AWS KCler

SECURITY KC

What is the goal of identity management?

Detect security threats and notify users

Identify all systems that can be accessed by users

Manage the responses to security threats based on user type

Administer users and their access permissions

Which security steps are performed during a typical login? (Select TWO.)

Authentication

Consolidation

Authorization

Prevention

Activation

What is an example of an authentication factor?

Encryption algorithm

Multi-factor authentication (MFA)

Authentication server

Firewall policy

Where do you define the actions that may or may not be performed by a user?

In the AWS Identity and Access Management (IAM) user settings

In a policy document attached to the user

In the settings for the group that the user was added to

In a permissions document

What is a best practice for identity management?

Implement password policies.

Avoid single sign-on.

Manage passwords manually.

Use group accounts.

Which infection methods does malware use? (Select TWO.)

Fingerprint

Removable device

Building access card

Untrusted website

Junk mail

Which option is a countermeasure against malware?

Scan systems regularly.

Monitor routers.

Log user access.

Scale virtual servers.

What is a best practice when using antivirus software?

Switch antivirus programs frequently.

Scan only the computer's memory.

Report scan findings to the antivirus vendor consistently.

Update virus definition files regularly.

Where can you install an intrusion detection system? (Select TWO.)

On a router

On a server

On a network

On a firewall

On a network interface card

What is a data source that Amazon GuardDuty uses to analyze and detect threats?

Firewall alerts

Email notifications

Virtual private cloud (VPC) flow logs

Antivirus scan findings

What is AWS CloudTrail?

A web service that uses log files to record Amazon Web Service (AWS) events

A web service that controls other Amazon Web Services (AWS) services through application programming interface (API) calls

A web service that manages users and permissions

A web service that assesses application vulnerabilities

What are the key benefits of AWS CloudTrail? (Select TWO.)

It provides visibility by recording user and resource activities.

It improves application security by filtering inbound and outbound data.+

It simplifies compliance audits by recording activities and events into logs files.

It simplifies threat detection by detecting malicious activities.+

It gives customers the ability to migrate on-premises applications to the Amazon Web Services (AWS) Cloud.

Which types of information do AWS CloudTrail events capture when a user performs a service request? (Select TWO.)

The Amazon Web Services (AWS) events that the user request invokes+

The cost of the call to the service+

The size of the request in kilobytes (KB)

The user who performed the request

The IP address where the request originated

Which statements are best practices for working with AWS CloudTrail? (Select TWO.)

Aggregate log files to a single Amazon Simple Storage Service (Amazon S3) bucket.

Turn on file integrity validation for CloudTrail.

Integrate CloudTrail with Amazon Elastic Compute Cloud (Amazon EC2).+

Integrate CloudTrail with AWS Lambda.+

Ensure that CloudTrail is available in only one Amazon Web Services (AWS) Region.

Why is integrating AWS CloudTrail with Amazon CloudWatch considered a good practice?

CloudWatch monitors and reacts to events recorded in CloudTrail log files.+

CloudWatch transforms CloudTrail log files into a file format that the user defines.

CloudWatch secures access to CloudTrail log files.

Users can use CloudWatch to store CloudTrail log files.

What is AWS Config?

A tool that helps reduce cost

A tool that logs application programming interface (API) calls to Amazon Web Services (AWS) services in log files

A tool that tracks changes to resources

A tool that provides advice on how to secure networks on Amazon Web Services (AWS)

What are features of AWS Config? (Select TWO.)

Retrieve inventory of Amazon Web Services (AWS) resources.

Send notifications when a configuration change has occurred in an Amazon Web Services (AWS) resource.

Send a notification when a threat to Amazon Web Services (AWS) resources is detected.

Check for service usage to see the limits of the service.

Provide users the ability to set up more secure security groups.

Which tool can customers use to define custom rules for AWS Config?

AWS CloudFormation

AWS Elastic Beanstalk

Amazon API Gateway

AWS Lambda

What are actions that AWS Config takes when a configuration change occurs on an Amazon Web Services (AWS) service? (Select TWO.)

AWS Config calls AWS Trusted Advisor to assess the security level of applications.

AWS Config uses Amazon Simple Notification Service (Amazon SNS) to send a notification.

AWS Config calls AWS CloudTrail to log the change into log files.

AWS Config logs and then stores the change in an Amazon Simple Storage Service (Amazon S3) bucket.

AWS Config corrects the change if it violates an Amazon Web Services (AWS) rule.

When is an AWS Config rule associated with a resource evaluated?

When the resource is started

When the resource's configuration is changed

When the resource is stopped

When an AWS Lambda function initiates the evaluation

Which type of requirements do security compliance standards address? (Select TWO.)

Regulatory

Cost

Billing

Accounting

Contractual

Which type of compliance violation can result in criminal penalties?

