**Monitoring and Alerting Services on AWS - Course Quiz**

**Module 2 – Introduction to AWS**

1. **Which of the following is a broad and deep platform that helps customers to build sophisticated, scalable applications?**
2. **Distributed**
3. **Cloud**
4. **Soft**
5. **Parallel**

The correct answer is option b.

Explanation for correct answer:

* Cloud computing is a general term for the delivery of hosted services over the internet. It’s a broad and deep platform that helps customers to build sophisticated, scalable applications.

Explanation for Wrong answer:

* Distributed computing is a model in which components of a software system are shared among multiple computers to improve efficiency and performance.
* Soft Computing refers to a partnership of computational techniques in computer science.
* Parallel computing is a type of computation in which many calculations or the execution of processes are carried out simultaneously.

1. **The primary reason for the companies to adopt AWS and the cloud computing is its:**
   1. **Agility**
   2. **Slowness**
   3. **Stiffness**
   4. **Both option b and c**

The correct answer is option a.

Explanation for correct answer:

* The primary reason for the companies to adopt AWS and the cloud computing is its agility which means Faster than any other system.

Explanation for Wrong answer:

* The option B and C are antonyms for agility.

1. **In Amazon Web Services, a team of few people operates a large function, they call this team as:**
   1. **Large or “Large Pizza” Teams**
   2. **Large or “Large Bun” Teams**
   3. **Small or “Two Pizza” Teams**
   4. **Small or “Two Bun” Teams**

The correct answer is option c.

Explanation for correct answer:

* In Amazon Web Services, a team of few people operates a large function, they call this team as Small or “Two Pizza” Teams. It’s a Small, autonomous team which creates its own roadmap ownership and Decoupled launch schedules, to Get Core Functionality in the hands of customers, quickly.

Explanation for Wrong answer:

* The option a, b and d are not related to Amazon Web Services.

1. **Cloud computing is a \_\_\_\_\_\_\_ system and it is necessarily unidirectional in nature.**
2. **Stateless**
3. **Stateful**
4. **Reliable**
5. **Efficient**

The correct answer is option a.

Explanation for correct answer:

* Cloud computing is a stateless system, as is the Internet in general.

Explanation for Wrong answer:

* The option a, b and d are not related to Cloud computing.

1. **Is this statement true – “Amazon Aurora is the commercial-grade database engine at open-source cost.”**

The correct answer is True.

Explanation for correct answer:

* This statement is true. Amazon Aurora is the commercial-grade database engine at open-source cost. Some of the new features of Amazon aurora are:
* It is MySQL compatible
* 5X better performance than standard MySQL
* Available
* Durable and fault tolerant
* Highly scalable and secure
* Available through Amazon RDS.

Explanation for Wrong answer:

* This statement cannot be false. Because, Amazon Aurora is the commercial-grade database engine at open-source cost. Some of the new features of Amazon aurora are:
* It is MySQL compatible
* 5X better performance than standard MySQL
* Available
* Durable and fault tolerant
* Highly scalable and secure
* Available through Amazon RDS.

**Module 3 - Understanding Monitoring and Alerting Services on AWS**

1. **Pick the wrong statement:**
2. **The massive scale of cloud computing systems was enabled by the popularization of the Internet.**
3. **Soft computing represents a real paradigm shift in the way in which systems are deployed.**
4. **Cloud computing makes the long-held dream of utility computing possible with a pay-as-you-go, infinitely scalable, universally available system.**
5. **All of the mentioned.**

The correct answer is option b) – Soft computing represents a real paradigm shift in the way in which systems are deployed.

Explanation for correct answer:

* Cloud Computing is distinguished by the notion that resources are virtual and limitless and that details of the physical systems on which software runs are abstracted from the user.

Explanation for Wrong answer:

* Option a) is a correct statement, yes, the massive scale of cloud computing systems was enabled by the popularization of the Internet
* Option c) is a correct statement, yes, cloud computing makes the long-held dream of utility computing possible with a pay-as-you-go, infinitely scalable, universally available system
* You cannot select option d) as option a) and option b) are correct statements.

