window titled "Target group: Target3" is open, showing the **Targets** tab. It lists two registered targets: **i-021afac332670f75d** and **i-087e385b4bec175a9**. Both targets are healthy and assigned to port 80 in zones us-east-1a and us-east-1b respectively.

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