Week 5: Network Security in the Cloud

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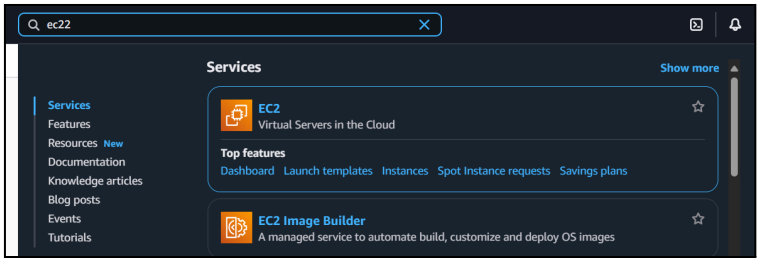
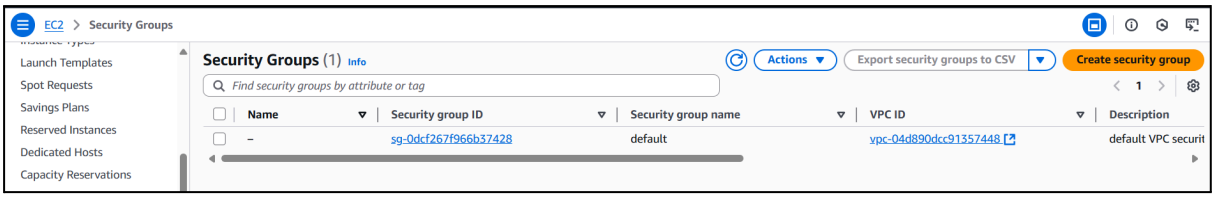
Task- 1) Configure security groups and firewall rules.
2) Block unnecessary ports.
3) Document security ruleset.

Task 1- Configure security groups and firewall Rules.

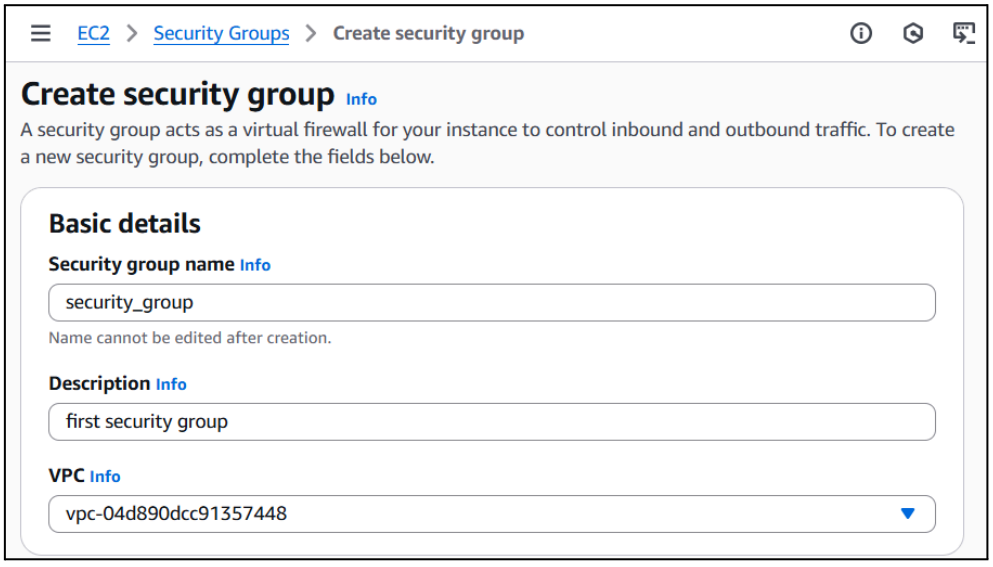
1) Log in to AWS Console. Go to https://aws.amazon.com, sign in to the AWS Management Console.
2) Open the EC2 Dashboard in the AWS Console, search for EC2 in the services.



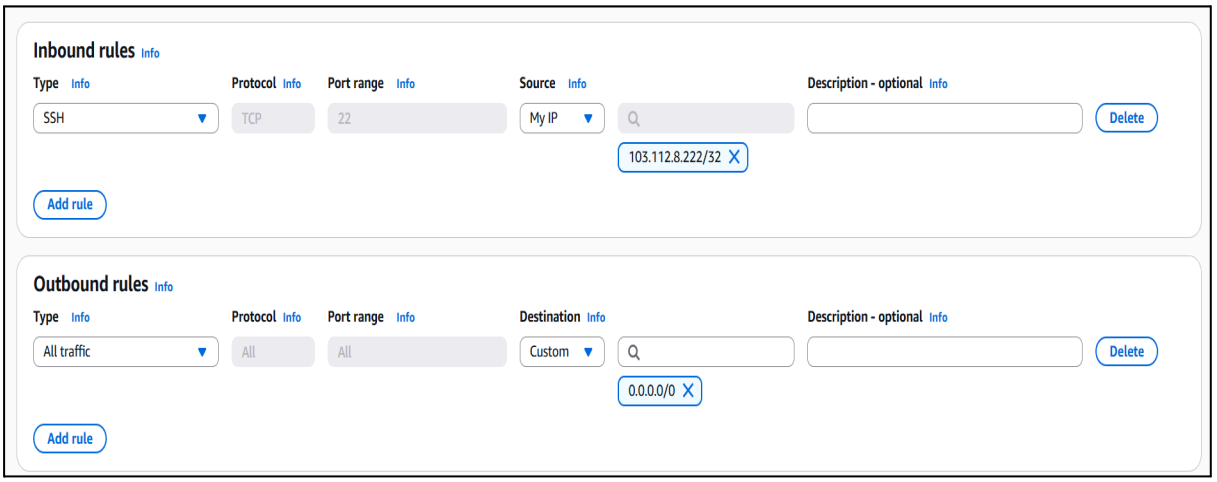
3) Click on Security Groups in the left sidebar under “Network & Security”



