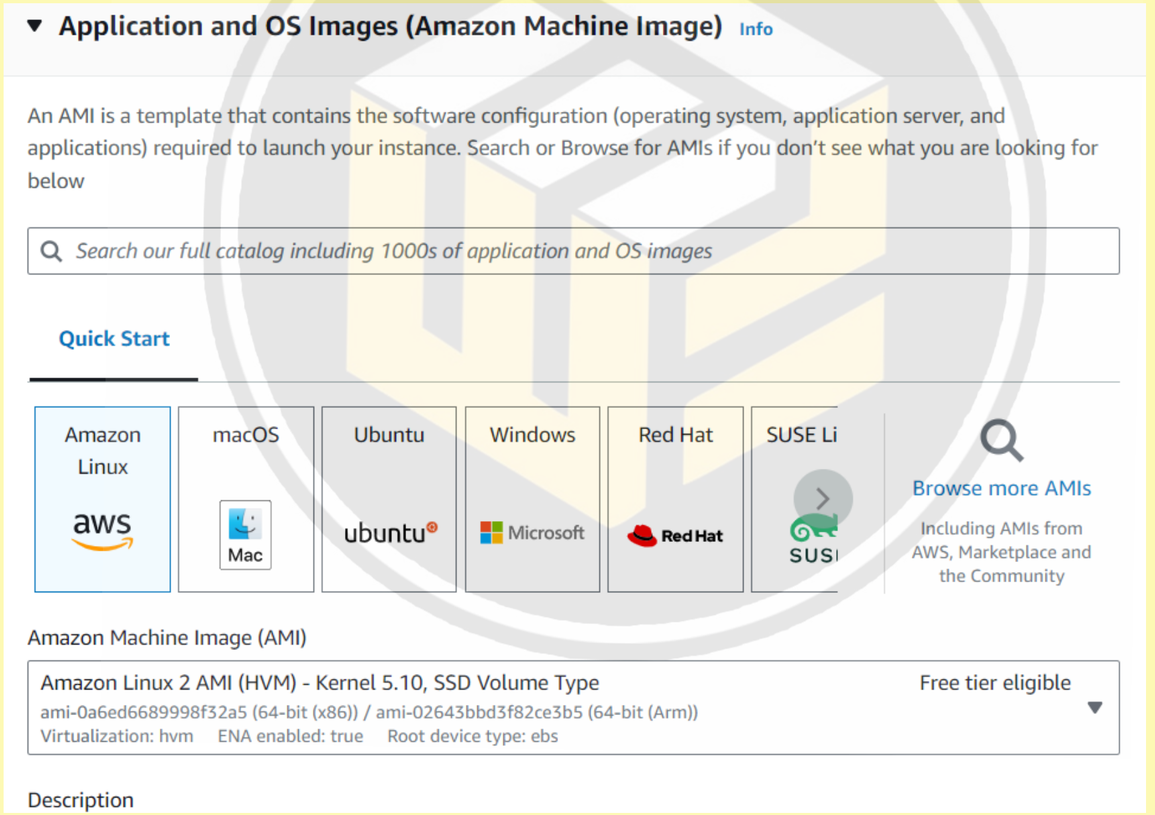
STEPS TO CREATE EC2

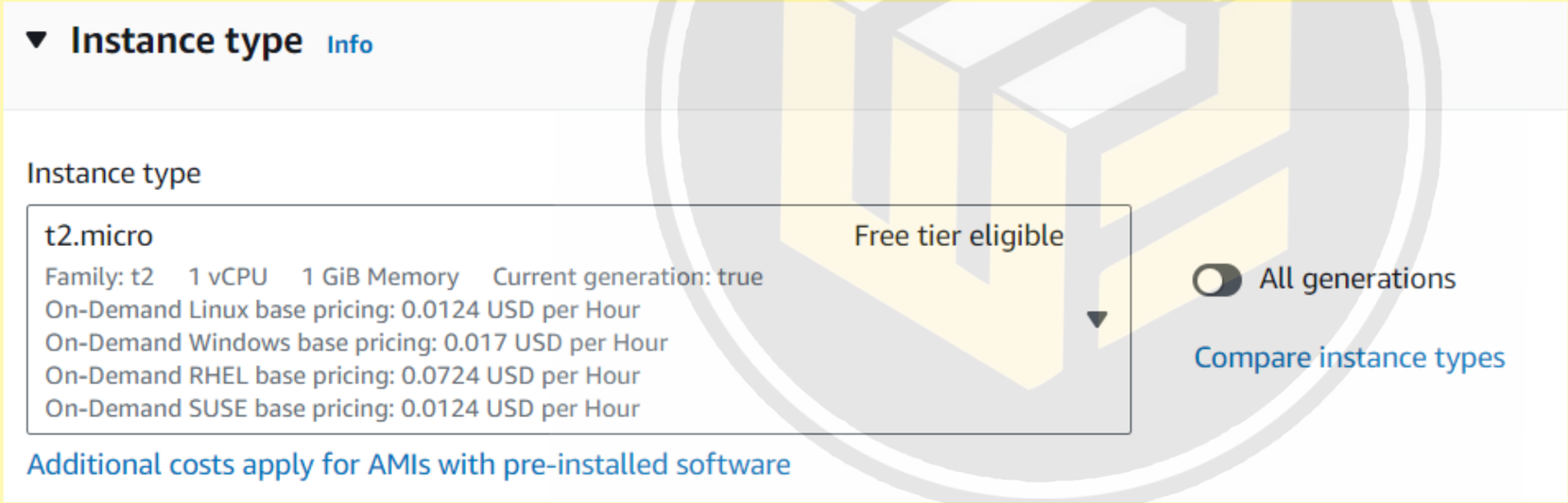
STEP 1: Choose an Amazon machine image {AMI}:

- AMI is a template that consits of software configuration (os, application server, application)required to launch your instance.
- it consists of AMI ID which is region specific.we can buy ,sell ,share the AMI’’s.
