

# ISC2

## Exam Questions CCSP

Certified Cloud Security Professional



#### NEW QUESTION 1

- (Exam Topic 1)

Vulnerability scans are dependent on \_\_\_\_\_ in order to function. Response:

- A. Privileged access
- B. Vulnerability signatures
- C. Malware libraries
- D. Forensic analysis

**Answer: B**

#### NEW QUESTION 2

- (Exam Topic 1)

\_\_\_\_\_ can often be the result of inadvertent activity. Response:

- A. DDoS
- B. Phishing
- C. Sprawl
- D. Disasters

**Answer: C**

#### NEW QUESTION 3

- (Exam Topic 1)

DLP can be combined with what other security technology to enhance data controls? Response:

- A. DRM
- B. SIEM
- C. Kerberos
- D. Hypervisors

**Answer: A**

#### NEW QUESTION 4

- (Exam Topic 1)

Which strategy involves using a fake production system to lure attackers in order to learn about their tactics? Response:

- A. IDS
- B. Honeypot
- C. IPS
- D. Firewall

**Answer: B**

#### NEW QUESTION 5

- (Exam Topic 1)

Which cloud storage type uses an opaque value or descriptor to categorize and organize data? Response:

- A. Volume
- B. Object
- C. Structured
- D. Unstructured

**Answer: D**

#### NEW QUESTION 6

- (Exam Topic 1)

All of the following are usually nonfunctional requirements except \_\_\_\_\_. Response:

- A. Color
- B. Sound
- C. Security
- D. Function

**Answer: D**

#### NEW QUESTION 7

- (Exam Topic 1)

Which of the following is characterized by a set maximum capacity? Response:

- A. A secret-sharing-made-short (SSMS) bit-splitting implementation
- B. A tightly coupled cloud storage cluster
- C. A loosely coupled cloud storage cluster

D. A public-key infrastructure

**Answer:** B

#### NEW QUESTION 8

- (Exam Topic 1)

The Cloud Security Alliance (CSA) publishes the Notorious Nine, a list of common threats to organizations participating in cloud computing. According to the CSA, what is one reason the threat of insecure interfaces and APIs is so prevalent in cloud computing?

Response:

- A. Cloud customers and third parties are continually enhancing and modifying APIs.
- B. APIs can have automated settings.
- C. It is impossible to uninstall APIs.
- D. APIs are a form of malware.

**Answer:** A

#### NEW QUESTION 9

- (Exam Topic 1)

The cloud deployment model that features organizational ownership of the hardware and infrastructure, and usage only by members of that organization, is known as:

Response:

- A. Private
- B. Public
- C. Hybrid
- D. Motive

**Answer:** A

#### NEW QUESTION 10

- (Exam Topic 1)

Which of the following is a risk in the cloud environment that is not existing or is as prevalent in the legacy environment?

Response:

- A. Legal liability in multiple jurisdictions
- B. Loss of productivity due to DDoS
- C. Ability of users to gain access to their physical workplace
- D. Fire

**Answer:** A

#### NEW QUESTION 10

- (Exam Topic 1)

Egress monitoring solutions usually include a function that \_\_\_\_\_.

Response:

- A. Uses biometrics to scan users
- B. Inspects incoming packets
- C. Resides on client machines
- D. Uses stateful inspection

**Answer:** C

#### NEW QUESTION 11

- (Exam Topic 1)

The Open Web Application Security Project (OWASP) Top Ten is a list of web application security threats that is composed by a member-driven OWASP committee of application development experts and published approximately every 24 months. The 2013 OWASP Top Ten list includes “cross-site scripting (XSS).” Which of the following is not a method for reducing the risk of XSS attacks? Response:

- A. Use an auto-escaping template system.
- B. XML escape all identity assertions.
- C. Sanitize HTML markup with a library designed for the purpose.
- D. HTML escape JSON values in an HTML context and read the data with JSON.parse.

**Answer:** B

#### NEW QUESTION 14

- (Exam Topic 1)

Which of the following storage types are used with an Infrastructure as a Service (IaaS) solution? Response:

- A. Volume and block
- B. Structured and object
- C. Unstructured and ephemeral
- D. Volume and object

**Answer:** D

#### NEW QUESTION 15

- (Exam Topic 1)

Different types of cloud deployment models use different types of storage from traditional data centers, along with many new types of software platforms for deploying applications and configurations. Which of the following is NOT a storage type used within a cloud environment?

- A. Docker
- B. Object
- C. Structured
- D. Volume

**Answer:** A

#### NEW QUESTION 17

- (Exam Topic 1)

Which of the following practices can enhance both operational capabilities and configuration management efforts?

