

Workshop studio Jaison Labrador 28 – 08 - 2024

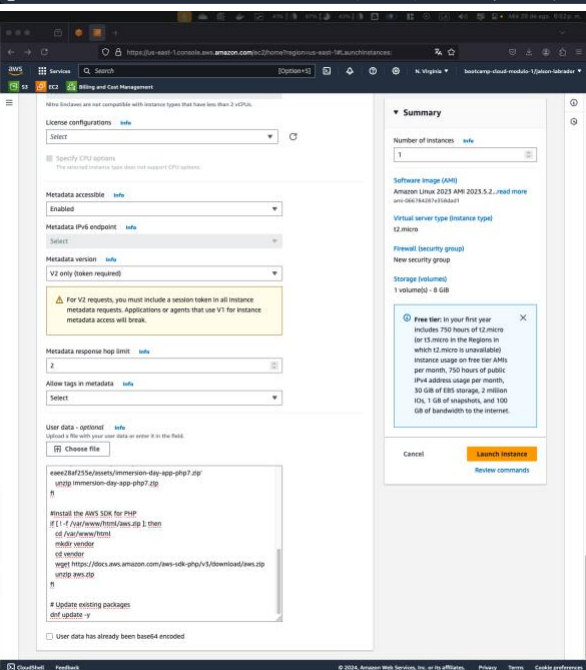
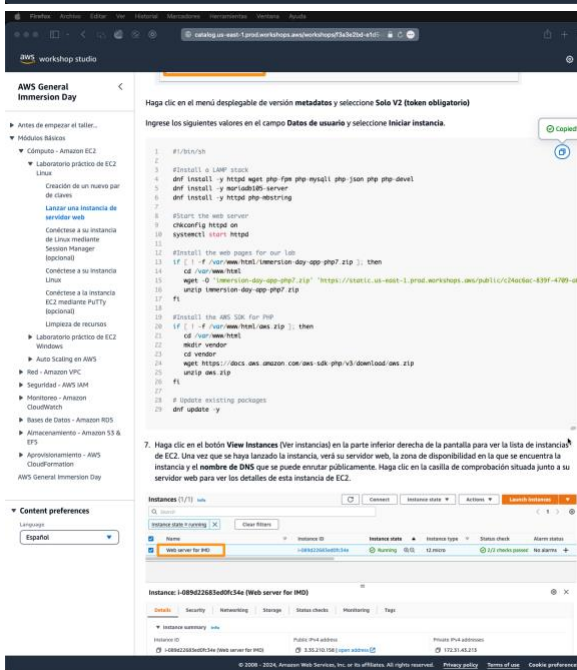
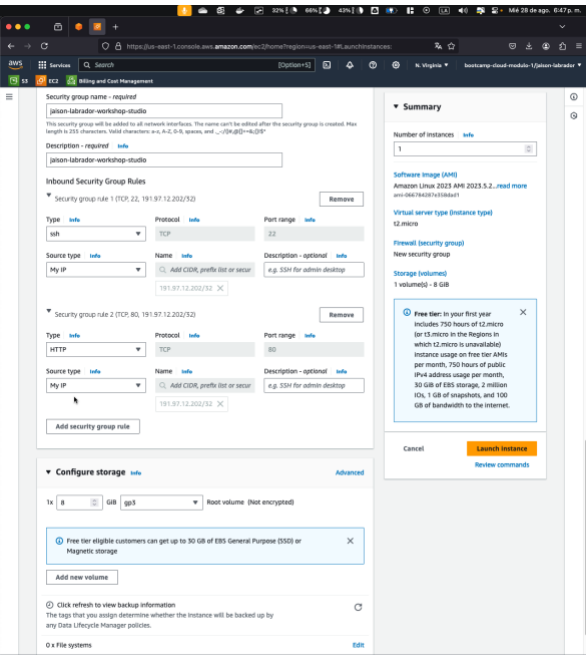
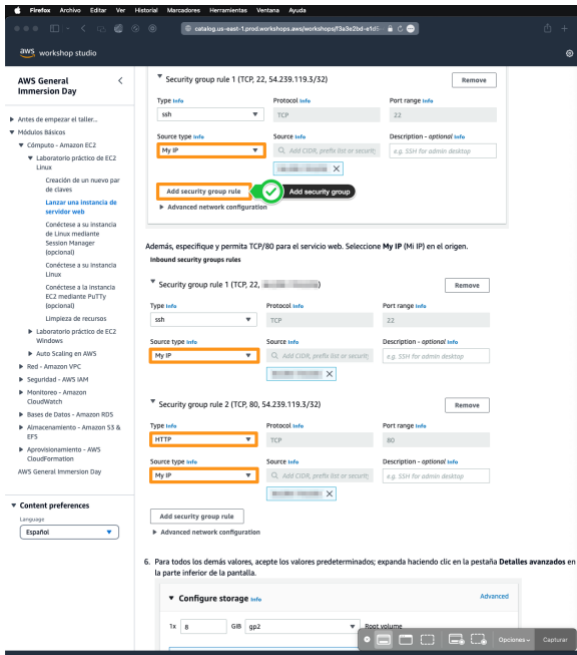
The image displays four screenshots from the AWS Workshop Studio interface, illustrating the steps to create an EC2 instance.

