**Important Links and Question for AWS Cloud Computing**

Avoiding Unexpected Charges

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/checklistforunwantedcharges.html>

Questions:

1. How did you find the user name of the Linux Instance, once it is launched using available AMI?
2. How do I know how much I’ve used and if I’ve gone over the free usage tiers?
3. What if, we do restart the instance, will the public IP of the instance remain same or it will be changed?
4. How you can differ between edge location and availability zones.
5. If you create an instance in One region can we see that instance in another region.
6. Can we add more than one EBS volumes with the same EC2 instance.

If yes, how?

1. Once the instance has been stopped, will AWS charge any amount for the machine.
2. How many machines we can create in a Region by default?
3. Define the purpose of EC2 Security Group. Can we launch a VM without Security Group.
4. How many maximum number of Security Groups can be added to one instance?
5. What are the limitations of AWS Free Tier Account, please write in detail?
6. What maximum size of EBS volume under Free Tier can be taken.
7. Please find a link on AWS to check the health of existing availability zones at present?
8. What is AWS?
9. Why AWS?
10. What includes in AWS Cloud Global Infrastructure?
11. What you get in AWS Free Tier Account?
12. What is Xeon?
13. What is Hypervisor?
14. Difference between Type-1 and Type2 Hypervisor
15. How do you see Flexibility in AWS?
16. How would you explain Availability Zone?
17. What are AWS Regions?
18. What are Edge Locations?
19. Name a few AWS Services
20. What if you exceed limits of AWS Free Tier Account?
21. What is AWS Management Console?
22. What is an EC2 Instance?
23. Name the Main three components of EC2 Instance
24. Which Protocol and Port Number is used to take remote of Linux Machine?
25. Which Protocol and Port Number is used to take remote of Windows Machine?
26. Scenario: We have an Instance which is connected with an EBS volume, now we don’t need that Instance but, we want to keep the volume. How to accomplish the task?
27. What users of AWS users can do now they couldn’t before on physical environment? 🡨
28. How to connect and activate additional EBS volume with running instance?
29. How to increase the size of existing EBS volume which is connected with the instance?
30. How we can move an Instance from one region to another, procedure details required?
31. If you create an AMI from EC2 Instance what information or component details that AMI contains?
32. Once the Instance is launched and running, now we need more compute and memory resource for the application running on the instance. If there is any method to upgrade vCPU numbers and RAM of the instance.
33. Which is not an offered model by cloud technologies eg. PaaS, SaaS, YaaS, IaaS.
34. How many max number of rules can be added in a Security Group?
35. How many max number of Security Groups can be created in a AWS Region?
36. How many max number of EC2 Instances can be launched by default in an AWS Region?
37. How many max number of Security Groups can be added/attached with one EC2 instance?
38. How many max number of EIP addresses can be allocated to one Region?
39. What is the use of EIP and why it is required?
40. Combination of Public and Private cloud can be termed as \_\_\_\_\_\_\_\_\_\_\_
41. When will you incur cost with an Elastic IP address?
42. When an EIP is allocated to resource or
43. When the EIP is not attached to any Instance
44. What is AWS CLI, what does it mean?
45. Define Metadata of EC2 Instance, how to access metadata of the Instance?
46. What is the function of Security Group?
47. What is the difference between General Purpose and Provisioned IOPs in EBS Volumes?
48. What is the relation between AWS Regions and AWS Availability Zones?
49. Can we encrypt EBS Volume? How?
50. How to add an additional SG in a running instance?
51. What is the difference between Security Group and Physical Firewall?
52. Why AWS gives an option to use multiple Security Groups on an EC2 Instance?