Response:

- A. Regular backups
- B. Constant uptime
- C. Multifactor authentication
- D. File hashes

**Answer:** D

#### NEW QUESTION 19

- (Exam Topic 1)

Which of the following data sanitation methods would be the MOST effective if you needed to securely remove data as quickly as possible in a cloud environment?

Response:

- A. Zeroing
- B. Cryptographic erasure
- C. Overwriting
- D. Degaussing

**Answer:** B

#### NEW QUESTION 22

- (Exam Topic 1)

One of the security challenges of operating in the cloud is that additional controls must be placed on file storage systems because \_\_\_\_\_ .

Response:

- A. File stores are always kept in plain text in the cloud
- B. There is no way to sanitize file storage space in the cloud
- C. Virtualization necessarily prevents the use of application-based security controls
- D. Virtual machines are stored as snapshotted files when not in use

**Answer:** D

#### NEW QUESTION 27

- (Exam Topic 1)

You are the security manager for a software development firm. Your company is interested in using a managed cloud service provider for hosting its testing environment. Previous releases have shipped with major flaws that were not detected in the testing phase; leadership wants to avoid repeating that problem. What tool/technique/technology might you suggest to aid in identifying programming errors?

- A. Vulnerability scans
- B. Open source review
- C. SOC audits
- D. Regulatory review

**Answer:** B

#### NEW QUESTION 31

- (Exam Topic 1)

Which of the following management risks can make an organization's cloud environment unviable? Response:

- A. Insider trading
- B. VM sprawl
- C. Hostile takeover
- D. Improper personnel selection

**Answer:** B

#### NEW QUESTION 34

- (Exam Topic 1)

Heating, ventilation, and air conditioning (HVAC) systems cool the data center by pushing warm air into \_\_\_\_\_.

Response:

- A. The server inlets
- B. Underfloor plenums
- C. HVAC intakes
- D. The outside world

**Answer:** D

**NEW QUESTION 37**

- (Exam Topic 1)

Which standards body depends heavily on contributions and input from its open membership base? Response:

- A. NIST
- B. ISO
- C. ICANN
- D. CSA

**Answer:** D

**NEW QUESTION 40**

- (Exam Topic 1)

The use of which of the following technologies will NOT require the security dependency of an operating system, other than its own?

- A. Management plane
- B. Type 1 hypervisor
- C. Type 2 hypervisor
- D. Virtual machine

**Answer:** B

**NEW QUESTION 41**

- (Exam Topic 1)

Data labels could include all the following, except: Response:

- A. Confidentiality level
- B. Distribution limitations
- C. Access restrictions
- D. Multifactor authentication

**Answer:** D

**NEW QUESTION 45**

- (Exam Topic 2)

While an audit is being conducted, which of the following could cause management and the auditors to change the original plan in order to continue with the audit? Response:

- A. Cost overruns
- B. Impact on systems
- C. Regulatory changes
- D. Software version changes

**Answer:** A

**NEW QUESTION 46**

- (Exam Topic 2)

What is the intellectual property protection for the logo of a new video game? Response:

- A. Copyright
- B. Patent
- C. Trademark
- D. Trade secret

**Answer:** C

**NEW QUESTION 48**

- (Exam Topic 2)

Which SSAE 16 audit report is simply an attestation of audit results? Response:

- A. SOC 1
- B. SOC 2, Type 1
- C. SOC 2, Type 2
- D. SOC 3

**Answer:** D

**NEW QUESTION 50**

- (Exam Topic 2)

A bare-metal hypervisor is Type \_\_\_\_\_.

Response:

- A. 1
- B. 2
- C. 3
- D. 4

**Answer:** A

#### NEW QUESTION 53

- (Exam Topic 2)

Which type of threat is often used in conjunction with phishing attempts and is often viewed as greatly increasing the likeliness of success?

Response:

- A. Unvalidated redirects and forwards
- B. Cross-site request forgery
- C. Cross-site scripting
- D. Insecure direct object references

**Answer:** A

#### NEW QUESTION 57

- (Exam Topic 2)

Which of the following would probably best aid an organization in deciding whether to migrate from a legacy environment to a particular cloud provider?