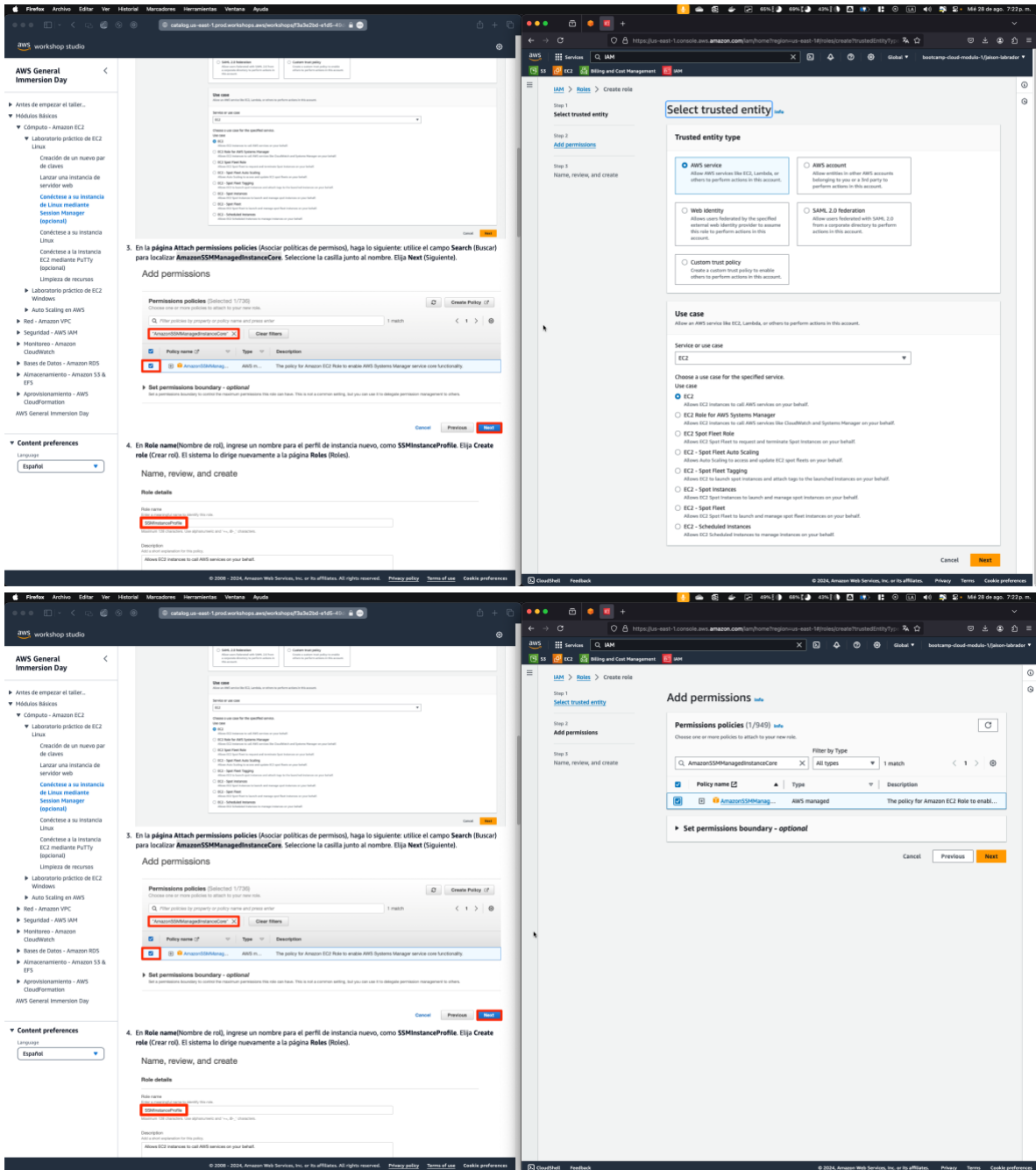
Top Left Screenshot: Shows the 'Key pair' creation step. The 'Name' field is set to 'AWS-ImmersionDay'. The 'Key pair type' is 'RSA'. The 'Private key file format' is 'pem'. The 'Tags - optional' section is visible.

