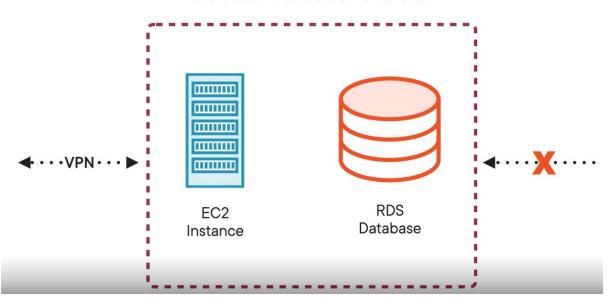
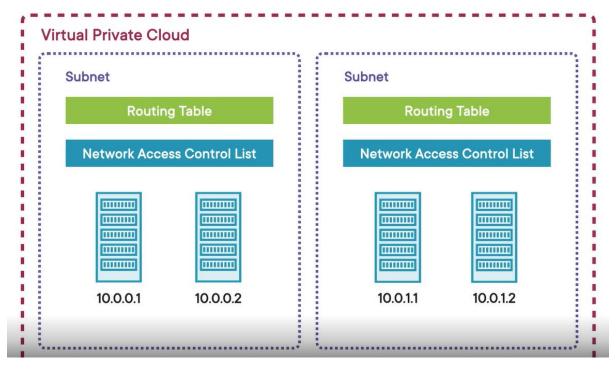
Getting inside the virtual machine with EC2 and VPC:

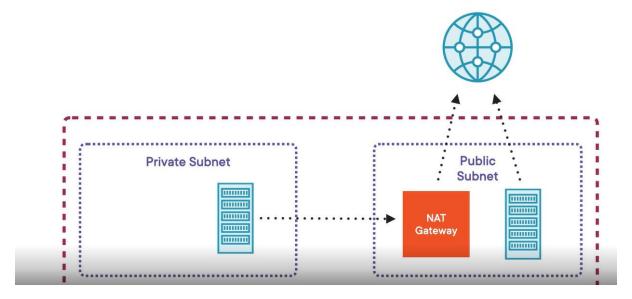
- Services that utilize EC2:
- 1. Elastic Block Store
- 2. Relational Database Service
- 3. Elastic Beanstalk
- 4. Redshift
- 5. Elastic MapReduce
- 6. ElastiCache
- EC2 virtual machine service that runs software of your choice

Virtual Private Cloud

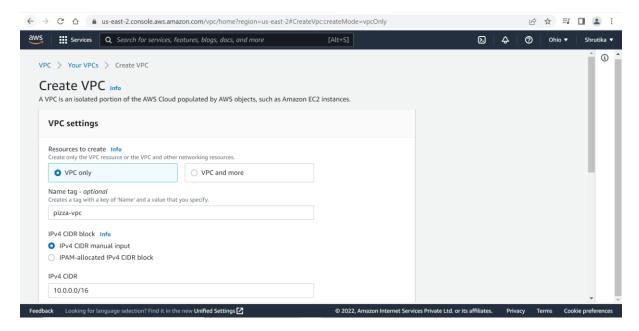


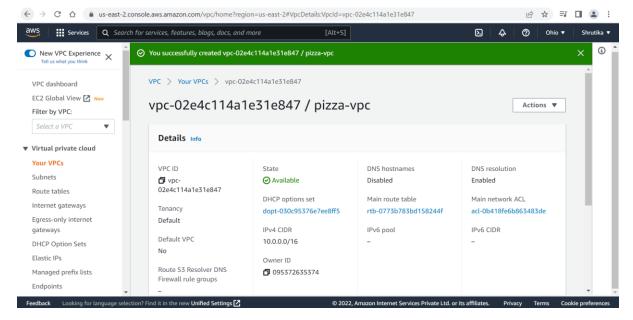


Public and Private Subnet Configuration



Demo: Create VPC and subnets:

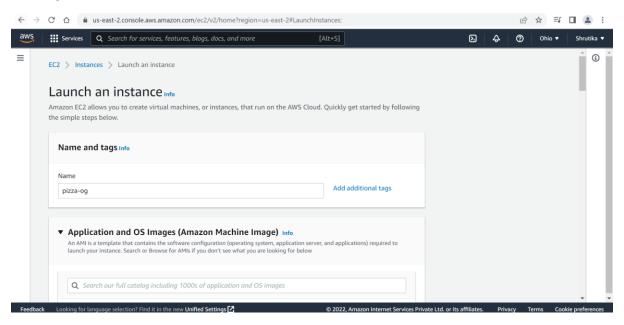


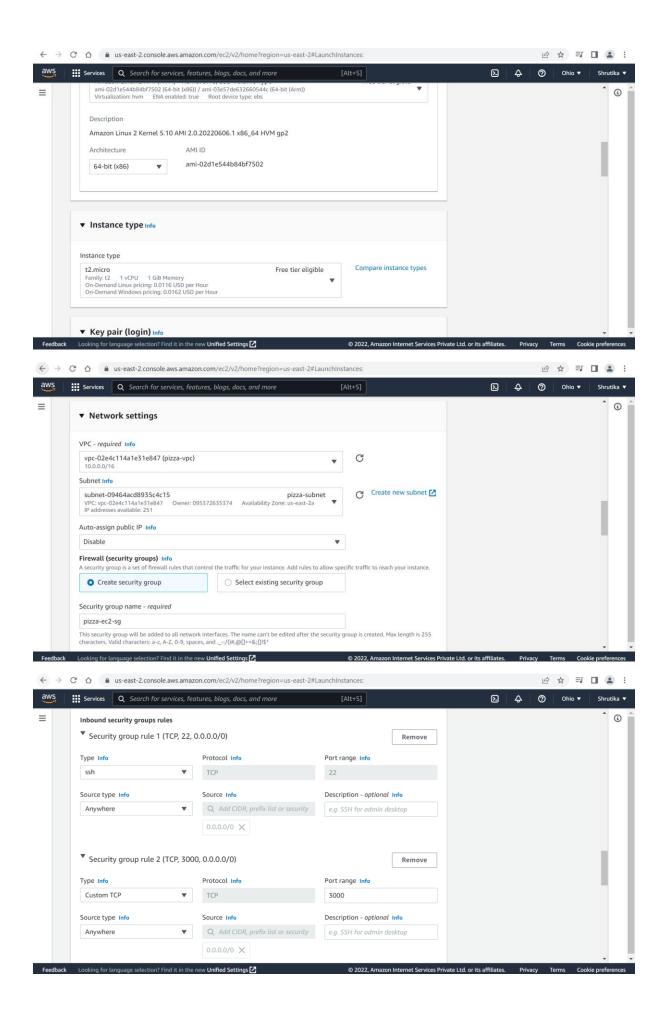


Elastic Block Store:

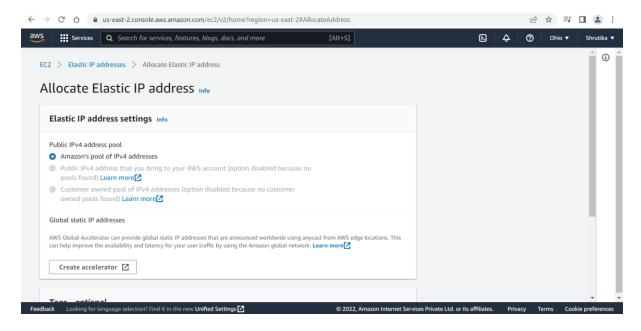
- Independent storage volumes used with EC2 instances

Creating EC2 instance:





Elastic IP: Public IP addresses that are created, destroyed and assigned independently.



- Auto scaling group expands or shrinks a pool of instances based on pre-defined rules.
- Load balancer routing appliance that maintains a consistent DNS entry and balances requests to multiple instances.

Create AMI:

