42°

Lab - AWS re/Start

Creación de instancias de Amazon EC2

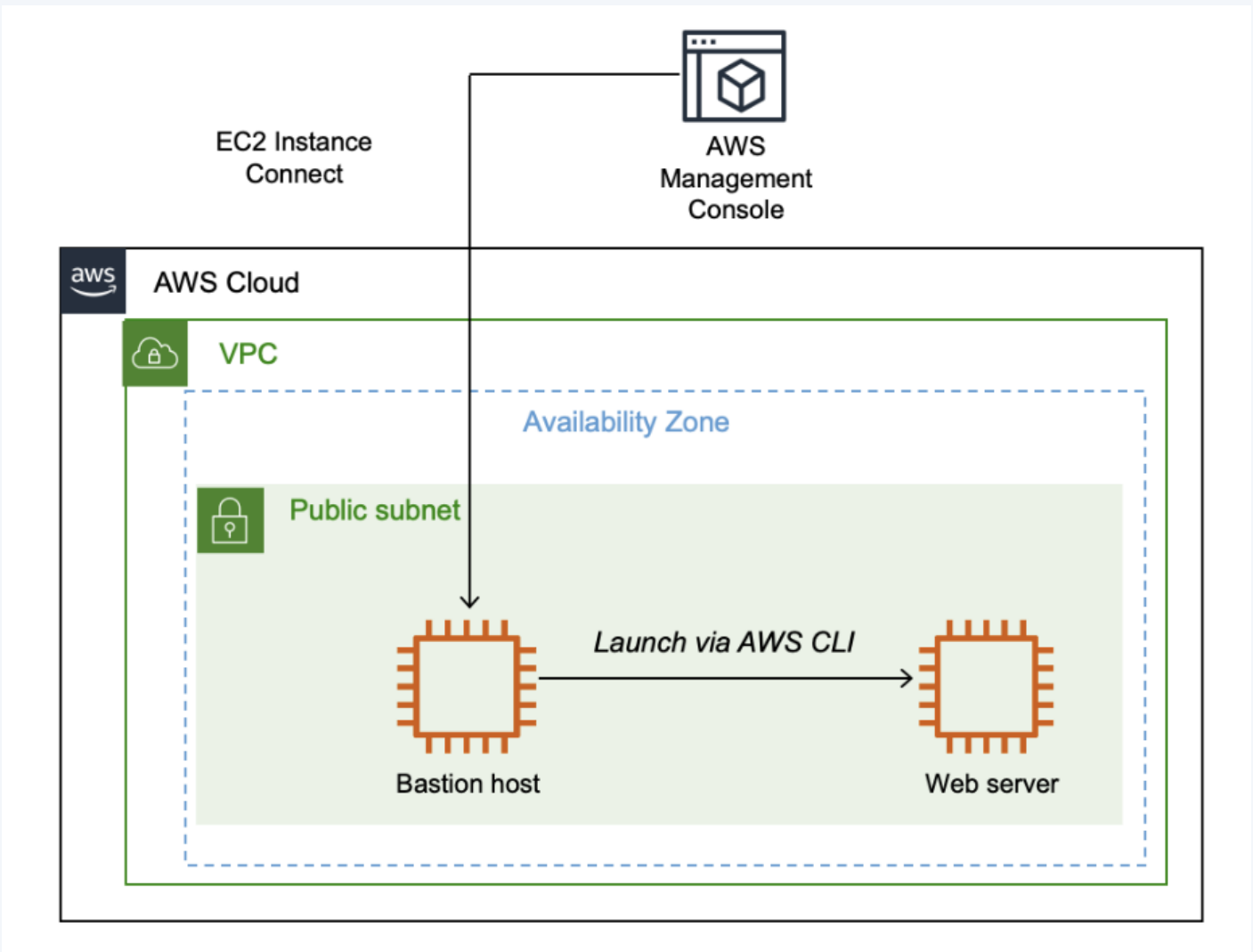
SWIPE

Tarea 01

Interactuando con Amazon EC2

A continuación, se muestra los objetivos del laboratorio:

- Inicie una instancia EC2 mediante la consola de AWS.
- Conéctese a la instancia EC2 mediante EC2 Instance Connect.
- Inicie una instancia EC2 mediante la CLI de AWS.



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Tarea 01

Lo primero, empezamos creando una instancia EC2 en la consola de AWS con el nombre *Bastion Host*.