Top Right Screenshot: Shows the 'Create pair of keys' step. The 'Name' field is set to 'Jaison Labrador Workshop studio'. The 'Tipo de par de claves' is 'RSA'. The 'Formato de archivo de clave privada' is 'pem'. The 'Etiquetas, opcionales' section is visible.

Bottom Left Screenshot: Shows the 'Launch an instance' step. The 'Name and tags' section is visible. The 'Application and OS Images (Amazon Machine Image)' section shows the selection of 'Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type'. The 'Instance type' section shows the selection of 't2.micro'.

Bottom Right Screenshot: Shows the 'Launch an instance' step. The 'Name and tags' section is visible. The 'Application and OS Images (Amazon Machine Image)' section shows the selection of 'Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type'. The 'Instance type' section shows the selection of 't2.micro'. The 'Launch instance' button is highlighted.





The screenshot displays the AWS IAM console interface for creating a new role. The top navigation bar shows the IAM service and the 'Roles' section. The main content area is titled 'Name, review, and create' and is divided into three steps: Step 1 (selected), Step 2, and Step 3.

Step 1: Select trusted entities

Role details

- Role name:** A text input field containing 'EC2InstanceAdministrator'.
- Description:** A text area containing 'Allow EC2 instances to call AWS services on your behalf.'
- Maximum 1000 users:** A note indicating the maximum number of users that can be added to the role.

Step 1: Select trusted entities

Trust policy

```

1: {
2:   "Version": "2012-10-17",
3:   "Statement": [
4:     {
5:       "Effect": "Allow",
6:       "Action":
7:         "sts:AssumeRole",
8:       "Principal": {
9:         "Service": [
10:          "ec2.amazonaws.com"
11:        ]
12:      }
13:    ]
14:  }
15: }
16: }
```

Step 2: Add permissions

Permissions policy summary

| Policy name | Type | Attached as |
|------------------------------|-------------|--------------------|
| AmazonSSMManagedInstanceCore | AWS managed | Permissions policy |

Step 3: Add tags

Add tags (optional)

File Edit View Window Help

Local Terminal

jaisonglabrador@MacBook-Pro-de-Jaison key pair % ls
Jaisong-Labrador-Workshop-studio.pem
jaisonglabrador@MacBook-Pro-de-Jaison key pair % ssh -t "Jaisong-Labrador-Workshop-studio.pem" ec2-user@ec2-107-22-90-118.compute-1.amazonaws.com

Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Thu Aug 29 08:06:24 2024 from 191.97.12.202
[ec2-user@ip-172-31-84-127 ~]\$

EC2 Dashboard
EC2 Global View
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Type Requests
Scaling Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
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 Scaling
Auto Scaling Groups
Settings

https://aws-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instances:v3:cases-tags:tr...