Response:

- A. Rate sheets comparing a cloud provider to other cloud providers
- B. Cloud provider offers to provide engineering assistance during the migration
- C. The cost/benefit measure of closing the organization's relocation site (hot site/warm site) and using the cloud for disaster recovery instead
- D. SLA satisfaction surveys from other (current and past) cloud customers

**Answer:** D

#### NEW QUESTION 58

- (Exam Topic 2)

What is the most secure form of code testing and review? Response:

- A. Open source
- B. Proprietary/internal
- C. Neither open source nor proprietary
- D. Combination of open source and proprietary

**Answer:** D

#### NEW QUESTION 59

- (Exam Topic 2)

Tokenization requires at least \_\_\_\_\_ database(s).

Response:

- A. One
- B. Two
- C. Three
- D. Four

**Answer:** B

#### NEW QUESTION 63

- (Exam Topic 2)

At which phase of the SDLC process should security begin participating? Response:

- A. Requirements gathering
- B. Requirements analysis
- C. Design
- D. Testing

**Answer:** A

#### NEW QUESTION 64

- (Exam Topic 2)

Data transformation in a cloud environment should be of great concern to organizations considering cloud migration because \_\_\_\_\_ could affect data classification processes/implementations.

Response:

- A. Multitenancy
- B. Virtualization

- C. Remote access
- D. Physical distance

**Answer:** B

**NEW QUESTION 69**

- (Exam Topic 2)

What is a cloud storage architecture that manages the data in a hierarchy of files? Response:

- A. Object-based storage
- B. File-based storage
- C. Database
- D. CDN

**Answer:** B

**NEW QUESTION 70**

- (Exam Topic 2) What are SOCI/SOCII/SOCIII? Response:

- A. Risk management frameworks
- B. Access controls
- C. Audit reports
- D. Software development phases

**Answer:** C

**NEW QUESTION 74**

- (Exam Topic 2)

What type of software is often considered secured and validated via community knowledge? Response:

- A. Proprietary
- B. Object-oriented
- C. Open source
- D. Scripting

**Answer:** C

**NEW QUESTION 79**

- (Exam Topic 2)

You are the security subject matter expert (SME) for an organization considering a transition from the legacy environment into a hosted cloud provider's data center.

One of the challenges you're facing is whether the provider will have undue control over your data once it is within the provider's data center; will the provider be able to hold your organization hostage because they have your data?

This is a(n) \_\_\_\_\_ issue. Response:

- A. Interoperability
- B. Portability
- C. Availability
- D. Security

**Answer:** B

**NEW QUESTION 83**

- (Exam Topic 2)

Which of the following in a federated environment is responsible for consuming authentication tokens? Response:

- A. Relying party
- B. Identity provider
- C. Cloud services broker
- D. Authentication provider

**Answer:** A

**NEW QUESTION 85**

- (Exam Topic 2)

When designing a cloud data center, which of the following aspects is not necessary to ensure continuity of operations during contingency operations? Response:

- A. Access to clean water
- B. Broadband data connection
- C. Extended battery backup
- D. Physical access to the data center

**Answer:** C

**NEW QUESTION 90**

- (Exam Topic 2)

Which type of testing tends to produce the best and most comprehensive results for discovering system vulnerabilities?

Response:

- A. Static
- B. Dynamic
- C. Pen
- D. Vulnerability

**Answer:** A

**NEW QUESTION 91**

- (Exam Topic 2)

You have been tasked by management to offload processing and validation of incoming encoded data from your application servers and their associated APIs.

Which of the following would be the most appropriate device or software to consider?

Response:

- A. XML accelerator
- B. XML firewall
- C. Web application firewall
- D. Firewall

**Answer:** A

**NEW QUESTION 96**

- (Exam Topic 2)

A denial of service (DoS) attack can potentially impact all customers within a cloud environment with the continued allocation of additional resources. Which of the following can be useful for a customer to protect themselves from a DoS attack against another customer?

Response:

- A. Limits
- B. Reservations
- C. Shares
- D. Borrows

**Answer:** B

**NEW QUESTION 98**

- (Exam Topic 2)

What is the primary security mechanism used to protect SOAP and REST APIs? Response:

- A. Firewalls
- B. XML firewalls
- C. Encryption
- D. WAFs

**Answer:** C

**NEW QUESTION 103**

- (Exam Topic 2)

Your organization is developing software for wide use by the public. You have decided to test it in a cloud environment, in a PaaS model. Which of the following should be of particular concern to your organization for this situation?

Response:

- A. Vendor lock-in
- B. Backdoors
- C. Regulatory compliance
- D. High-speed network connectivity

**Answer:** B

**NEW QUESTION 108**

- (Exam Topic 2)

Which of the following data protection methodologies maintains the ability to connect back values to the original values?