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a monitoring service for AWS cloud resources and the applications you run on AWS.**
2. **Amazon CloudWatch**
3. **Amazon Elastic Load Balancer**
4. **Amazon Elastic Block Store**
5. **Amazon EC2.**

The correct answer is option a) – Amazon CloudWatch

Explanation for correct answer:

* Amazon CloudWatch is a monitoring service for AWS cloud resources and the applications you run on AWS.

Explanation for Wrong answer:

* Amazon Elastic Load Balancing distributes incoming application traffic across multiple EC2
* Amazon Elastic Block Store provides block level storage volumes for use with EC2 instances
* Amazon EC2 is a web service that provides secure, resizable compute capacity in the cloud.

1. **The most important thing in AWS or any other cloud provider is how much to spend on \_\_\_\_\_\_\_\_\_\_\_\_\_.**
   1. **Analysis**
   2. **Designing**
   3. **Configuring**
   4. **Billing**

The correct answer is option d) – Billing

Explanation for correct answer:

* The most important thing in AWS or any other cloud provider is how much to spend on Billing. Billing is a crucial part of any cloud provider service we consume because their pay-as-you-go approach is one of the bestselling points they have.

Explanation for Wrong answer:

* Analysis is a factor to calculate billing
* Designing is not a part of billing
* Configuring is not part of billing

1. **Is this statement true, “In today’s Agility driven applications backed by cloud computing monitoring alone is sufficient.”**

The correct answer is FALSE.

Explanation for correct answer

* No, this statement is incorrect as Monitoring alone is not sufficient. Monitoring in the IT world is very crucial; monitoring gives the Administrator continuous inside view of the health of the services being monitored, but we must have some kind of alerting mechanism in place by which we can actually get timely information when a monitoring service detects something unusual.

Explanation for Wrong answer:

* Yes, this statement is incorrect as Monitoring alone is not sufficient. Monitoring in the IT world is very crucial; monitoring gives the Administrator continuous inside view of the health of the services being monitored, but we must have some kind of alerting mechanism in place by which we can actually get timely information when a monitoring service detects something unusual.

1. **Which of the following service covers the alerting part of AWS Services?**
   1. **AWS SNS**
   2. **Amazon CloudWatch**
   3. **Amazon EC2**
   4. **Amazon S3**

The correct answer is option a. AWS SNS

Explanation for correct answer

* AWS SNS stands for Simple Notification Services. AWS SNS is used to send notifications and alerts to our operations teams, if we detect some metrics fall outside of normal threshold values.

Explanation for Wrong answer:

* Amazon CloudWatch is a monitoring service for AWS cloud resources and the applications you run on AWS. You can use Amazon CloudWatch to collect and track metrics, collect and monitor log files, set alarms, and automatically react to changes in your AWS resources.
* Amazon EC2 is a web service that provides secure, resizable compute capacity in the cloud
* Amazon S3 stands for Amazon Simple Storage Service is object storage with a simple web service interface to store and retrieve any amount of data from anywhere on the web.

**Module 4 - Deep Dive into CloudWatch**

1. **Which of the following statement is true for AWS CloudWatch?**
   1. **AWS CloudWatch collects and monitors various metrics available to us within our AWS environment.**
   2. **AWS CloudWatch integrates seamlessly with many different AWS services.**
   3. **Using AWS CloudWatch, users can setup various alarms and notifications.**
   4. **All the above.**

The correct answer is option d. All the above

Explanation for correct answer:

* All the above statements are true as AWS CloudWatch collects and monitors various metrics available to us within our AWS environment. These metrics could be native to AWS services or they could be custom metrics emitted by our applications. It integrates seamlessly with many different AWS services and gives insight on the service’s performance and issues. And by using AWS CloudWatch, users can setup various alarms and notifications which can be triggered based on the metrics of our choice.

Explanation for Wrong answer:

* There is no wrong answer. All the three statements are true.

1. **\_\_\_\_\_\_ saves lot of time as it is prebuilt messaging service, which can be directly hooked with AWS CloudWatch.**
2. **RDS**
3. **ELB**
4. **SNS**
5. **EC2**

The correct answer is option c - SNS – Simple Notification Service

Explanation for correct answer:

* AWS SNS stands for Simple Notification Service (SNS). SNS is used for providing the notification alerting on AWS. It is prebuilt messaging service, which can be directly hooked with AWS CloudWatch. So, it saves lot of time.