Instances (1/10) info

Find instance by attribute or tag (case-sensitive)

Instance Name Instance ID Instance state Instance type Status check

☐

Camilo Web server for PhD

i-065a7b8851a5b75

Terminated

12.micro

2/2 checks passed

☐

Sevidor Web Luis Lemus

i-046d057b66356276

Running

12.micro

2/2 checks passed

☒

Jaisong-Labrador-Workshop-Studio

i-046b97aa2f398660

Running

12.micro

2/2 checks passed

☐

Miguel web server for PhD

i-056c40b6a0d0d

Running

12.micro

2/2 checks passed

☐

WebServerMiguelAcuna

i-03004a0c308f2443a

Running

12.micro

2/2 checks passed

☐

sevidor web- luis jeronimo bualdi

i-019476310a689116

Running

12.micro

2/2 checks passed

☐

Sevidor Web Jhoan Guerra

i-0405946210790130

Running

12.micro

2/2 checks passed

I-046b97aa2f398660 (Jaisong-Labrador-Workshop-Studio)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary info

Instance ID i-046b97aa2f398660 (Jaisong-Labrador-Workshop-Studio)

Public IPv4 address 107.22.90.118 open address

Private IPv4 address 172.31.84.127

IPv4 address -

Instance state Running

Public IPv4 DNS ec2-107-22-90-118.compute-1.amazonaws.com open address

Hostname type IP name ip-172-31-84-127.ec2.internal

Private IP DNS name (IPv4 only) ip-172-31-84-127.ec2.internal

Instance type 12.micro

Answer private resource DNS name IPv4 (A)

Auto-assigned IP address 107.22.90.118 (Public IP)

Private IP DNS name (IPv4 only) ip-172-31-84-127.ec2.internal

VPC ID vpc-04b9b7a7cf602434

AWS Compute Optimizer Finding User: aws-ec2:590183865324:assumed-role/AWSReservedSSO_bootstrap-cloud-module-1-0-823026028460370:jaisong-labrador is not authorized to perform: compute-optimizer:GetDefinition reStatus on resource * because no identity-based policy allows the compute-optimizer:GetDefinitionStatus action Retry

Auto Scaling Group name -

IAM Role subten-0289f4ab56243610f

Instance ARN arn:aws:ec2:us-east-1:590183865324:instance/i-046b97aa2f398660

File Edit View Window Help

Local Terminal

jaisonglabrador@MacBook-Pro-de-Jaison key pair % ls
Jaisong-Labrador-Workshop-studio.pem
jaisonglabrador@MacBook-Pro-de-Jaison key pair % ssh -t "Jaisong-Labrador-Workshop-studio.pem" ec2-user@ec2-107-22-90-118.compute-1.amazonaws.com

Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Thu Aug 29 08:06:24 2024 from 191.97.12.202
[ec2-user@ip-172-31-84-127 ~]\$ df -h
Filesystem Size Used Avail Use% Mounted on
devtmpfs 4.0M 0 4.0M 0% /dev
tmpfs 475M 0 475M 0% /dev/shm
tmpfs 194M 464K 194M 1% /run
/dev/xvda1 8.0G 2.1G 6.0G 26% /
tmpfs 475M 0 475M 0% /tmp
/dev/xvda128 10M 1.3M 8.7M 13% /boot/efi
tmpfs 95M 0 95M 0% /run/user/1000
[ec2-user@ip-172-31-84-127 ~]\$ cd dev
-bash: cd: dev: No such file or directory
[ec2-user@ip-172-31-84-127 ~]\$ ls -lr
total 0
[ec2-user@ip-172-31-84-127 ~]\$ date
Thu Aug 29 08:32:06 UTC 2024
[ec2-user@ip-172-31-84-127 ~]\$ sudo mkdir Jaisong-Labrador-Workshop-28-ago-24
[ec2-user@ip-172-31-84-127 ~]\$ ls
Jaisong-Labrador-Workshop-28-ago-24
[ec2-user@ip-172-31-84-127 ~]\$ cd Jaisong-Labrador-Workshop-28-ago-24/
[ec2-user@ip-172-31-84-127 Jaisong-Labrador-Workshop-28-ago-24]\$ hostname
ip-172-31-84-127.ec2.internal
[ec2-user@ip-172-31-84-127 Jaisong-Labrador-Workshop-28-ago-24]\$ ip a
1: lo: LOOPBACK,UP,LOWER_UP,mtu 65536,qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host noprefixroute
valid_lft forever preferred_lft forever
2: enx0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001,qdisc fq_codel state UP group default qlen 1000
link/ether 12:c3:db:ff:fa:b5:19a7:64 brd 12:c3:db:ff:ff:ff:ff:ff:ff
altname eni-bd2855e9b712ec5d
altname device-number-0-0
inet 172.31.84.127/20 metric 512 brd 172.31.95.255 scope global dynamic enx0
valid_lft 2982sec preferred_lft 2982sec
inet6 fe80::18c3:dbff:fab5:19a7:64 scope link
valid_lft forever preferred_lft forever
[ec2-user@ip-172-31-84-127 Jaisong-Labrador-Workshop-28-ago-24]\$

