**Billing and Pricing**

You are an AWS Enterprise customer with questions about billing and you overall AWS account? Which of the following AWS support personnel should you contact?

* AWS Billing and AccountsSelected

For AWS Enterprise customers, the AWS Concierge is a resource dedicated to answering billing and account questions.

* AWS Concierge
* AWS Technical Account Manager
* AWS Support

Which of the following are Support Levels offered by AWS?

* Individual

The AWS Support levels are Basic, Developer, Business, and Enterprise.

* Start-upSelected
* DeveloperSelected
* Basic
* BusinessSelected

Which of the following support plans feature access to AWS support via email only during business hours ?

The Developer support plan features access to AWS support during business hours via email?. Other plans offer email support but ony Developer is specifically business hours. Therefore it is the most correct answer.

* Business
* Developer
* EnterpriseSelected
* Basic

Which of the following AWS services are free to use?

* Elastic Beanstalk
* RDSSelected
* CloudFormation

The correct answers are VPC, Elastic Beanstalk, CloudFormation, IAM, and Auto-Scaling. Please keep in mind that with VPC, Elastic Beanstalk, CloudFormation, and Auto-Scaling, the underlying provisioned resources will incur charges.

* Route53Selected
* S3Selected
* Auto-Scaling
* IAM
* VPC
* EBS
* EC2

Which of the following are valid EC2 pricing options?

* On-Demand

On-Demand and Reserved are the valid EC2 pricing options.

* Enterprise
* Reserved
* Stop

Which of the following best describes a Resource Group?

* A resource group is a collection of resources that are deployed in the same AWS Region.
* A resource group is a collection of resources of the same type (EC2, S3, etc.) that share one or more tags or portions of tags.
* A resource group is a collection of resources of the same type (EC2, S3, etc.) that are deployed in the same Availability Zone.Selected
* A resource group is a collection of resources that share one or more tags (or portions of tags.)

A resource group is a collection of resources that share one or more tags (or portions of tags.)

Which of the following is not a fundamental AWS charge?

* Storage

In AWS, data-in is always free-of-charge.

* Data-out
* Compute
* Data-in

Which of the following support services do all accounts receive as standard?

* Technical Account Manager

All accounts receive billing support.

* Billing support
* 24/7 support via phone and chat
* Technical support

Which of the following are criteria affecting your billing for RDS?

* Additional storage

Clock hours of server time, additional storage, and number of requests are among the criteria defining charges for RDS.

* Standby time
* Number of requests
* Clock hours of server time
* Data transfer inSelected

**Cloud Concepts**

Which of the following are principles of sound cloud design?

* Treat your servers like pets, not cattle.
* Disposable resources
* ScalabilitySelected

Build your systems to be scalable, use disposable resources, reduce infrastructure to code, and, please, assume EVERYTHING will fail sooner or later.

* Assume \*everything\* will fail.
* Limit the number of 3rd-party services.
* Tightly-coupled components
* Infrastructure as code

Which of the following is not part of the AWS Global infrastructure?

* Availability Zones

Regions, AZs, and Edge Locations are part of the AWS Global Infrastructure.

* Regions
* Security Groups
* Edge Locations

Which of the following best describes a system that will remain operational even in the event of a component failure?

* Fault-tolerant

a fault-tolerant system will remain operational even in the event of a component failure.

* Scalable
* Elastic
* Highly Available

Under the Shared Responsibility model, for which of the following does AWS not assume responsibility?

* Networking

The customer is responsible for her own customer data.

* Hypervisors
* Customer data
* Physical security of AWS facilities

You have a mission-critical application which must be globally available at all times. Which deployment strategy should you follow?

* Deploy to all Availability Zones in your home region.

A Multi-Region deployment will best ensure global availability.

* Multi-Region
* Multi-VPC in two AWS Regions
* Multi-Availability Zone

Which of the following are advantages of cloud computing?

* Requires large amounts of capital

The 'pay-as-you-go' nature of cloud computing ensures that a large up-front capital expense is not required.

* The ability to 'go global' in minutes
* Increased speed and agility
* Elasticity - you need not worry about capacity.Selected
* Variable expense

Which of the following is correct?