Explanation for Wrong answer:

* Option a. AWS RDS stands for Relational Database Service. RDS is a PaaS service providing Relational Databases for applications.
* Option b. AWS ELB stands for Elastic Load Balancer. ELB is a Load balancer service provided by AWS.
* Option d. Amazon EC2 stands for Elastic Cloud Compute. EC2 is one of the Key IaaS Services available on AWS.

1. **AWS CloudWatch Alarms has three possible states. They are:**
2. **OK, ALARM, AND INSUFFICIENT DATA**
3. **OK, RESUME, AND INSUFFICIENT DATA**
4. **START, ALARM, AND RESUME**
5. **OK, ALARM, AND SUFFICIENT DATA**

The correct answer is option a - OK, ALARM, AND INSUFFICIENT DATA

Explanation for correct answer:

* AWS CloudWatch Alarms has three possible states. They are

OK when the metric is within the defined threshold.

ALARM when the metric is outside of the defined threshold.

INSUFFICIENT DATA when the alarm has just started, the metric is not available, or not enough data is available for the metric to determine the alarm state.

Explanation for Wrong answer:

* Option b. There is no RESUME state in AWS CloudWatch Alarms
* Option c. There is no START and RESUME state in AWS CloudWatch Alarms
* Option d. There is no SUFFICIENT DATA state in AWS CloudWatch Alarms.

1. **Is this statement true, “The CloudWatch cannot collect and monitor log files of AWS as well as other resources you might have”.**

The correct answer is False

Explanation for correct answer:

* Yes, this statement is false as CloudWatch can collect and track metrics from various AWS resources. It can collect and monitor log files of AWS as well as other resources in the application, which is making it as a one stop shop for all your monitoring needs.

Explanation for wrong answer:

* This statement cannot be true as CloudWatch can collect and track metrics from various AWS resources. It can collect and monitor log files of AWS as well as other resources in the application, which is making it as a one stop shop for all your monitoring needs.

1. **Is this statement true, “AWS CloudWatch Alarms are used to setup alarms based on CloudWatch metrics”**

The correct answer is True

Explanation for correct answer:

* Yes, this statement is true, as AWS CloudWatch Alarms are used to setup alarms based on CloudWatch metrics. As the alarm conditions are met and alarms are triggered – they can in turn take further actions like trigger specific jobs or notify the users as desired.

Explanation for wrong answer:

* This statement cannot be false, as AWS CloudWatch Alarms are used to setup alarms based on CloudWatch metrics. As the alarm conditions are met and alarms are triggered – they can in turn take further actions like trigger specific jobs or notify the users as desired.

**Module – 5 - Monitoring and Alerting for AWS - EC2 Instances**

1. **Amazon EC2 stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **Elastic Cloud Compute**
3. **Elastic Cloud Two**
4. **Elastic Clouding Compute**
5. **Elastic Cloud Computation**

The correct answer is option a - Elastic Cloud Compute

Explanation for correct answer:

* Amazon EC2 stands for Elastic Cloud Compute. It provides scalable computing capacity in the AWS cloud

Explanation for Wrong answer:

* Option b. – This is incorrect. In AWS, Amazon EC2 stands for Elastic Cloud Compute
* Option c. – This is incorrect. In AWS, Amazon EC2 stands for Elastic Cloud Compute
* Option d. – This is incorrect. In AWS, Amazon EC2 stands for Elastic Cloud Compute.

1. **The two different status checks which detect issues with an AWS instance are:**
2. **System status check and Non-system status check**
3. **System status check and Instance status check**
4. **System status check and Monitoring system check**
5. **Instance status check and Monitoring system check**

The Correct Answer is option b - System status check and Instance status check

Explanation for correct answer:

* There are two different status checks which detect issues with an AWS instances are provided. They are **System status check** for monitoring the AWS systems running behind the scenes for your AWS Instance **and Instance status check** for monitoring your AWS instance’s over network and software configuration.

