**AWS Notes**

* IAM
  + stands for identity and access management.
  + Global Service
  + Root Account by default ->create users and form groups
    - E.g., Developers, Operations
  + Group cannot contain another group but only users. Some users may not belong to any group or may belong to multiple groups. (Group policy or Inline Policy {or Attached directly -personal, Attached from group and inline})
  + Users or groups can be assigned a JSON document called policies. Policies define the permissions of the users
  + In AWS, you apply a principle called the **least privilege principle,** so you don't give **more** permissions than a user needs.

**AWS**

1. You ONLY want to manage Applications and Data. Which type of Cloud Computing model should you use?

* On-premises
* Infrastructure as a Service (IaaS)
* Software as a Service (SaaS)
* Platform as a Service (PaaS)

1. What is the pricing model of Cloud Computing?

* Discounts over time
* Pay-as-you-go pricing
* Pay once a year
* Flat-rate pricing

1. Which Global Infrastructure identity is composed of one or more discrete data centers with redundant power, networking, and connectivity, and are used to deploy infrastructure?

* Edge Locations
* Availability Zones
* Regions

1. Which of the following is NOT one of the Five Characteristics of Cloud Computing?

* Rapid elasticity and scalability
* Multi-tenancy and resource pooling
* Dedicated Support Agent to help you deploy applications
* On-demand self service

1. Which are the 3 pricing fundamentals of the AWS Cloud?

* Compute, Storage, and Data transfer in the AWS Cloud
* Compute, Networking, and Data transfer out of the AWS Cloud
* Compute, Storage, and Data transfer out of the AWS Cloud
* Storage, Functions, and Data transfer in the AWS Cloud

1. Which of the following options is NOT a point of consideration when choosing an AWS Region?

* Compliance with data governance
* Latency
* Capacity availability
* Pricing

1. Which of the following is NOT an advantage of Cloud Computing?

* Trade capital expense (CAPEX) for operational expense (OPEX)
* Train your employees less
* Go global in minutes
* Stop spending money running and maintaining data centers

1. AWS Regions are composed of?

* Two or more Edge Locations
* One or more discrete data centers
* Two or more Availability Zones

1. Which of the following services has a global scope?

* EC2
* IAM
* Lambda
* Rekognition

1. Which of the following is the definition of Cloud Computing?

* Rapidly develop, test and launch software applications
* Automatic and quick ability to acquire resources as you need them and release resources when you no longer need them
* On-demand availability of computer system resources, especially data storage (cloud storage) and computing power, without direct active management by the user
* Change resource types when needed

1. What defines the distribution of responsibilities for security in the AWS Cloud?

* AWS Pricing Fundamentals
* The Shared Responsibility Model
* AWS Acceptable Use Policy
* The AWS Management Console

1. A company would like to benefit from the advantages of the Public Cloud but would like to keep sensitive assets in its own infrastructure. Which deployment model should the company use?

* Private Cloud
* Public Cloud
* Hybrid Cloud

1. What is NOT authorized to do on AWS according to the AWS Acceptable Use Policy?

* Building a gaming application
* Deploying a website
* Run analytics on stolen content
* Backup your data