Guide : How to create an AWS EC2 Instance ?

Hey Cloud_Enthusiasts,

So finally you made it to an AWS Account and want to know how to create an AWS EC2 Instance in a few steps then you are at the right place. Today in this article you will get to know about the AWS EC2 Instance and also how to create one on your own and for that obviously you need an AWS account, so if you have not made it yet then why are you waiting, go and get one for yourself (It's free). So let's start,

What is AWS EC2 Instance ?

Amazon Web Services Elastic Compute Cloud Instance (AWS EC2 Instance) is a web service that provides resizable computing capacity which means you literally own a server in Amazon's data centers for you to use to build and host your software systems. EC2 is a service that enables business subscribers to run application programs in the computing environment. It can also serve as a practically unlimited set of virtual machines (VMs).

Now let's create an EC2 Instance

Follow the steps to create an instance :

Step 1 - Login to your AWS account.
Step 2 - Now in your dashboard click on the Services (in top left corner) and then select EC2 under the Compute section from the drop down menu.
Step 3 - Now the EC2 Dashboard appears, select the region of your choice and click on instances and then click on, "Launch Instances".
Step 4 - Now select your desired Amazon Machine Image (AMI) or instance from the list of images and you can also select the desired architecture of a respective instance and then click the blue select button to start the machine.
Note : You should select a machine which is available for free tier else you will be charged.
Step 5 - Then select the free tier eligible instance type and click on "Configure Instance Details".
Step 6 - In the Configure Instance Details you can configure the instance such as the number of instances, network settings, etc; but select the default settings and then click on Add Storage.
Step 7 - In Add Storage section you can upto 30 GB of storage (for free tier accounts), and then click on Add Tags.
Step 8 - In the Add Tags section select the Add Tag option and then set a key-value pair for it and then click on Configure Security Group.
Step 9 - In Configure Security Group, click on add role and select type as http and https for connecting to the server and keep rest of the settings as default and then select Review and Launch.

Step 10 - After reviewing the instance click on Launch and a new window will appear which will tell us to create a new key pair for accessing the instance from a remote machine and for that you have to select, create a new key pair and then name the key pair and download it and at last select Launch Instance.

Note : Store the key pair in a secure and accessible location because you will not be able to download the key pair file again after it's created.

Step 11 - Now your instance is ready but it will take some time to get started and if you want to see the status of your instance you can click on View Instances.

Step 12 - After your instance is in running state you can access it using the termius or putty.