Explanation for Wrong answer:

* Option a. – There is no status check available with the name Non-system status check
* Option c. – There is no status check available with the name Monitoring status check
* Option d. – There is no status check available with the name Monitoring status check.

1. **Is this statement true – “The Status checks are for monitoring your AWS instances over network and software configuration.”**

The Correct Answer is – True

Explanation for correct answer:

* Status checks for monitoring your AWS instances over network and software configuration. System Status Check provides an insight into the hardware backing up EC2 instances. Whenever there is incorrect networking or startup configuration or exhausted memory etc... can result in these checks being failed.

Explanation for wrong answer:

* Status checks for monitoring your AWS instances over network and software configuration. System Status Check provides an insight into the hardware backing up EC2 instances. Whenever there is incorrect networking or startup configuration or exhausted

1. **Which of the following metric identifies the processing power that’s required to run an application upon a selected instance.**
2. **CPUUtilization**
3. **DiskUtilization**
4. **NetworkUtilization**
5. **PowerUtilization**

The Correct Answer is – option a. CPUUtilization

Explanation for correct answer:

* The percentage of allocated EC2 compute units that are currently in use on the instance. This metric identifies the processing power required to run an application upon a selected instance.

Explanation for wrong answer:

* Option b. there is no such term – DiskUtilization
* Option c. there is no such term – NetworkUtilization
* Option d. there is no such term – PowerUtilization.

1. **Is this statement true – “By default, Amazon EC2 is configured to provide metrics at 5 minute intervals, but detailed metrics which provides metric data for every 1 minute can also be enabled with some extra charges”**

The Correct Answer is true.

Explanation for correct answer:

* Amazon CloudWatch provides a variety of key metrics for EC2 Instances. By default, Amazon EC2 is configured to provide metrics at 5 minute intervals, but detailed metrics which provides metric data for every 1 minute can also be enabled with some extra charges.

Explanation for wrong answer:

* Amazon CloudWatch provides a variety of key metrics for EC2 Instances. By default, Amazon EC2 is configured to provide metrics at 5 minute intervals, but detailed metrics which provides metric data for every 1 minute can also be enabled with some extra charges.

**Module 6 - *Monitoring and Alerting for AWS EBS***

1. **AWS EBS stands for\_\_\_\_\_\_\_\_\_\_\_**
   1. **Elastic Block Store**
   2. **Elastic Balancer Store**
   3. **Elastic Back Up Store**
   4. **Elastic Block Stabilizer**

The correct answer is option a - Elastic Block Store

Explanation for correct answer:

* AWS EBS stands for Elastic Block Store which provides a block level storage volume used with EC2 Instances. It means EBS volumes are used to backup EC2 Instances.

Explanation for Wrong answer:

* Option b. – This is incorrect. There is no such term present in AWS. AWS EBS stands for Elastic Block Store
* Option c. – This is incorrect. There is no such term present in AWS. AWS EBS stands for Elastic Block Store
* Option d. – This is incorrect. There is no such term present in AWS. AWS EBS stands for Elastic Block Store

1. **AWS provides two types of SSD volumes. They are:**
   1. **io1 and gp1**
   2. **ios and gps**
   3. **io1 and gp2**
   4. **io2 and gp2**

The correct answer is option C - io1 and gp2.

Explanation for correct answer:

* AWS provides two types of Solid State Drive volumes.

Type 1 – io1, is best suited for IOPS with Intensive and throughput intensive workloads.

Type 2 – gp2 , is a general purpose volume and is selected by default when creating EC2 instances

Explanation for Wrong answer:

* Option a. – This is incorrect. AWS does not provide Solid State Drive volumes with name gp1
* Option b. – This is incorrect. AWS does not provide Solid State Drive volumes with name ios and gps
* Option d. – This is incorrect. AWS does not provide Solid State Drive volumes with name io2.

1. **Is this statement true – “The Status Checks helps the end user to better track and manage potential inconsistencies in the data on an EBS volume”.**

The Correct Answer is – True.