Best practices

Open standards

Government regulations

Productivity level

Which statement accurately identifies who is responsible for satisfying security compliance requirements in the Amazon Web Services (AWS) Cloud?

The customer is solely responsible for satisfying compliance standards.

The customer and AWS share the responsibility for satisfying compliance standards.

AWS is solely responsible for satisfying compliance standards.

The customer, AWS, and third-party partners are responsible for satisfying compliance standards.

What is a goal of the Amazon Web Services (AWS) business risk management program?

Provide security training to AWS customers

Analyze security breaches

Scan customer applications once per year

Create and maintain security policies

How does Amazon Web Services (AWS) share security information? (Select TWO.)

By publishing control practices in a newsletter that customers can subscribe to

By publishing information about AWS security in technical papers

By making the information available through the AWS Artifact portal

By providing all documentation for AWS security compliance on the AWS website

By publishing third-party independent audit reports as requested by customers

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What is a computer program?

A language that all computers understand and process

A text file with instructions for the computer that are written in a programming language

A graphic document that describes the flow of instructions that a computer can run

A cloud service that translates human-friendly instructions into machine code

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How does a program that is written in a compiled language run?

Each statement in the program is translated into machine code and run one at a time.

The file that contains the program is compressed before it is run.

The entire program is first translated into machine code before it is run

The statements in the program are run without any translation.

Which process represents the practice of writing software iteratively?

Write a little > Test it > Write a little more > Test it.

Write everything > Test everything.

Write a little > Test it > Write the rest.

Test a little > Write everything > Test a little.

Which type of tool helps with managing updates and coordinating access to source code?

Email

Version control

Backup

Instant messaging

Which option is a version control tool?

Vim

AWS CloudTrail

PyCharm

Git

Which languages are considered to be interpreted languages? (Select TWO.)

GoLang

C++

Python

JavaScript

C

What are the benefits of using an integrated development environment (IDE) instead of a text editor to write code? (Select TWO.)

IDEs offer a visual approach to software development.

IDEs highlight incorrect syntax.

IDEs convert code that is written in any programming language into Python.

IDEs offer the option to compile or interpret Python.

IDEs suggest fixes for issues.

How do you declare an integer variable in Python?

int daysInWeek = 7

integer daysInWeek = 7

daysinWeek = 7

var daysInWeek = 7

Which Python keyword is used for loop control flow mechanisms?

switch

if

for

in

Which Python keywords are conditional control flow statements? (Select TWO.)

if

for

elif

is

in

A Python developer is creating a new identifier to store a name. How can the developer name this variable?

(Select TWO.)

customerName1

1customerName

%customerName%

@customerName

theCustomersFamilyName

What are immutable data types? (Select TWO.)

Lists

Strings

Dictionaries

Integers

Byte arrays

How can a developer declare a string identifier? (Select TWO.)

msg = "I'm a message"

#msg = "I'm a message"

string msg = "I'm a message"

string msg = '''I'm a message'''

msg = "I'm a " + "message"

What is the result of the following operation: print (2*3+3**2)

144

15

12

A developer declared the following identifier: msg = "The answer is: " Which action would raise an exception ?

msg2 = msg + 12

msg2 = msg + "AWS " + 'Rocks!'*

msg2 = msg*

msg2 = msg + '''12'''*

Which sequences of flow-control constructs represent conditional statements? (Select TWO.)

if/else

if/elif/else

if

elif/else

if/elif

Which built-in Python function includes a prompt that users can use to enter a value?

print()

dict()

input()

dir()

What is the main reason for creating functions?

Reusability

Security

Ability to use another language in Python code

Ability to overwrite built-in functions

What is an efficient way to find and fix errors in a running application?

Log as many messages as possible in files.

Use the print() method to display how the application is running.

Use a debugging tool for static analysis.

Use a debugging tool for dynamic analysis.

What are the advantages of performing static code analysis instead of dynamic analysis? (Select TWO.)

Bugs can be detected early in the development process.

The exact location of code issues can be identified.

It can be done at runtime.

Compiled applications can be reviewed even if code is not accessible.

It offers a step-by-step analysis of the code runtime.

What is the purpose of assertions?

To raise errors under certain conditions at runtime

To log a message when an issue occurs

To provide a method for writing if statements in a different way

To provide optimization techniques so that code runs faster

Which type of test is the smallest testable part of application?

Integration tests

Unit tests

System tests

Acceptance tests

What is DevOps ?

A set of tools to build and test software

An agile method to develop software in short cycles

A set of practices and a culture that help automate and monitor software development

An organization of software developers who participate in software development and software operations

Which type of culture is associated with entrepreneurship and innovation?

Collaborative culture

Market culture

Adhocratic culture

Hierarchical culture

Which phases are part of continuous delivery? (Select TWO.)

Code

Build

Release

Deploy

Plan

Which tool checks for errors and ensures that Python code is well-formatted?

pylint

pyenv

pytest

pip