



PASAJES





AWS GAME DAY 2023
NIVEL INICIAL
DIVERTITE, JUGÁ Y
APRENDÉ HACIENDO

Haciendo foco en:

- EC2
- VPC
- AutoScaling
- ELB/ALB



- CloudFront
- Elasticache
- S3
- CloudWatch
- ECS/Fargate







You Tube

- Sesión 1 "IAM"
- Sesión 2 "VPC"
- Sesión 3 "EC2"
- Sesión 4 "AWS Elastic Load Balancers y Auto Scaling"
- Sesión 5 "Storage (EBS, EFS, S3) + Monitoring/Log"
- Sesión 6 "Cloudfront+Route 53"
- Sesión 7 "Databases"
- Sesión 8 "Serverless"
- Sesión 9 "Security & Compliance"
- Sesión 10 "Billing & Support"
- Sesión 11 "TIPS"







Networking

Internet GtW ~vs.~ Nat Gateway
Nat Instance ~vs.~ Nat Gateway
Nat Instance ~vs.~ Bastion
Nat Instance ~ Disabling source/destination checks

Route Table Public ~> Path to ~ Internet Gateway Route Table Private ~> Path to ~ Nat Gateway

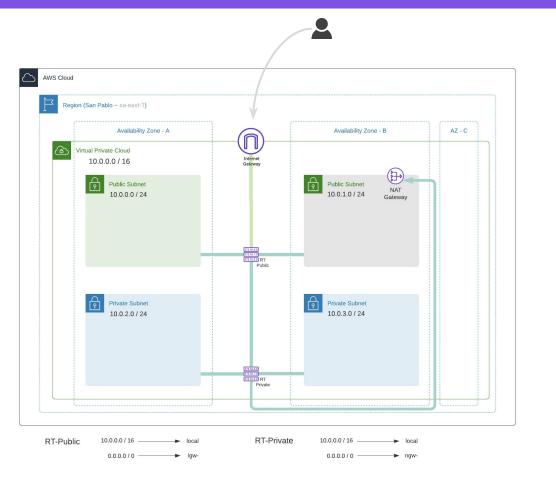
Security Group \sim Stateful \sim (allow) NACL \sim Stateless \sim (allow & deny)

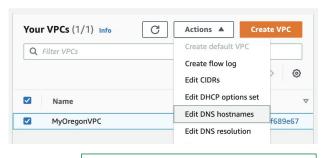
Security Group, NACL Default - Allow All Security Group, NACL Custom - Deny All

ICMP, Ephemeral Ports

Redes y Ruteo

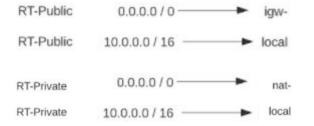






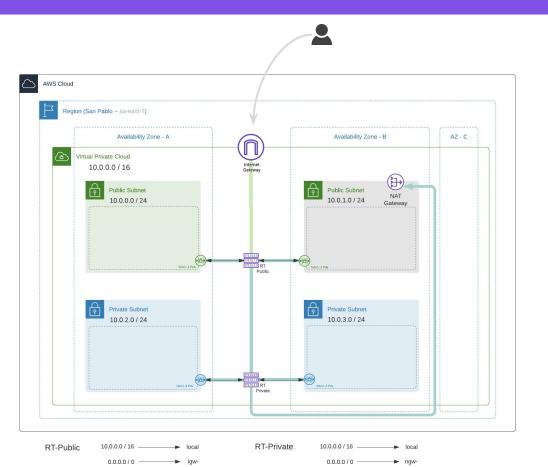
Auto-assign IPv4 Info

Enable auto-assign public IPv4 address



Seguridad - "Física"





Caso de USO: Internet - Web Server - BD

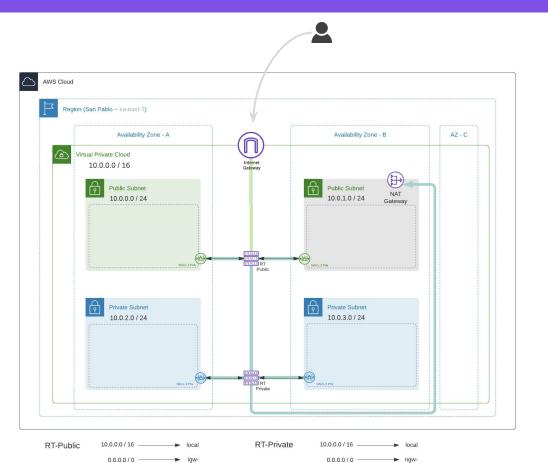
NACL-Public-A	Inbound rules				
Rule number	Туре	Protocol	Port range	Source	Allow/Deny
100	HTTP (80)	TCP (6)	80	0.0.0.0/0	⊘ Allow
200	SSH (22)	TCP (6)	22	181.164.85.20/32	
300	Custom TCP	TCP (6)	1024 - 65535	1024 - 65535 0.0.0.0/0	⊘ Allow
•	All traffic	All	All	0.0.0.0/0	⊗ Deny
			Outbound rules		
Rule number	Type	Protocol	Port range	Destination	Allow/Deny
100	All traffic	All	All	0.0.0.0/0	⊘ Allow
	All traffic	All	All	0.0.0.0/0	(x) Deny