Explanation for correct answer:

* One of the most important thing that EBS has for monitoring is Status Check. Status Checks help the end user to better track and manage potential inconsistencies in data on an EBS volume. They are automated tests that run every 5 minutes and return a pass or fail status for the EBS volume.

Explanation for wrong answer:

* One of the most important thing that EBS has for monitoring is Status Check. Status Checks help the end user to better track and manage potential inconsistencies in data on an EBS volume. They are automated tests that run every 5 minutes and return a pass or fail status for the EBS volume.

1. **CloudWatch has two tiers of metrics available for EBS volumes. They are:**
   1. **Basic metrics and Detail metrics**
   2. **Load metrics and Detail metrics**
   3. **Run metrics and Detail metrics**
   4. **Basic metrics and Load metrics**

The correct answer is option a - Basic metrics and Detail metrics.

Explanation for correct answer:

* CloudWatch has two tiers of metrics available for EBS volumes.
  + Basic metrics -> the metrics are available at 5 minute intervals
  + Detail metrics -> the metrics are available at 1 minute intervals.

Explanation for wrong answer:

* Option b – There is no metrics with the name Load
* Option c – There is no metrics with the name Run
* Option d – There is no metrics with the name Load

1. **Is this statement true, “When EBS determines that a volume’s data is potentially inconsistent, it disables the I/O to the volume from the EC2 instance by default”.**

The Correct Answer is – True

Explanation for correct answer:

* Yes, this statement is true, when EBS determines that a volume’s data is potentially inconsistent, it disables the I/O to the volume from the EC2 instance by default. This means that as soon as inconsistency is discovered by AWS, the volume gets automatically disconnected from every source it is connected to.

Explanation for wrong answer:

* This statement cannot be false, when EBS determines that a volume’s data is potentially inconsistent, it disables the I/O to the volume from the EC2 instance by default. This means that as soon as inconsistency is discovered by AWS, the volume gets automatically disconnected from every source it is connected to.

***Module 7: Monitoring and Alerting for AWS RDS***

1. **What is AWS RDS stands for?**
   1. **Rational Database Service**
   2. **Relational Database Service**
   3. **Resolution Database Service**
   4. **Revolution Database Service**

The correct answer is option b - Relational Database Service.

Explanation for correct answer:

* RDS stands for Relational Database Service. RDS is a PaaS service providing Relational Databases that makes it easier to set up, operate, and scale a relational database in the cloud.

Explanation for Wrong answer:

* Option a. – This is incorrect. RDS stands for Relational Database Service.
* Option c. – This is incorrect. RDS stands for Relational Database Service.
* Option d. – This is incorrect. RDS stands for Relational Database Service.

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1. **Which of the following is AWS RDS key metrics?**
2. **CPUUtilization, DatabaseConnections**
3. **FreeableMemory, FreeStorageSpace**
4. **ReadIOPS/WriteIOPS**
5. **All the above**

The correct answer is option d - all the above.

Explanation for correct answer:

* AWS RDS key metrics are
  + CPUUtilization is the percentage of CPU Utilized.
  + DatabaseConnections tell us the number of connections that are RDS Deployment currently has.
  + FreeableMemory is the amount of available RAM. Free Storage Space is the Amount of available storage space.
  + ReadIOPS/WriteIOPS, as IOPS Signify the number of I/O operations completed per second.

Explanation for Wrong answer:

* Option a. – This is incorrect. Because AWS RDS key metrics are CPU Utilization, Database Connections, Freeable Memory, Free Storage Space, Read IOPS/WriteI OPS.
* Option b. – This is incorrect. Because AWS RDS key metrics are CPU Utilization, Database Connections, Freeable Memory, Free Storage Space, Read IOPS/WriteI OPS.
* Option c. – This is incorrect. Because AWS RDS key metrics are CPU Utilization, Database Connections, Freeable Memory, Free Storage Space, Read IOPS/WriteI OPS.

1. **AWS CloudWatch Provides:**
   1. **Only CloudWatch Alarms**
   2. **Only CloudWatch Logs**
   3. **Only CloudWatch Events**
   4. **All three - CloudWatch Alarms, CloudWatch Logs, & CloudWatch Events**

The correct answer is option d - All three - CloudWatch Alarms, CloudWatch Logs, & CloudWatch Events.