- we need to use free tier AMI’s only.



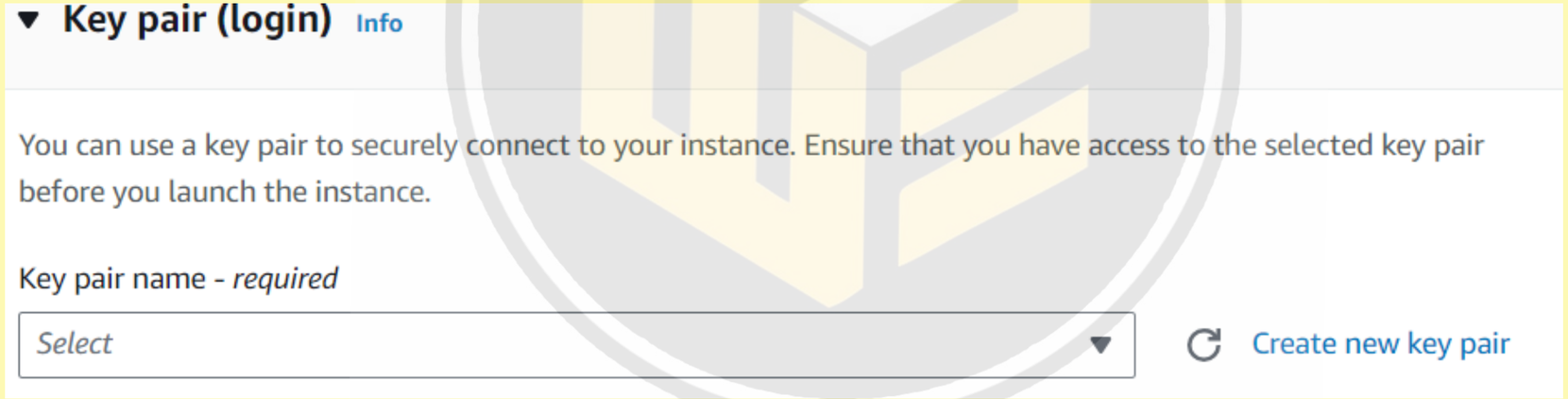
STEP 2: choose an instance type

- we are providing cpu & memory to our instance.
- here we need to select an instance that is under the free tier.
- t2 micro instance have (1 CPU& 1 GB).
- total instance families are 90 available.