NACL-Private	Inbound rules				
Rule number	Туре	Protocol	Port range	Source	Allow/Deny
100	MySQL/Aurora (3306)	TCP (6)	3306	10.0.0.0/24	
200	SSH (22)	TCP (6)	22	10.0.0.243/32	⊘ Allow
300	Custom TCP	TCP (6)	1024 - 65535	0.0.0.0/0	
•	All traffic	All	All	0.0.0.0/0	⊗ Deny
		Outb	ound rules		
100	All traffic	All	All	0.0.0.0/0	⊘ Allow
	All traffic	All	All	0.0.0.0/0	(X) Deny

ephemeral ports

Seguridad - "Física"





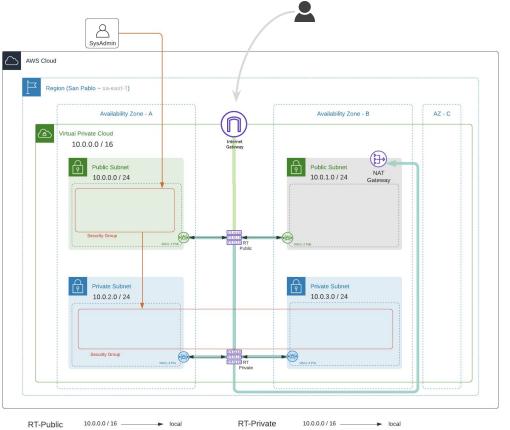
Caso de USO: Update SW. Privado por Nat Gwy

NACL-Public-B	Inbound rules					
Rule number	Туре	Protocol	Port range	Source	Allow/Deny	
100	HTTP (80)	TCP (6)	80	10.0.2.0/24	⊘ Allow	
200	HTTPS (443)	TCP (6)	443	10.0.2.0/24		
300	Custom TCP	TCP (6)	1024 - 65535	0.0.0.0/0		
•	All traffic	All	All	0.0.0.0/0	⊗ Deny	
		Ou	tbound rules			
Rule number	Туре	Protocol	Port range Destination		Allow/Deny	
100	HTTP (80)	TCP (6)	80	0.0.0.0/0	⊘ Allow	
200	HTTPS (443)	TCP (6)	443	0.0.0.0/0		
300	Custom TCP	TCP (6)	1024 - 65535	10.0.2.0/24	⊘ Allow	
	All traffic	All	All	0.0.0.0/0	(x) Deny	

NACL-Private	Inbound rules				
Rule number	Туре	Protocol	Port range	Source	Allow/Deny
100	MySQL/Aurora (3306)	TCP (6)	3306	10.0.0.0/24	
200	SSH (22)	TCP (6)	22	10.0.0.243/32	⊘ Allow
300	Custom TCP	TCP (6)	1024 - 65535	0.0.0.0/0	
•	All traffic	All	All	0.0.0.0/0	⊗ Deny
		Outh	ound rules		
100	All traffic	All	All	0.0.0.0/0	⊘ Allow
	All traffic	All	All	0.0.0.0/0	(X) Deny

Seguridad - "Lógica"





0.0.0.0 / 0

			WebDMZ	-SG
Inbound rule	es			
Туре	Protocol	Port range	Source	Description - optional
нттр	TCP	80	0.0.0.0/0	(4)
SSH	TCP	22 181.164.85.20/32		
Custom TCP	TCP	1024 - 65535	0.0.0.0/0	User-Data Setup (yum update, git clone
Outbound r	ules			
Туре	Protocol	Port range	Destination	
All TCP	TCP	0 - 65535	0.0.0.0/0	

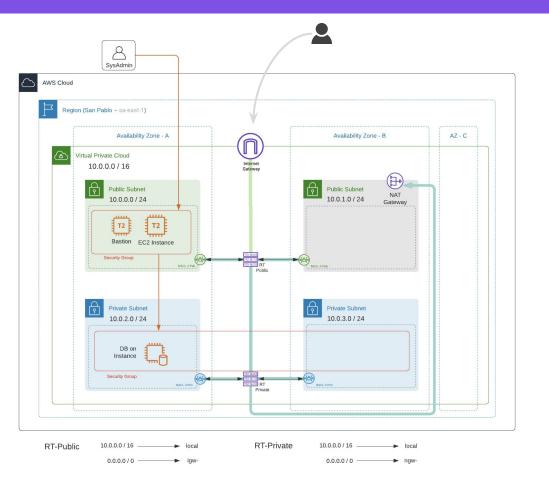
				MyDB-SG	
Inbound rules					
Туре	Protocol	Port range	Sour	rce	
SSH	TCP	22	sg-	(WebDMZ-SG)	
MYSQL/Aurora	TCP	3306	sg-	(WebDMZ-SG)	
Outbound rule	ıs				
Туре	Protocol	Port range		Destination	
All traffic	All	All		0.0.0.0/0	

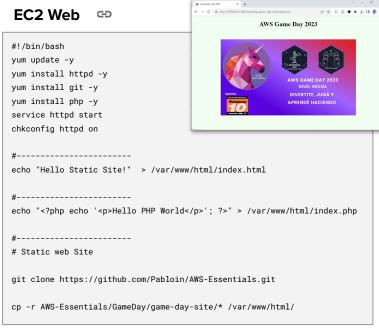
3306 | desde SG-1

22 | desde SG-1

Despliegue







user_data_gameday.sh







Muchos Éxitos!!!



