CLF-C01 Demo

Topic 1, Exam Pool A

Question: 1

A retail company is migrating its IT infrastructure applications from on premises to the AWS Cloud. Which costs will the company eliminate with this migration? (Select TWO.)

A. Cost of data center operations
B. Cost of application licensing
C. Cost of marketing campaigns
D. Cost of physical server hardware
E. Cost of network management

Answer: A, D

Explanation:

Question: 2

Which AWS services can use AWS WAF to protect against common web exploitations? (Select TWO.)

A. Amazon Route 53
B. Amazon CloudFront
C. AWS Transfer Family
D. AWS Site-to-Site VPN
E. Amazon API Gateway

Answer: B, E

Explanation:

AWS WAF can be deployed on Amazon CloudFront, the Application Load Balancer (ALB), Amazon API Gateway, and AWS AppSync. As part of Amazon CloudFront it can be part of your Content Distribution Network (CDN) protecting your resources and content at the Edge locations.

Question: 3

A company needs a centralized, secure way to create and manage cryptographic keys. The company will use the keys across a wide range of AWS services and applications. The company needs to track and document when the keys are created, used, and deleted.
Which AWS service or feature will meet these requirements?

A. AWS Secrets Manager
B. AWS License Manager
C. AWS Systems Manager Parameter Store
D. AWS Key Management Service (AWS KMS)

Answer: D

Explanation:

AWS Key Management Service (AWS KMS) makes it easy for you to create and manage cryptographic keys and control their use across a wide range of AWS services and in your applications. AWS KMS is a secure and resilient service that uses hardware security modules that have been validated under FIPS 140-2, or are in the process of being validated, to protect your keys. AWS KMS is integrated with AWS CloudTrail to provide you with logs of all key usage to help meet your regulatory and compliance needs.

Question: 4

A company needs steady and predictable performance from its Amazon EC2 instances at the lowest possible cost. The company also needs the ability to scale resources to ensure that it has the right resources available at the right time.
Which AWS service or resource will meet these requirements?

A. Amazon CloudWatch
B. Application Load Balancer
C. AWS Batch
D. Amazon EC2 Auto Scaling

Answer: D

Explanation:

AWS Auto Scaling monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost.

Question: 5

A company runs a web application on Amazon EC2 instances. The application must run constantly and is expected to run indefinitely without interruption.
Which EC2 instance purchasing options will meet these requirements MOST cost-effectively? (Select TWO.)

A. On-Demand Instances
B. Spot Instances.

C. Reserved Instances
D. Savings Plans
E. Dedicated Hosts

Answer: C, D

Explanation:

Amazon EC2 provides the following purchasing options to enable you to optimize your costs based on your needs:
*On-Demand Instances – Pay, by the second, for the instances that you launch.
*Savings Plans – Reduce your Amazon EC2 costs by making a commitment to a consistent amount of usage, in USD per hour, for a term of 1 or 3 years.
*Reserved Instances – Reduce your Amazon EC2 costs by making a commitment to a consistent instance configuration, including instance type and Region, for a term of 1 or 3 years.
*Spot Instances – Request unused EC2 instances, which can reduce your Amazon EC2 costs significantly.
*Dedicated Hosts – Pay for a physical host that is fully dedicated to running your instances, and bring your existing per-socket, per-core, or per-VM software licenses to reduce costs.
*Dedicated Instances – Pay, by the hour, for instances that run on single-tenant hardware.
*Capacity Reservations – Reserve capacity for your EC2 instances in a specific Availability Zone for any duration.
If you require a capacity reservation, purchase Reserved Instances or Capacity Reservations for a specific Availability Zone. Spot Instances are a cost-effective choice if you can be flexible about when your applications run and if they can be interrupted. Dedicated Hosts or Dedicated Instances can help you address compliance requirements and reduce costs by using your existing server-bound software licenses.