▼ **Application and OS Images (Amazon Machine Image)** Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

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Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type — Free tier eligible
ami-0895022f3dac85884 (64-bit (x86)) / ami-09ebdd80c5c138f65 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description
Amazon Linux 2 Kernel 5.10 AMI 2.0.20240223.0 x86_64 HVM gp2

Architecture: 64-bit (x86)
AMI ID: ami-0895022f3dac85884 Verified provider

▼ **Instance type** Info | Get advice

Instance type

t3.micro
Family: t3 2 vCPU 1 GiB Memory Current generation: true
On-Demand SUSE base pricing: 0.0104 USD per Hour
On-Demand Windows base pricing: 0.0196 USD per Hour
On-Demand RHEL base pricing: 0.0704 USD per Hour
On-Demand Linux base pricing: 0.0104 USD per Hour

All generations
Compare instance types

Additional costs apply for AMIs with pre-installed software

▼ **Key pair (login)** Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

Proceed without a key pair (Not recommended) — Default value

Create new key pair

VPC - *required* Info

vpc-07afd39380c28a104 (Lab VPC)
10.0.0.0/16

Subnet Info

subnet-0aa9216d1cec95b0d — Public Subnet
VPC: vpc-07afd39380c28a104 Owner: 767397882364
Availability Zone: us-west-2a IP addresses available: 250 CIDR: 10.0.0.0/24)

Create new subnet

Auto-assign public IP Info

Enable

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

(•) Create security group ( ) Select existing security group

Security group name - *required*

Bastion security group

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=&;{}!$*

Description - *required* Info

Permit SSH connections

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0) — Remove

Type Info	Protocol Info	Port range Info	Source type Info	Source Info	Description - *optional* Info
ssh	TCP	22	Anywhere	*Add CIDR, prefix list or security* 0.0.0.0/0	*e.g. SSH for admin desktop*

▼ **Configure storage** Info — Advanced

1x 8 GiB gp2 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

Click refresh to view backup information
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems — Edit