Response:

- A. Tokenization
- B. Anonymization
- C. Obfuscation
- D. Dynamic mapping

**Answer:** A

**NEW QUESTION 110**

- (Exam Topic 3)

Which of the following is NOT one of the security domains presented within the Cloud Controls Matrix? Response:



- A. Financial security
- B. Mobile security
- C. Data center security
- D. Interface security

**Answer:** A

**NEW QUESTION 111**

- (Exam Topic 3)

You work for a company that operates a production environment in the cloud. Another company using the same cloud provider is under investigation by law enforcement for racketeering.

Your company should be concerned about this because of the cloud characteristic of . Response:

- A. Virtualization
- B. Pooled resources
- C. Elasticity
- D. Automated self-service

**Answer:** B

**NEW QUESTION 112**

- (Exam Topic 3)

The BCDR plan/process should be written and documented in such a way that it can be used by \_\_\_\_\_.

Response:

- A. Users
- B. Essential BCDR team members
- C. Regulators
- D. Someone with the requisite skills

**Answer:** D

**NEW QUESTION 116**

- (Exam Topic 3)

If bit-splitting is used to store data sets across multiple jurisdictions, how may this enhance security? Response:

- A. By making seizure of data by law enforcement more difficult
- B. By hiding it from attackers in a specific jurisdiction
- C. By ensuring that users can only accidentally disclose data to one geographic area
- D. By restricting privilege user access

**Answer:** A

**NEW QUESTION 118**

- (Exam Topic 3)

Digital rights management (DRM) tools can be combined with \_\_\_\_\_, to enhance security capabilities. Response:

- A. Roaming identity services (RIS)
- B. Egress monitoring solutions (DLP)
- C. Internal hardware settings (BIOS)
- D. Remote Authentication Dial-In User Service (RADIUS)

**Answer:** B

**NEW QUESTION 119**

- (Exam Topic 3)

The ISO/IEC 27001:2013 security standard contains 14 different domains that cover virtually all areas of IT operations and procedures. Which of the following is NOT one of the domains listed in the standard?

Response:

- A. Legal
- B. Management
- C. Assets
- D. Supplier Relationships

**Answer:** A

**NEW QUESTION 120**

- (Exam Topic 3)

Which of the following data-sanitation approaches are always available within a cloud environment? Response:

- A. Physical destruction
- B. Shredding
- C. Overwriting
- D. Cryptographic erasure

**Answer:** D

#### NEW QUESTION 124

- (Exam Topic 3)

You are developing a new process for data discovery for your organization and are charged with ensuring that all applicable data is included. Which of the following is NOT one of the three methods of data discovery?

Response:

- A. Metadata
- B. Content analysis
- C. Labels
- D. Classification

**Answer: D**

#### NEW QUESTION 129

- (Exam Topic 3)

The Cloud Security Alliance (CSA) publishes the Notorious Nine, a list of common threats to organizations participating in cloud computing. A cloud customer that does not perform sufficient due diligence can suffer harm if the cloud provider they've selected goes out of business.

What do we call this problem? Response:

- A. Vendor lock-in
- B. Vendor lock-out
- C. Vendor incapacity
- D. Unscaled

**Answer: B**

#### NEW QUESTION 134

- (Exam Topic 3)

What type of redundancy can we expect to find in a datacenter of any tier?

Response:

- A. All operational components
- B. All infrastructure
- C. Emergency egress
- D. Full power capabilities

**Answer: C**

#### NEW QUESTION 135

- (Exam Topic 3)

When using an Infrastructure as a Service (IaaS) solution, what is the capability provided to the customer? Response:

- A. To provision processing, storage, networks, and other fundamental computing resources when the consumer is not able to deploy and run arbitrary software, which can include operating systems and applications.
- B. To provision processing, storage, networks, and other fundamental computing resources when the provider is able to deploy and run arbitrary software, which can include operating systems and applications.
- C. To provision processing, storage, networks, and other fundamental computing resources when the auditor is able to deploy and run arbitrary software, which can include operating systems and applications.
- D. To provision processing, storage, networks, and other fundamental computing resources when the consumer is able to deploy and run arbitrary software, which can include operating systems and applications.

**Answer: D**

#### NEW QUESTION 138

- (Exam Topic 3)

FM-200 has all the following properties except \_\_\_\_\_.