Explanation for correct answer:

* AWS CloudWatch provides CloudWatch Alarms, CloudWatch Logs and CloudWatch Events to monitor and alert above RDS.

Explanation for Wrong answer:

* Option a. – This is incorrect. Because AWS CloudWatch provides all three - CloudWatch Alarms, CloudWatch Logs and CloudWatch Events to monitor and alert above RDS.
* Option b. – This is incorrect. Because AWS CloudWatch provides all three - CloudWatch Alarms, CloudWatch Logs and CloudWatch Events to monitor and alert above RDS.
* Option c. – This is incorrect. Because AWS CloudWatch provides all three - CloudWatch Alarms, CloudWatch Logs and CloudWatch Events to monitor and alert above RDS.

1. **Which of the following metrics is used to check the number of database connections in use.**
   1. **DiskQueueDepth**
   2. **DatabaseConnections**
   3. **ReadThroughput**
   4. **WriteThroughput**

The correct option is option b – DatabaseConnection.

Explanation for correct answer:

* Database Connections tell us the number of connections currently available in RDS Deployment. This means it is used to check the number of database connections in use.

Explanation for Wrong answer:

* Option a. – this metrics tell us the number of outstanding IOs (read/write requests) waiting to access the disk.
* Option c. – this metrics tells us the average number of bytes read from disk per second.
* Option d. – this metrics tells us the average number of bytes written to disk per second.

1. **The FreeStorageSpace metrics is used to** 
   1. **Determine the amount of currently available storage space**
   2. **Determine the amount of available random access memory**
   3. **Determine the number of outstanding IOs (read/write requests) waiting to access the disk**
   4. **Determine the amount of swap space used on the DB instance.**

The correct option is option a –Determine the amount of currently available storage space.

Explanation for correct answer:

* The FreeStorageSpace metrics is used to determine the amount of currently available storage space

Explanation for Wrong answer:

* Option b. – this is a FreeableMemory metrics
* Option c. – this is a DiskQueueDepth metrics
* Option d. – this is a SwapUsage metrics

***Module 8 - Monitoring and Alerting for AWS ELB***

1. **Is this statement true – “The AWS ELB stands for Effective Load Balance”.**

The Correct answer is FALSE.

Explanation for correct answer:

* ELB stands for Elastic Load balancer, it automatically distributes incoming application traffic across multiple Amazon EC2 instances.

Explanation for Wrong answer:

* ELB stands for Elastic Load balancer, it automatically distributes incoming application traffic across multiple Amazon EC2 instances.

1. **The backend connection errors are:**
   1. **Number of unsuccessful connections**
   2. **Number of successful connections**
   3. **Number of successful connection to ELB**
   4. **Number of unsuccessful connection to ELB**

The correct answer is option d - Number of unsuccessful connection to ELB.

Explanation for correct answer:

* Backend Connection Errors are the Number of unsuccessful connections between Elastic Load Balancer and the registered instances.

Explanation for Wrong answer:

* Option a. – This is incorrect. Because Backend Connection Errors are the Number of unsuccessful connections between Elastic Load Balancer and the registered instances
* Option b. – This is incorrect. Because Backend Connection Errors are the Number of unsuccessful connections between Elastic Load Balancer and the registered instances
* Option c. – This is incorrect. Because Backend Connection Errors are the Number of unsuccessful connections between Elastic Load Balancer and the registered instances.

1. **Is this statement true – “If the Surge Queue Length is full, then request gets dropped. This dropped request are called as Spillover”.**

The Correct answer is True.

Explanation for correct answer:

* Spillover Count is one of the key Metrics available for AWS ELB. If the Surge Queue Length is full, then request gets dropped. This dropped request are called as spillover.

Explanation for wrong answer:

* Spillover Count is one of the key Metrics available for AWS ELB. If the Surge Queue Length is full, then request gets dropped. This dropped request are called as spillover.