▼ **Advanced details** Info

Domain join directory Info

Select

Create new directory

IAM instance profile Info

Bastion-Role
arn:aws:iam::767397882364:instance-profile/Bastion-Role

Create new IAM profile

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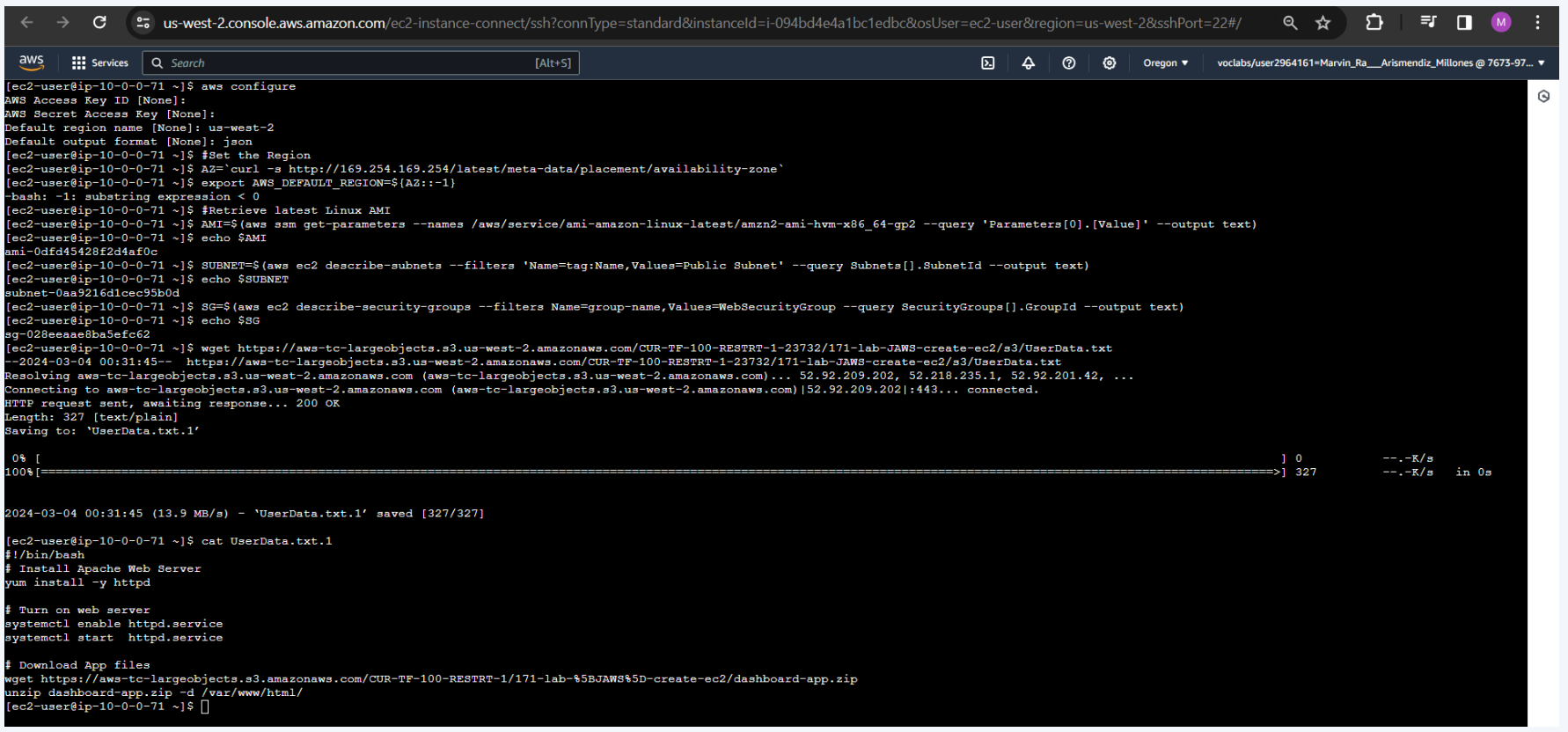
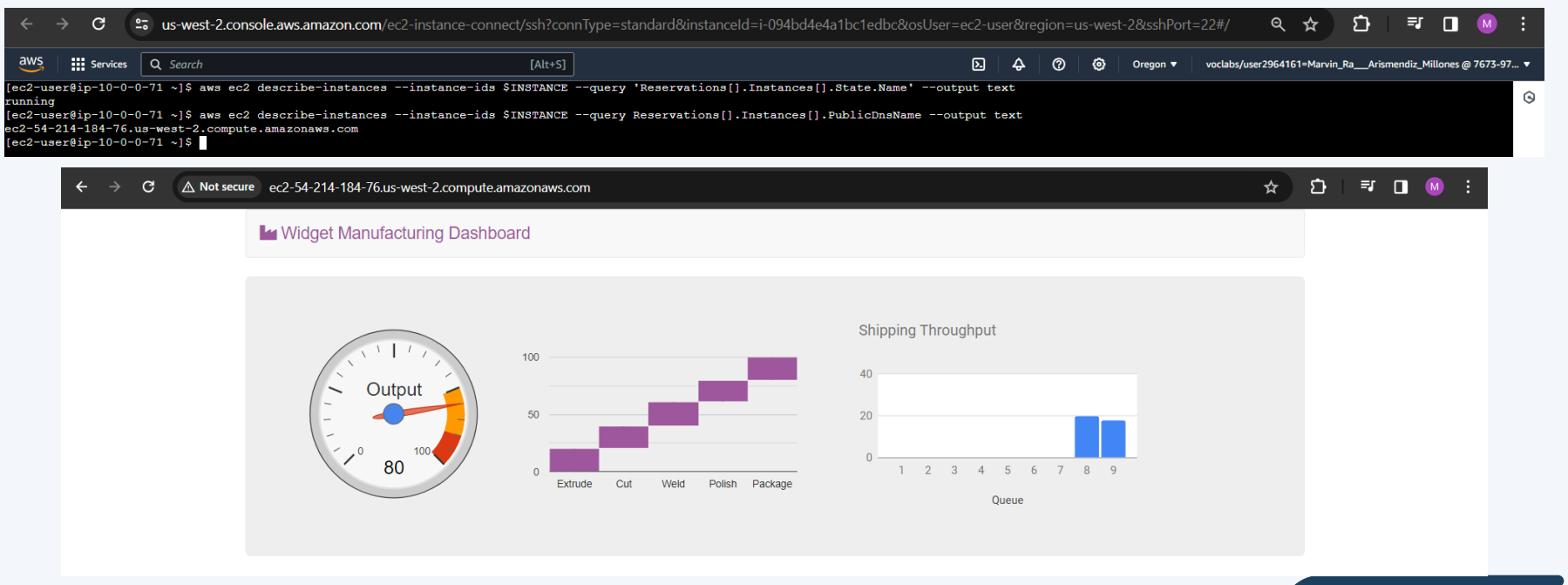
Tarea 01

También podemos lanzar instancias desde la interfaz de línea de comandos:



Y completamos el lanzamiento de la instancia:

Después de unos minutos la instancia ya está corriendo, y podemos verificar el servidor yendo a su dirección IPv4 DNS



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