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Lifecycle Manager
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Trust Stores
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https://aws-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instances:v3:cases-tags:tr...

Instances (1/10) info

Find instance by attribute or tag (case-sensitive)

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sevidor web- luis jeronimo bualdi

i-019476310a689116

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2/2 checks passed

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Sevidor Web Jhoan Guerra

i-0405946210790130

Running

12.micro

2/2 checks passed

I-046b97aa2f398660 (Jaisong-Labrador-Workshop-Studio)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary info

Instance ID i-046b97aa2f398660 (Jaisong-Labrador-Workshop-Studio)

Public IPv4 address 107.22.90.118 open address

Private IPv4 address 172.31.84.127

IPv4 address -

Instance state Running

Public IPv4 DNS ec2-107-22-90-118.compute-1.amazonaws.com open address

Hostname type IP name ip-172-31-84-127.ec2.internal

Private IP DNS name (IPv4 only) ip-172-31-84-127.ec2.internal

Instance type 12.micro

Answer private resource DNS name IPv4 (A)

Auto-assigned IP address 107.22.90.118 (Public IP)

Private IP DNS name (IPv4 only) ip-172-31-84-127.ec2.internal

VPC ID vpc-04b9b7a7cf602434

AWS Compute Optimizer Finding User: aws-ec2:590183865324:assumed-role/AWSReservedSSO_bootstrap-cloud-module-1-0-823026028460370:jaisong-labrador is not authorized to perform: compute-optimizer:GetDefinition reStatus on resource * because no identity-based policy allows the compute-optimizer:GetDefinitionStatus action Retry

Auto Scaling Group name -

IAM Role subten-0289f4ab56243610f

Instance ARN arn:aws:ec2:us-east-1:590183865324:instance/i-046b97aa2f398660

Terminal

```
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ vi dias.sh
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ sudo vi dias.sh
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ ls
dias.sh
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ bash dias.sh
Day: Lunes
Day: Martes
Day: Miércoles
Day: Jueves
Day: Viernes
Day: Sábado
Day: Domingo
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ sudo vi incremento.sh
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ ls
dias.sh incremento.sh
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ bash incremento.sh
0
1
2
3
4
5
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ sudo vi infoSystem.sh
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ bash infoSystem.sh
Información del sistema:
Nombre del equipo: ip-172-31-84-127.ec2.internal
Sistema operativo: Linux ip-172-31-84-127.ec2.internal 6.1.102-111.182.amzn2023.x86_64 #1 SMP PREEMPT_OY
NAME Tue Aug 13 22:23:09 UTC 2024 x86_64 x86_64 x86_64 GNU/Linux
Fecha y hora actual: Thu Aug 29 00:59:51 UTC 2024
Usuarios conectados: ec2-user pts/0      2024-08-29 00:27 (191.97.12.202)
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ sudo vi copia_seguridad.sh
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ ls
dias.sh incremento.sh infoSystem.sh
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ sudo vi copia_seguridad.sh
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ pem
-bash: pem: command not found
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ pwd
/home/ec2-user/Jaison-Labrador-Workshop-28-ago-24
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ cd ..
[ec2-user@ip-172-31-84-127 ~]$ ls -lr
total 0
drwxr-xr-x. 2 root root 63 Aug 29 01:03 Jaison-Labrador-Workshop-28-ago-24
[ec2-user@ip-172-31-84-127 ~]$ sudo mkdir backups-server
[ec2-user@ip-172-31-84-127 ~]$ ls -lr
total 0
drwxr-xr-x. 2 root root 6 Aug 29 01:04 backups-server
drwxr-xr-x. 2 root root 63 Aug 29 01:03 Jaison-Labrador-Workshop-28-ago-24
[ec2-user@ip-172-31-84-127 ~]$
```

