Day-3

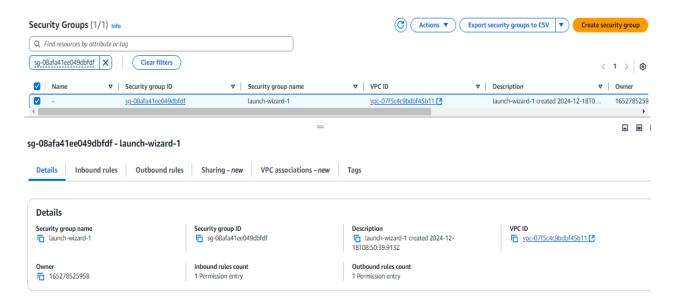
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Today's working will be on the Sub section of EC2 instance that is Network and Security. It has many points covered like Security Groups, Elastic IPs, Key Pairs, etc......

The Contents are as Follows:

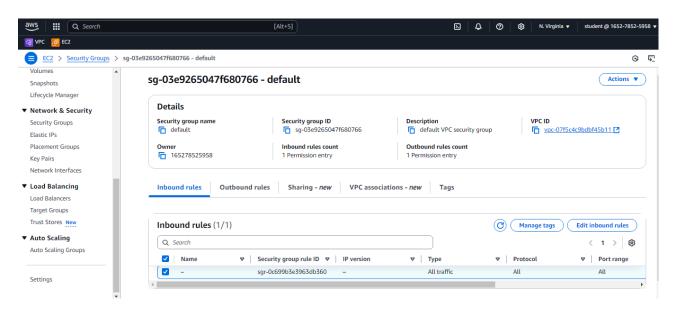


Security Groups: They control which traffic can enter or leave your instances. You define rules to allow or deny traffic based on things like the IP, port, etc.



Security Groups are a built-in feature of AWS, so there are no additional costs associated with using them so they are like the best way to keep you Cloud space secure. They are also very helpful in managing as created security groups can be assigned to multiple services.

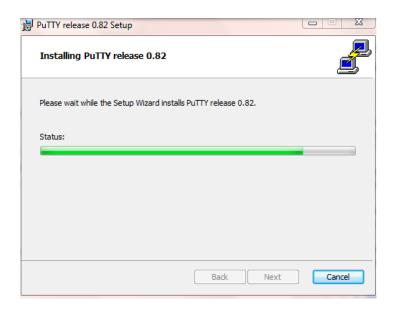
Details of a Security group:



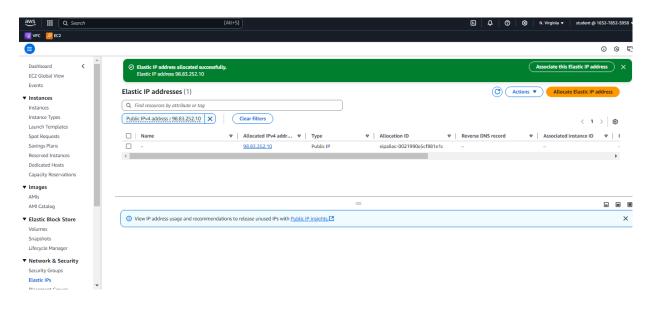
Creating a Key Pair: (You need a key pair to create and connect an Instance)



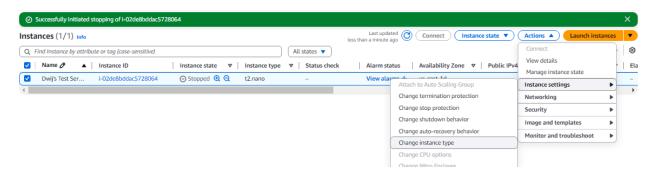
Use PuTTY to generate key pairs:



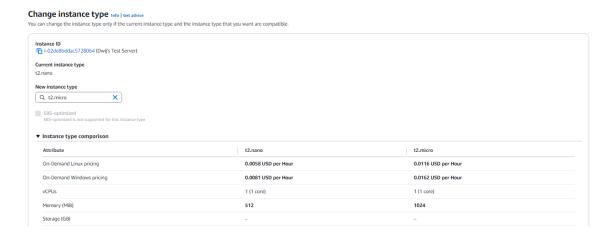
Elastic IP: It's a static IP address (which will not change) that you can associate with any of your instances in a particular region.



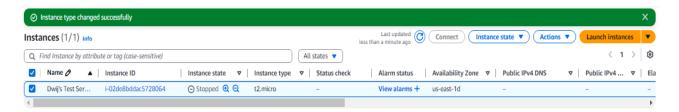
Changing Instance Type:



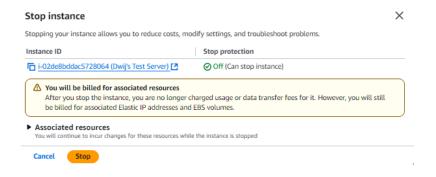
Note: You cannot change CPU for t2 mico instance.



Change Successful:



Note: You need to stop an Instance before changing its type.



Facts:

- 1) Cloud is like a web, once you enter it, it's very hard to get out of it.
- 2) Cloud requires skill, if you have it then cloud is a boon; if not, cloud is nothing more than a curse.
- 3) Security Groups is one of the most useful feature of cloud.
- 4) Elastic IPs provides stability and flexibility for your AWS infrastructure.
- 5) Keep your private key safe and secure! If someone gets access to it, they can gain access to your server.