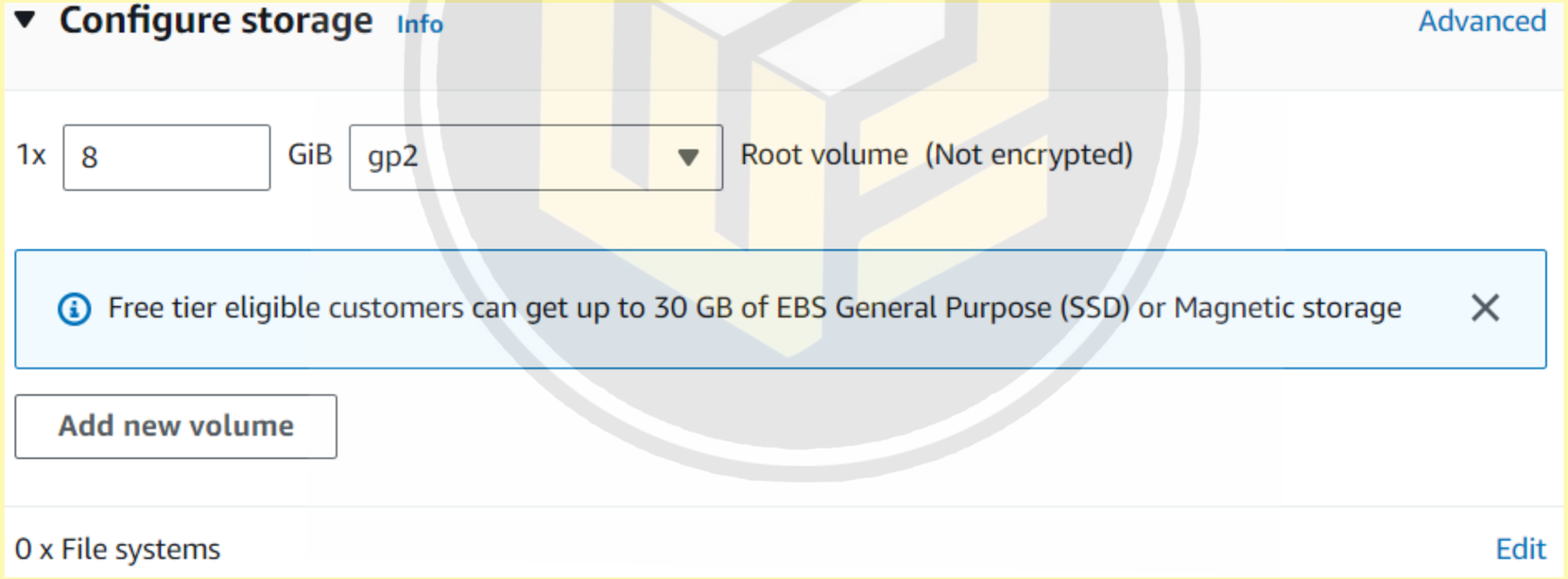
STEP 3: configure your instance.

- configure the instance to suit your requirements. you can launch multiple instances from the same AMI’s request spot instances to take advantage of the lower pricing,assign access management role to the instance,and more.
- Here you need to configure all your instance details like no.of instances, subnets, vpc, IAM role,tenancy and all other details.