Amazon Web Services

Instances (1/10) info

| Name | Instance ID | Instance state | Instance type | Status check |
|-----------------------------------|---------------------|----------------|---------------|-------------------|
| Jaison-Labrador-Workshop-Studio | i-0ab97aa2f3f98660 | Running | t2.micro | 2/2 checks passed |
| Camilo Web server for IMD | i-0d5a71a85c1a1b75 | Terminated | t2.micro | - |
| Servidor Web Luis Lemus | i-0a4a807f6a635a276 | Running | t2.micro | 2/2 checks passed |
| Miguel web server for IMD | i-05eac0fb6a6d8d6d | Terminated | t2.micro | - |
| WebServerMiguelAcuna | i-030a4a0c30f2443a | Running | t2.micro | 2/2 checks passed |
| servidor web- Luis jeronimo bafel | i-01947631ca4889116 | Running | t2.micro | 2/2 checks passed |
| Servidor Web Jhoan Guerra | i-0a05946218796130 | Running | t2.micro | 2/2 checks passed |

I-0ab97aa2f3f98660 (Jaison-Labrador-Workshop-Studio)

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

Instance summary info

| | | | | | |
|----------------------------------|--|---------------------------------|--|-------------------------------|--|
| Instance ID | i-0ab97aa2f3f98660 (Jaison-Labrador-Workshop-Studio) | Public IPv4 address | 107.22.90.118 open address | Private IPv4 addresses | 172.31.84.127 |
| IPv4 address | - | Instance state | Running | Public IPv4 DNS | ec2-107-22-90-118.compute-1.amazonaws.com open address |
| Hostname type | IP name: ip-172-31-84-127.ec2.internal | Private IP DNS name (IPv4 only) | ip-172-31-84-127.ec2.internal | Elastic IP addresses | - |
| Answer private resource DNS name | IPv4 (A) | Instance type | t2.micro | AWS Compute Optimizer finding | User: aws-ec2:59018365524:assumed-role/AWSReservedSSO_bootcamp-cloud-module-1_0-8c250a238a02376:jaison-labrador is not authori and to perform: compute-optimizer:GetDefinitionStatus on resource - because no identity-base d policy allows the compute-optimizer:GetDefin mentStatus action |
| Auto-assigned IP address | 107.22.90.118 (Public IP) | VPC ID | vpc-04b9d0e7cf62a430a | Auto Scaling Group name | - |
| Auto Scaling | Auto Scaling Groups | Subnet ID | subnet-020f4a9b36243a10f | Instance ARN | arn:aws:ec2:us-east-1:59018365524:instance/i-0ab97aa2f3f98660 |
| Settings | AMI Role | AMI | ami-aws2-us-east-1-59018365524:instance/i-0ab97aa2f3f98660 | Auto Scaling Group name | - |

```
#!/bin/bash

# Directorio a respaldar
origen="/home/ec2-user/Jaison-Labrador-Workshop-28-ago-24"

# Destino de la copia de seguridad
destino="/home/ec2-user/backups-server"

# Fecha actual para el nombre del archivo
fecha=$(date +%Y-%m-%d)

# Nombre del archivo de respaldo
archivo_respaldo="respaldo_${fecha}.tar.gz"

# Realizar la copia de seguridad
tar -czvf "${destino}/${archivo_respaldo}" "${origen}"

echo "Copia de seguridad completada. Archivo guardado en: ${destino}/${archivo_respaldo}"

:~q[
```