4) Create a Security Group, fill in the details of the Security Group.

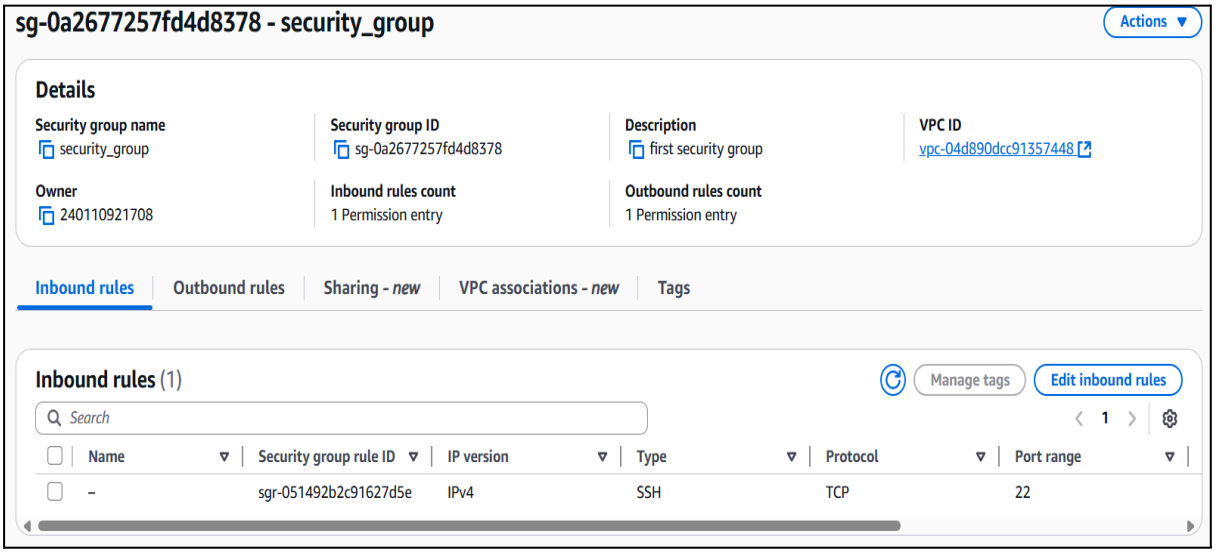


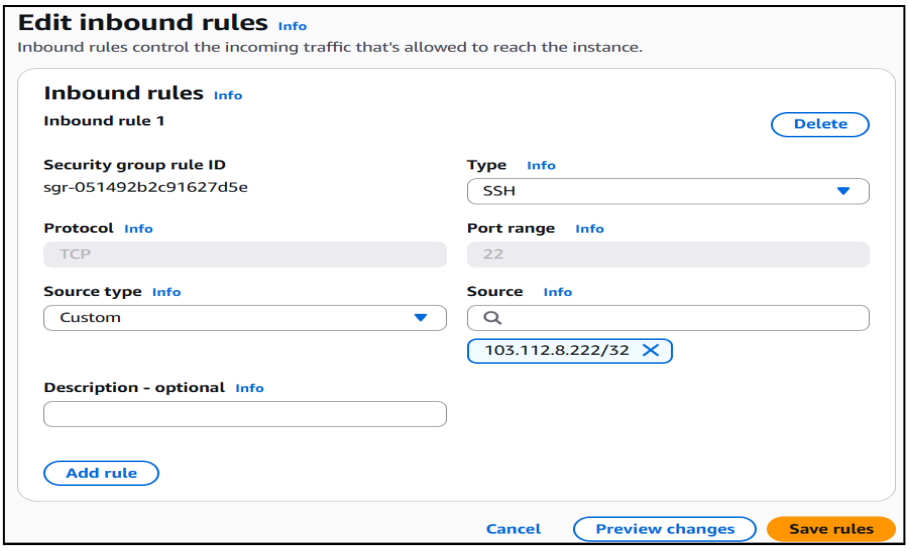
5) Then enter Inbound and Outbound Rules and click the Create Group button.



6) Security Group created successfully.

7) Block Unnecessary Ports, Edit Inbound and Outbound Rules.





8) Unnecessary ports are now blocked, and your instance is more secure.

9)

Direction	Port	Protocol	Source/Destination	Description
Inbound	20	TCP	My IP	SSH for Admin
Inbound	80	TCP	Anywhere	HTTP for Web
Outbound	All	All	0.0.0.0/0	Default Method