Response:

- A. It's nontoxic at levels used for fire suppression
- B. It's gaseous at room temperature
- C. It may deplete the Earth's ozone layer
- D. It does not leave a film or coagulant after use

**Answer: C**

#### NEW QUESTION 141

- (Exam Topic 3)

All of these are reasons an organization may want to consider cloud migration except: Response:

- A. Reduced personnel costs
- B. Elimination of risks
- C. Reduced operational expenses
- D. Increased efficiency

**Answer: B**

#### NEW QUESTION 146

- (Exam Topic 3)

Virtual machine (VM) configuration management (CM) tools should probably include \_\_\_\_\_.

Response:

- A. Biometric recognition
- B. Anti-tampering mechanisms
- C. Log file generation
- D. Hackback capabilities

**Answer: C**

#### NEW QUESTION 147

- (Exam Topic 3)

Which of the following is not included in the OWASP Top Ten web application security threats? Response:

- A. Injection
- B. Cross-site scripting
- C. Internal theft
- D. Sensitive data exposure

**Answer: C**

#### NEW QUESTION 148

- (Exam Topic 3)

Anonymization is the process of removing from data sets. Response:

- A. Access
- B. Cryptographic keys
- C. Numeric values
- D. Identifying information

**Answer: D**

#### NEW QUESTION 151

- (Exam Topic 3)

It's important to maintain a current asset inventory list, including surveying your environment on a regular basis, in order to \_\_\_\_\_ .

Response:

- A. Prevent unknown, unpatched assets from being used as back doors to the environment
- B. Ensure that any lost devices are automatically entered into the acquisition system for repurchasing and replacement
- C. Maintain user morale by having their devices properly catalogued and annotated
- D. Ensure that billing for all devices is handled by the appropriate departments

**Answer: A**

#### NEW QUESTION 156

- (Exam Topic 3)

Which of the following is a risk that stems from a virtualized environment? Response:

- A. Live virtual machines in the production environment are moved from one host to another in the clear.
- B. Cloud data centers can become a single point of failure.
- C. It is difficult to find and contract with multiple utility providers of the same type (electric, water, etc.).
- D. Modern SLA demands are stringent and very hard to meet.

**Answer: A**

#### NEW QUESTION 157

- (Exam Topic 3) Who operates the management plane? Response:

- A. Regulators
- B. End consumers
- C. Privileged users
- D. Privacy data subjects

**Answer: C**

#### NEW QUESTION 159

- (Exam Topic 3)

You are the security manager for a small surgical center. Your organization is reviewing upgrade options for its current, on-premises data center. In order to best meet your needs, which one of the following options would you recommend to senior management?

Response:

- A. Building a completely new data center
- B. Leasing a data center that is currently owned by another firm
- C. Renting private cloud space in a Tier 2 data center
- D. Staying with the current data center

**Answer:** A

**NEW QUESTION 164**

- (Exam Topic 3)

Alice is the CEO for a software company; she is considering migrating the operation from the current on-premises legacy environment into the cloud.

In order to protect her company's intellectual property, Alice might want to consider implementing all these techniques/solutions except \_\_\_\_\_.

Response:

- A. Egress monitoring
- B. Encryption
- C. Turnstiles
- D. Digital watermarking

**Answer:** C

**NEW QUESTION 168**

- (Exam Topic 3)

In which of the following situations does the data owner have to administer the OS? Response:

- A. IaaS
- B. PaaS
- C. Offsite archive
- D. SaaS

**Answer:** A

**NEW QUESTION 170**

- (Exam Topic 3)

Which kind of SSAE audit reviews controls dealing with the organization's controls for assuring the confidentiality, integrity, and availability of data?

Response:

- A. SOC 1
- B. SOC 2
- C. SOC 3
- D. SOC 4

**Answer:** B

**NEW QUESTION 172**

- (Exam Topic 3)

With cloud computing crossing many jurisdictional boundaries, it is a virtual certainty that conflicts will arise between differing regulations. What is the major impediment to resolving conflicts between multiple jurisdictions to form an overall policy?

Response:

- A. Language differences
- B. Technologies used
- C. Licensing issues
- D. Lack of international authority

**Answer:** D

**NEW QUESTION 177**

- (Exam Topic 3)

Your application has been a continued target for SQL injection attempts. Which of the following technologies would be best used to combat the likeliness of a successful SQL injection exploit from occurring?

Response:

- A. XML accelerator
- B. WAF
- C. Sandbox
- D. Firewall

**Answer:** B

**NEW QUESTION 179**

- (Exam Topic 3)

In general, a cloud BCDR solution will be \_\_\_\_\_ than a physical solution. Response:

- A. Slower
- B. Less expensive
- C. Larger
- D. More difficult to engineer

**Answer:** B

**NEW QUESTION 181**

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