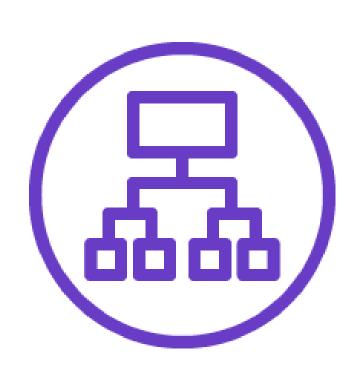


Lab - AWS re/Start Uso de escalado automático en AWS (Linux)





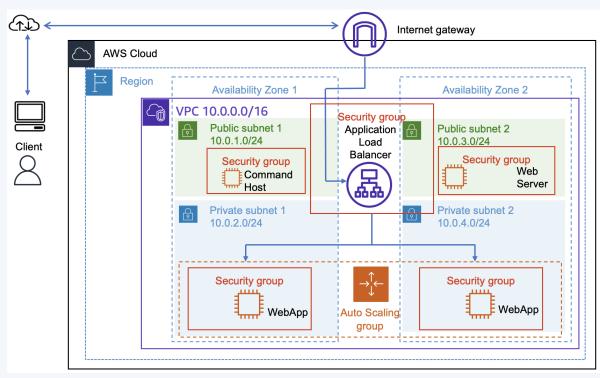




Interactuando con Arquitecturas

Los objetivos son:

- Crear una instancia EC2 mediante un comando de la CLI de AWS.
- Crear una nueva AMI mediante la CLI de AWS.
- Crear una plantilla de lanzamiento de Amazon EC2.
- Cree una configuración de lanzamiento de Amazon EC2 Auto Scaling.
- Configure las políticas de escalado y cree un grupo de Auto Scaling para aumentar y reducir el número de servidores en función de una carga variable.







Empezamos creando la AMI de la instancia *Command Host* desde la CLI de AWS

```
### Company | Co
```

Primero, crearemos una nueva instancia, a continuación se muestra la User Data para esta instancia a crear

Lanzamos la nueva instancia





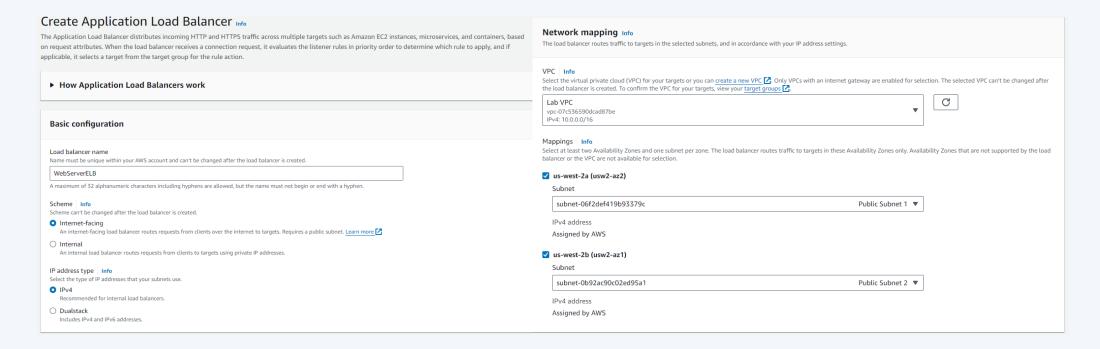
Ahora, veamos esta nueva instancia:



Luego, procedemos a crear una AMI de esta instancia



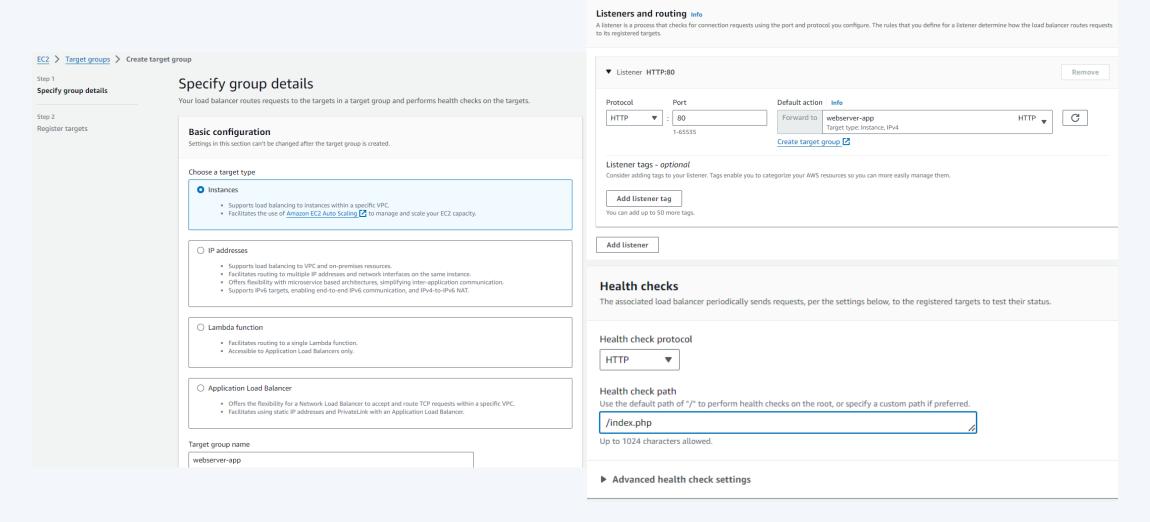
Después de ello, procedemos a crear un ELB:



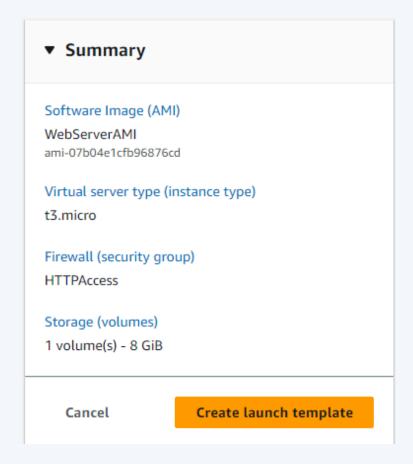




Más de la configuración del ALB (Application Load Balancer)



Luego, procedemos a crear la plantilla de lanzamiento







Luego creamos el ASG (Auto Scaling Group)

L. t t					
Instance type requirements Info Override launch template You can keep the same instance attributes or instance type from your launch template, or you can choose to override the launch template by specifying different instance attributes or manually adding instance types.		Load balancing Info			
Launch template Version web-app-launch-template ☑ Default lt-01bc43cbcc2d4a863	Description web-app-launch-template	Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.			
Instance type t3.micro		No load balancer Traffic to your Auto Scaling group will not be fronted by a load balancer.	 Attach to an existing load balancer Choose from your existing load balancers. 	Attach to a new load balancer Quickly create a basic load balancer to attach to your	
Network Info				Scaling group.	
For most applications, you can use multiple Availability Zones and I the zones. The default VPC and default subnets are suitable for get VPC Choose the VPC that defines the virtual network for your Auto Scaling group. Vpc-07c536590dcad87be (Lab VPC)	tting started quickly.	Attach to an existing load balan Select the load balancers that you want to attach			
Availability Zones and subnets Define which Availability Zones and subnets your Auto Scaling group can use i	_	 Choose from your load balancer targethis option allows you to attach Application Gateway Load Balancers. 		m Classic Load Balancers	
us-west-2a subnet-0cc436d2de1674e74 (Private X Subnet 1)	_	Existing load balancer target groups Only instance target groups that belong to the sa	nme VPC as your Auto Scaling group are ava	ailable for selection.	
us-west-2b subnet-00dfef2f5052e3e74 (Private X Subnet 2) 10.0.4.0/24 Create a subnet [2]		Select target groups webserver-app HTTP Application Load Balancer: WebServerELB		▼	С
Health checks Health checks increase availability by replacing unhealthy instances. When you one fails, instance replacement occurs. EC2 health checks	u use multiple health checks, all are evaluated, and if at least	Scaling Info You can resize your Auto Scaling group manually or	automatically to meet changes in demand.		
 ③ Always enabled Additional health check types - optional Info ✓ Turn on Elastic Load Balancing health checks Recommended Elastic Load Balancing monitors whether instances are available to handle requests. When it reports an unhealthy instance, EC2 Auto 		Scaling limits Set limits on how much your desired capacity can be increased or decreased. May desired capacity.			
		Min desired capacity 2	4		
Scaling can replace it on its next periodic check. (i) EC2 Auto Scaling will start to detect and act on health check To avoid unexpected terminations, first verify the settings of Balancer console		Equal or less than desired capacity Automatic scaling - optional Choose whether to use a target tracking polity you can set up other metric-based scaling policies are			
Turn on VPC Lattice health checks VPC Lattice can monitor whether instances are available to handle request Scaling replaces it after its next periodic check. Health check grace period Info	ts. If it considers a target as failed a health check, EC2 Auto	No scaling policies Your Auto Scaling group will remain at its init will not dynamically resize to meet demand.		caling policy ch metric and target value and let the the desired capacity in proportion to	
This time period delays the first health check until your instances finish initiali placed into a non-running state. 300 seconds	izing. It doesn't prevent an instance from terminating when	Scaling policy name			
		Target Tracking Policy			
		Metric type Info Monitored metric that determines if resource utilizate better scaling performance. Average CPU utilization	tion is too low or high. If using EC2 metrics, con	isider enabling detailed monitoring for	
		Target value			
		Instance warmup Info			
		300 seconds			





Y lo probamos, funciona correctamente