* # of Regions > # of Availability Zones > # of Edge Locations
* # of Availability Zones > # of Edge Locations > # of Regions
* # of Availability Zones > # of Regions > # of Edge Locations
* # of Edge Locations > # of Availability Zones > # of Regions

The number of Edge Locations is greater than the number of Availability Zones, which is greater than the number of Regions.

What do Edge Locations do?

* Host a Content Delivery Network called CloudFront
* Provide independent power grids to Availability Zones
* Provide disaster recovery services
* Provide redundant backup to your AWS services

Edge Locations host a Content Delivery Network called CloudFront.

Which of the following support plans features unlimited (customer-side) contacts and unlimited support cases?

* Enterprise
* Business
* Basic
* Developer

What is an AWS region?

* A region is a subset of AWS technologies. For example, the Compute region consists of EC2, ECS, Lambda, etc.
* A region is a geographical area divided into Availability Zones. Each region contains at least two Availability Zones.
* A region is an independent data center, located in different countries around the globe.
* A region is a collection of Edge Locations available in specific countries.

Which of the following best describes the ability to scale computing resources up or down easily, while only paying for the resources used?

* Elasticity
* Fault-tolerance
* Scalability
* High Availability

Which of the following are geographic areas that host two or more Availability Zones?

* Regions
* AWS Origins
* Compute Zones
* Edge Locations

Which of the following are principles of sound design when it comes to performance efficiency?

* Democratize advanced technologies.
* Have your IT staff master all new technologies.
* Deploy into multiple Regions to go global in minutes.
* Mechanical empathy
* Use Serverless architectures.

Which of the following best describes Availability Zones?

* A Content Distribution Network used to deliver content to users
* Restricted areas designed specifically for the creation of Virtual Private Clouds.
* Two zones containing compute resources that are designed to automatically maintain synchronized copies of each other's data.
* Distinct locations from within an AWS region that are engineered to be isolated from failures.

Which of the following are types of cloud computing deployments?

* Public cloud
* Mixed cloud
* Hybrid cloud
* Private cloud

True or False: With AWS Organizations, you can use either just the Consolidated Billing feature, or all the offered features.

* False
* True

Which of the following are characteristics of cloud computing?

* Cloud charges are capital expenditures.
* Services are delivered via the Internet.
* Pay-as-you-go pricing
* On-demand delivery

True or False: There are more Regions than there are Availability Zones.

* True
* False

**Technology**

You need to find an item in a DynamoDB table using an attribute other than the item’s primary key. Which of the following operations should you use?

* **Scan**
* GET
* Query
* POST

In order to comply with regulatory mandates, some of your data needs to be retained in perpetuity. Which of the following AWS storage services offers low-cost, long-term data archival?

* EFS
* **Glacier**
* S3
* Redshift

ou need a “virtual hard disk” for your EC2 instance. Which of the following should you choose?

* S3
* DDB
* RDS
* **EBS**

Which of the following AWS services can assist you with cost optimization?

* AWS Shield
* AWS WAF
* AWS Inspector
* **AWS Trusted Advisor**

Which of the following are key components of Amazon Glacier?

* Table
* Volume
* Bucket
* **Archive**
* **Access Policy**
* **Vault**

Which of the following best describes EBS?

* A bitcoin-mining service
* A managed database service
* **A virtual hard-disk in the cloud**
* A NoSQL database service

Which of the following are steps you should take in securing your AWS account?

* Create a Root IAM role.
* **Create individual IAM users.**
* **Activate Multifactor Authentication (MFA) on your root account.**
* **Use roles to delegate access to IAM users.**

The load on your application fluctuates by day of the week. Wednesdays have the most traffic; Saturdays have the least traffic. Which AWS service allows you to ensure you have the correct amount of compute capacity while also optimizing on a cost basis?

* Trusted Advisor
* EC2 Container Service
* **Auto Scaling**
* CloudWatch

You need to run your code, but you don’t want to worry about provisioning or managing servers. Which of the following AWS services would you choose?

* **Lambda**
* Elastic Container Service
* VMware Cloud
* EC2

You need to implement an automated service that will scan your AWS environment with the goal of both improving security and reducing costs. Which service should you use?

* Config Rules
* **Trusted Advisor**
* Service Catalog
* CloudTrail

You’ve been tasked with assessing your AWS infrastructure in terms of cost optimization. Which of the following AWS services would help with this task?