STEP 4: Add storage:

- To store the data in server we use Ebs volumes.
- ebs means elastic block storage.
- for single server we can use attach multiple ebs volumes.
- os will run on ebs volumes.
- free tier eligible customer can get up to 30GB of EBS general purpose.

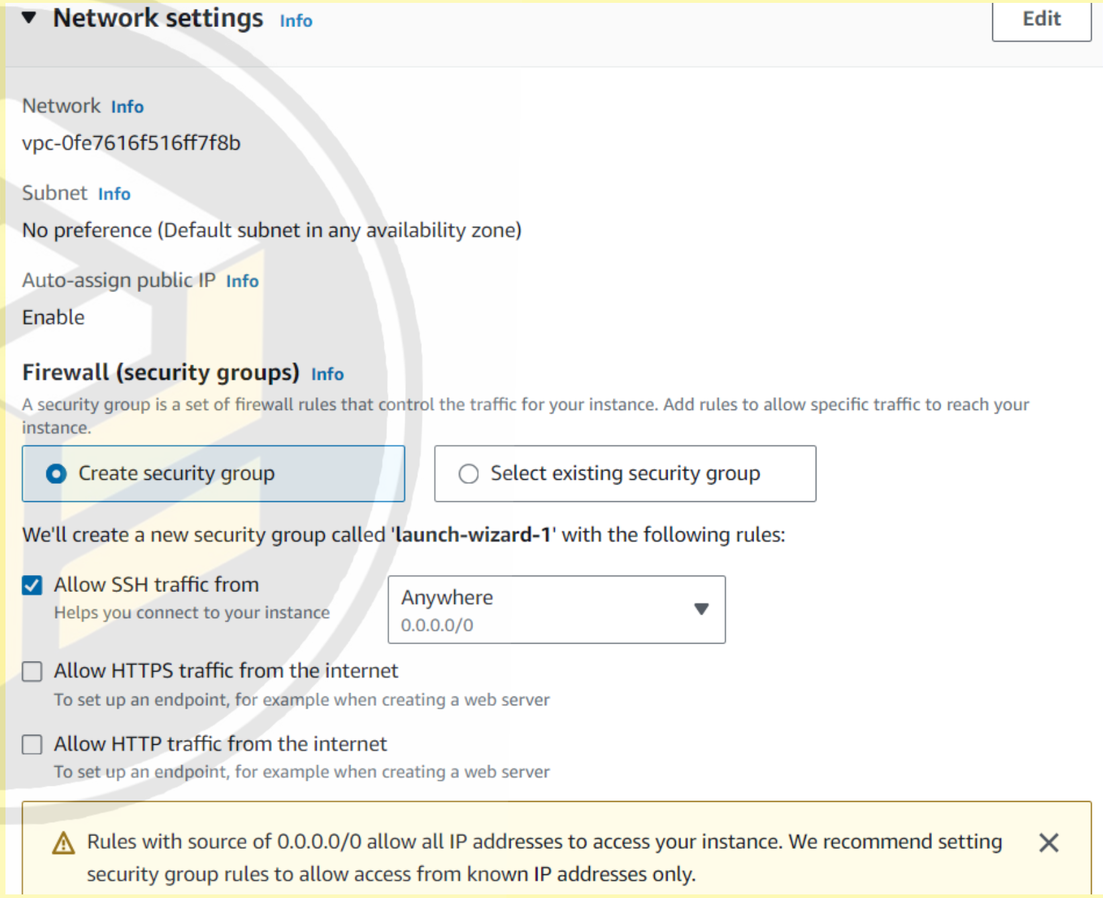


STEP 5: Add tags

- You can give name to your instance.

STEP 6: Configure security group:

- A security group is set of firewall rules that control the traffic for your instance.
- these are region and network specific.
- The port range is 0 to 65535.
- It deals with the inbound and outbound traffic.



STEP 7: Review and launch

- At the last step we need cross verify the details of an instance and then proceed to launch the instance.