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ monitors the health of registered targets and routes traffic only to the healthy targets.**
   1. **RDS**
   2. **ELB**
   3. **SNS**
   4. **EC2**

The correct answer is option b - ELB

Explanation for correct answer:

* Elastic Load Balancing automatically distributes your incoming application traffic across multiple targets, such as EC2 instances. It monitors the health of registered targets and routes traffic only to the healthy targets.

Explanation for Wrong answer:

* Option a. AWS RDS stands for Relational Database Service. RDS is a PaaS service providing Relational Databases for applications.
* Option c. AWS SNS stands for Simple Notification Service. SNS is used for providing the notification alerting on AWS. It is prebuilt messaging service, which can be directly hooked with AWS CloudWatch.
* Option d. Amazon EC2 stands for Elastic Cloud Compute. EC2 is one of the Key IaaS Services available on AWS.

***Module 9 - AWS Monitoring and Alerting for Billing and Costs***

1. **What is key metrics of AWS Billing?**
   1. **Estimated Charges**
   2. **Total Charges**
   3. **Subtotal Charges**
   4. **Payable Charges**

The Correct answer is a - Estimated Charges

Explanation for correct answer:

* The one of the most important key metrics of AWS Billing is estimated charges, this metric is present by default and does not require the user to deploy a service on AWS.

Explanation for Wrong answer:

* Option b: There is no key metrics with the name Total Charges.
* Option c: There is no key metrics with the name Subtotal charges
* Option d: There is no key metrics with the name Payable charges.

1. **Is this statement true – “AWS is a Public Cloud Service which runs on Pay-as-you-go model”.**

The Correct answer is: TRUE.

Explanation for correct answer:

* Amazon web service is Public Cloud Service that provides us infrastructure and platform as service functionalities on pay as you go model.

Explanation for wrong answer:

* Amazon web service is Public Cloud Service that provides us infrastructure and platform as service functionalities on pay as you go model.

1. **Which of the following is not a choice to get Billing alerts in Billing and cost management section on AWS Console:**
   1. **Receive PDF invoice by Email**
   2. **Receive Billing Alerts**
   3. **Receive Billing Reports**
   4. **Receive Billing Vouchers**

The Correct answer is d - Receive Billing Vouchers.

Explanation for correct answer:

* To get Billing alerts, in the Billing and cost management, there are three choices available:
  + Receive PDF invoice by Email
  + Receive Billing Alerts – To be selected for AWS Billing Metrics.
  + Receive Billing Reports – Receive a daily billing report on the S3 bucket of your choice .

Explanation for Wrong answer:

* Option a: To get Billing alerts, in the Billing and cost management, this is one of the choices available - Receive PDF invoice by Email
* Option b: To get Billing alerts, in the Billing and cost management, this is one of the choices available - Receive Billing Alerts – this is to be selected for AWS Billing Metrics
* Option c: To get Billing alerts, in the Billing and cost management, this is one of the choices available - Receive Billing Reports – this is to Receive a daily billing report on the S3 bucket of your choice.

1. **Is this statement true – “Only the Root Account has the access to enable Billing alerts for that account”**

The Correct answer is True

Explanation for correct answer:

* Yes this statement is true. AWS has two types of accounts, one is the user account and another one is the root account but only the Root Account has the access to enable Billing alerts for that account**.**

Explanation for wrong answer:

* This statement cannot be false. AWS has two types of accounts, one is the user account and another one is the root account.But only the Root Account has the access to enable Billing alerts for that account**.**

1. **Which of the following is not a part of AWS Billing and Cost Management service that we use?**
   1. **To pay our AWS bill**
   2. **Monitor our usage**
   3. **Budget our costs**
   4. **Distributes incoming traffic**

The Correct answer is option d – monitor traffic.

Explanation for correct answer:

* Elastic Load balancer (ELB) is used to automatically distribute incoming application traffic across multiple Amazon EC2 instances.

Explanation for wrong answer:

* AWS Billing and Cost Management is the service that you use to pay your AWS bill, monitor your usage, and budget your costs
* AWS Billing and Cost Management is the service that you use to pay your AWS bill, monitor your usage, and budget your costs
* AWS Billing and Cost Management is the service that you use to pay your AWS bill, monitor your usage, and budget your costs.