* AWS Personal Health Dashboard
* AWS Systems Manager
* Cloud Trail
* **Trusted Advisor**

Which AWS service allows you to run code without having to worry about provisioning any underlying resources (such as virtual machines, databases etc.)

* DynamoDB
* **Lambda**
* EC2 Container Service
* EC2

With RDS, read-replicas are available for which of the following?

* MS SQLServer
* **MariaDB**
* **Oracle**
* **MySQL**
* **PostgreSQL**
* **Aurora**

You need to ensure that you have the correct number of EC2 instances available to handle the load for your application. Which AWS service should you use?

* **Auto Scaling**
* Elastic Load Balancer
* Application Load Balancer
* Route53

True or False: A Distribution is what we call a series of Edge Locations that make up CDN.

* False
* **True**

Which of the following is the document used to grant permissions to users, groups, and roles?

* Paradigm
* **Policy**
* Passbook
* Protocol

Which of the following is AWS' Data Warehousing service?

* Elastic Map Reduce
* Snowball
* **Redshift**
* S3 Big Data

Which of the following is not a compute service?

* Elastic Beanstalk
* **Elastic Block Store**
* Lambda
* EC2

When running a relational database on either your hardware or on an EC2 instance, you are responsible for which of the following?

* Operating system maintenance
* **All of these**
* Database backups and high-availability
* Data security
* Software install and patches

True or False: With DynamoDB, you can specify the amount of throughput you need for read and write operations.

* **True**
* False

Your application needs fully-managed storage for objects. Which of the following options should you choose?

* **S3**
* RDS
* EC2
* EBS

True or False: To restrict access to an entire bucket, you use bucket control lists; and to restrict access to an individual object, you use object policies.

* **False**
* True

our application needs a MySQL database, but you need better performance than you could get running MySQL on EC2. Which of the following AWS services should you consider?

* Redshift
* **Aurora**
* DynamoDB
* Neptune

**Security**

True or False: AWS is responsible for security in the cloud.

* True
* **False**

True or False: It’s best practice not to use IAM Roles for applications that run on EC2 instances.

* False
* **True**

Which of the following acts like built-in firewalls for your virtual servers?

* Route Tables
* **Security Groups**
* Network Access Control Lists
* Availability Zones

Which of the following are principles of sound design when it comes to security?

* Secure your physical resources.
* **Implement the Principle of Least Privilege**
* **Apply security at all layers.**
* **Enable traceability.**
* Apply security to your application only.

Which of the following are components of the AWS Risk and Compliance Program?

* Environment AutomationSelected
* Identity and Access Management
* **Control Environment**
* Physical Security
* Security Principles
* **Risk Management**
* **Information Security**

You need to use an AWS service to assess the security and compliance of your EC2 instances. Which of the following services should you use?

* AWS Trusted Advisor
* **AWS Inspector**
* AWS Shield
* AWS WAF

Which of the following AWS services can help you assess the fault-tolerance of your AWS environment?

* AWS Inspector
* AWS WAF
* AWS Shield
* **AWS Trusted Advisor**

Which of the following are components of IAM?

* Authorizer
* Authenticator
* **Permissions**
* **Roles**
* **Users**
* **Groups**
* Access controls

You are using your corporate directory to grant your users access to AWS services. What is this called?

* Role-based Access
* Multifactor Authentication Access
* **Federated Access**
* User Group Access

True or False: Customer responsibility for the security of services in the cloud vary by service.

* **True**
* False

True or False: Using IAM Groups is the recommended way to manage IAM users’ permissions by job function.

* False
* **True**

Which of the following AWS services controls Authentication and Authorization within an AWS account?

* **IAM**
* Access Control Lists
* AWS Shield
* Security Groups

Which of the following Compliance guarantees attests to the fact that the AWS Platform has met the standard required for the secure storage of medical records in the US?

* **HIPAA**
* HIPPA
* GLBA
* HITECH
* FERPA

Which of the following is AWS' managed DDoS protection service?

* Security Groups
* AWS WAF
* **AWS Shield**
* Access Control Lists

True or False: You use your Access Key and Secret Access Key to log into the AWS Management Console.

* **False**
* True