Instances (1/10) info

| Name | Instance ID | Instance state | Instance type | Status check |
|------------------------------------|---------------------|----------------|---------------|-------------------|
| Jaison-Labrador-Workshop-Studio | i-0a8a7aa2f7f398660 | Running | t2.micro | 2/2 checks passed |
| Camilo Web server for IMD | i-0d5a71a85c1a5a75 | Terminated | t2.micro | -- |
| Servidor Web Luis Lemus | i-0a46807f66835a276 | Running | t2.micro | 2/2 checks passed |
| Miguel web server for IMD | i-05e6c07b6e0d8d | Terminated | t2.micro | -- |
| WebServerMiguelAcuna | i-03004a0c30f2443a | Running | t2.micro | 2/2 checks passed |
| servidor web- luis jeronimo bualdi | i-019476310a689116 | Running | t2.micro | 2/2 checks passed |
| Servidor Web Jhoan Guerra | i-0a05946210790130 | Running | t2.micro | 2/2 checks passed |

I-0a8a7aa2f7f398660 (Jaison-Labrador-Workshop-Studio)

Instance summary info

Instance ID

i-0a8a7aa2f7f398660 (Jaison-Labrador-Workshop-Studio)

Public IPv4 address

107.22.90.118 [open address](#)

Private IPv4 address

172.31.84.127

Instance state

Running

Public IPv4 DNS

ec2-107-22-90-118.compute-1.amazonaws.com [open address](#)

Hostname type

Public IPv4 DNS (IPv4 only)

IP name

ip-172-31-84-127.ec2.internal

Private IP DNS name (IPv4 only)

ip-172-31-84-127.ec2.internal

Instance type

t2.micro

Auto-assigned IP address

107.22.90.118 (Public IP)

VPC ID

vpc-04b9b7e7cf602433a

Subnet ID

subnet-c289f4ab/56243610f

Instance ARN

arn:aws:ec2:us-east-1:590183865324:instance/i-0a8a7aa2f7f398660

AMI Role

Required

Auto Scaling Group name

EC2 Dashboard

EC2 Global View

Events

Console-to-Code Preview

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Instance Types

Launch Templates

Type Requests

Saving Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMI Catalog

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 Scaling

Auto Scaling Groups

Settings

```
[ec2-user@ip-172-31-84-127 Jaison-Labrador-Workshop-28-ago-24]$ sudo bash backup_server.sh
tar: Removing leading '/' from member names
/home/ec2-user/Jaison-Labrador-Workshop-28-ago-24/
/home/ec2-user/Jaison-Labrador-Workshop-28-ago-24/dias.sh
/home/ec2-user/Jaison-Labrador-Workshop-28-ago-24/incremento.sh
/home/ec2-user/Jaison-Labrador-Workshop-28-ago-24/info5yteen.sh
/home/ec2-user/Jaison-Labrador-Workshop-28-ago-24/backup_server.sh
Copia de seguridad completada. Archivo guardado en: /home/ec2-user/backups-server/respaldo_2024-08-29.tar.gz
[ec2-user@ip-172-31-84-127 ~]$ cd ..
[ec2-user@ip-172-31-84-127 ~]$ ls -lr
total 0
drwxr-xr-x. 2 root root 40 Aug 29 01:10 backups-server
drwxr-xr-x. 2 root root 87 Aug 29 01:07 Jaison-Labrador-Workshop-28-ago-24
[ec2-user@ip-172-31-84-127 ~]$ cd backups-server/
[ec2-user@ip-172-31-84-127 backups-server]$ ls -lr
total 4
-rw-r--r--. 1 root root 734 Aug 29 01:10 respaldo_2024-08-29.tar.gz
[ec2-user@ip-172-31-84-127 backups-server]$
```