**Spinning up VM using AWS compute Services:**

Spinning up an EC2 instance on AWS can be a daunting task…Let’s see the steps to create it

**Key Pairs:**

We have to create key-pairs associated with our AWS account. These key-pairs act as certificates that allows to access the instances that have been started. During starting of an instance, it is prompted to either associate a key-pair with that instance, or create a new key-pair to save it to your machine.

**Security Groups:**

Security groups act as a firewall for the instances. Within security groups we have to define which ports we would like to have access to your server

**Choose an Amazon Machine Image (AMI)**

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch the instance. We have to select an AMI.  
  
**Choose an Instance Type**  
 We have to select t2.micro & Next configure instance detail  
   
**Configure Instance Details**  
Here it allows to set the number of instances we wish to provision, selectors for which VPC we would like to deploy the instance to, which availability zone subnet you would like to use, and Public IP settings. We can also select which IAM role would like to use for this instance, the instance’s shutdown behaviour  
   
**Add Tags & configure security group**  
 By default, if we open up a port to receive traffic, the instance will allow outbound traffic on that same port. Confirm that the port type is set to SSH, on port 22, and the source is set to your ‘My IP’, then click the ‘Review and Launch’   
 **I have added a sample Ec2 instance with High availability (Auto scaling + Load balancer implementation) screenshot which I created**  
  
  
  




















