

# DUMPS ARENA

## Certificate of Cloud Auditing Knowledge

Isaca CCAK

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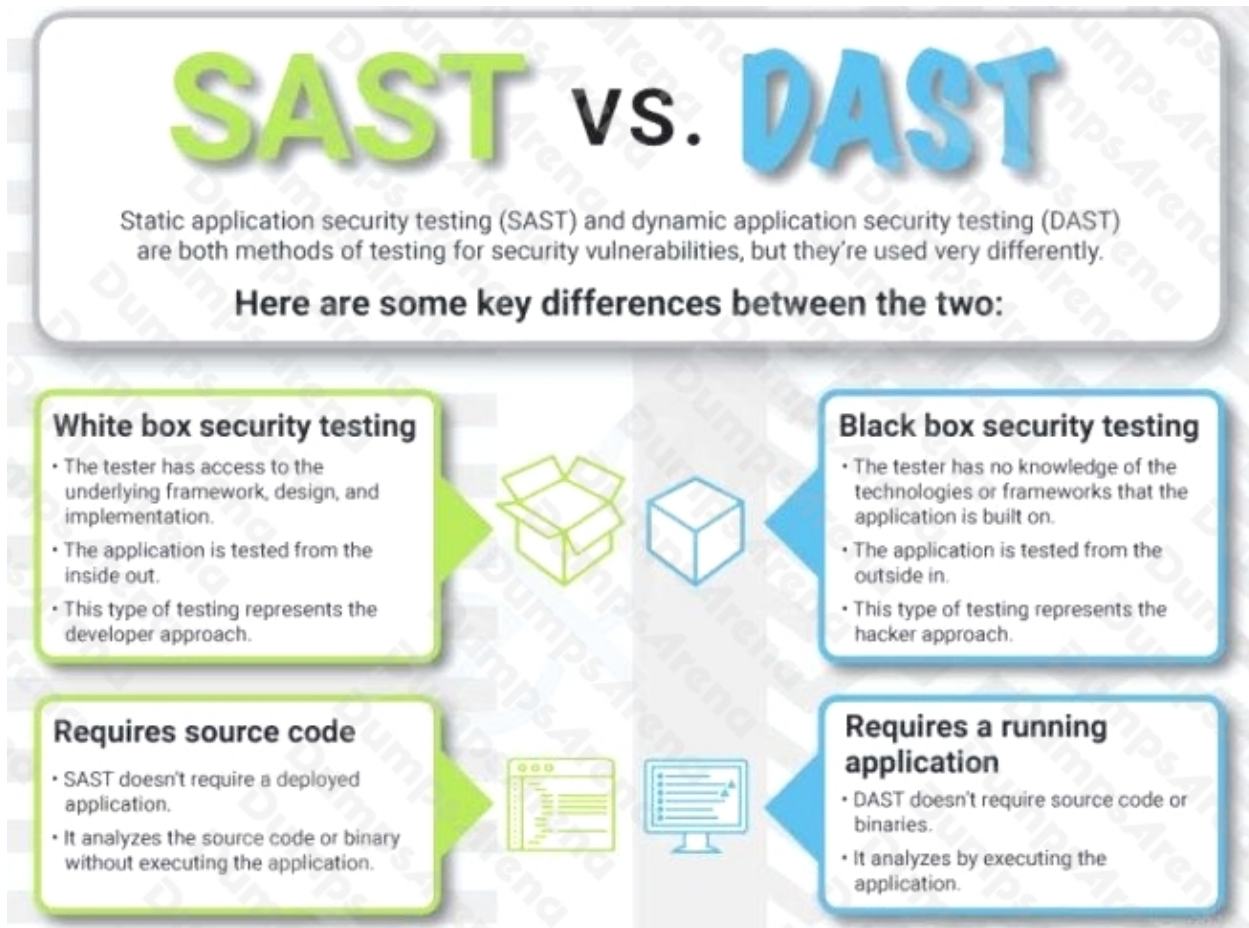
**QUESTION NO: 1**

What is the advantage of using dynamic application security testing (DAST) over static application security testing (SAST) methodology?

- A. Unlike SAST, DAST is a blackbox and programming language agnostic.
- B. DAST can dynamically integrate with most CI/CD tools.
- C. DAST delivers more false positives than SAST.
- D. DAST is slower but thorough.

**ANSWER: A****Explanation:**

Reference: <https://www.synopsys.com/blogs/software-security/sast-vs-dast-difference/>



**QUESTION NO: 2**

What is a sign of an organization that has adopted a shift-left concept of code release cycles?

- A. A waterfall model to move resources through the development to release phases
- B. Incorporation of automation to identify and address software code problems early
- C. Maturity of start-up entities with high-iteration to low-volume code commits
- D. Large entities with slower release cadences and geographical dispersed systems

**ANSWER: B****Explanation:**

Reference: <https://www.ibm.com/cloud/learn/devsecops>

# Best practices for DevSecOps

DevSecOps should be the natural incorporation of security controls into your development, delivery, and operational processes.

## Shift left

'Shift left' is a DevSecOps mantra: It encourages software engineers to move security from the right (end) to the left (beginning) of the DevOps (delivery) process. In a DevSecOps environment, security is an integral part of the development process from the beginning. An organization that uses DevSecOps brings in their cybersecurity architects and engineers as part of the development team. Their job is to ensure every component, and every configuration item in the stack is patched, configured securely, and documented.

Shifting left allows the DevSecOps team to identify security risks and exposures early and ensures that these security threats are addressed immediately. Not only is the development team thinking about building the product efficiently, but they are also implementing security as they build it.

**QUESTION NO: 3**

Which plan will guide an organization on how to react to a security incident that might occur on the organization's systems, or that might be affecting one of their service providers?

- A. Incident Response Plans
- B. Security Incident Plans
- C. Unexpected Event Plans
- D. Emergency Incident Plans

**ANSWER: A****QUESTION NO: 4**

Which of the following are the three MAIN phases of the cloud controls matrix (CCM) mapping methodology?

- A. Plan --> Develop --> Release
- B. Deploy --> Monitor --> Audit
- C. Initiation --> Execution --> Monitoring and Controlling
- D. Preparation --> Execution --> Peer Review and Publication

**ANSWER: D****Explanation:**

Reference: <https://docplayer.net/153476370-Methodology-for-the-mapping-of-the-cloud-controls-matrix-ccm.html> (page 5)

## METHODOLOGY

### PROJECT MANAGEMENT

The project management section of this document pertains primarily to the CSA CCM Working Group that will lead the volunteer-based mapping projects between CSA's Cloud Controls Matrix and other frameworks.

There are four main phases of this process: preparation, execution, peer review and publication.

**QUESTION NO: 5**

Which of the following is the BEST recommendation to offer an organization's HR department planning to adopt a new public SaaS application to ease the recruiting process?

- A. Ensure HIPAA compliance
- B. Implement a cloud access security broker
- C. Consult the legal department
- D. Do not allow data to be in cleratext

**ANSWER: B**

**Explanation:**

Reference: <https://www.mcafee.com/enterprise/en-us/security-awareness/cloud/what-is-a-casb.html>

A Cloud access security broker, or CASB, is cloud-hosted software or on-premises software or hardware that act as an intermediary between users and cloud service providers. The ability of a CASB to address gaps in security extends across software-as-a-service (SaaS), platform-as-a-service (PaaS), and infrastructure-as-a-service (IaaS) environments. In addition to providing visibility, a CASB also allows organizations to extend the reach of their security policies from their existing on-premises infrastructure to the cloud and create new policies for cloud-specific context.

CASBs have become a vital part of enterprise security, allowing businesses to safely use the cloud while protecting sensitive corporate data.

The CASB serves as a policy enforcement center, consolidating multiple types of security policy enforcement and applying them to everything your business utilizes in the cloud—regardless of what sort of device is attempting to access it, including unmanaged smartphones, IoT devices, or personal laptops.

**QUESTION NO: 6**

Which of the following is an example of a corrective control?

- A. A central anti-virus system installing the latest signature files before allowing a connection to the network
- B. Unsuccessful access attempts being automatically logged for investigation
- C. Privileged access to critical information systems requiring a second factor of authentication using soft token
- D. All new employees having standard access rights until their manager approves privileged rights

**ANSWER: C**

**QUESTION NO: 7**

A Dot Release of Cloud Control Matrix (CCM) indicates what?

- A. The introduction of new control frameworks mapped to previously-published CCM controls.

- B. A revision of the CCM domain structure.
- C. A technical change (revision or addition or deletion) of a number of controls is smaller than 10% compared to the previous "Full" release.
- D. A technical change (revision or addition or deletion) of a number of controls is greater than 10% compared to the previous "Full" release.

**ANSWER: A**

#### **QUESTION NO: 8**

Which of the following is the MOST important audit scope document when conducting a review of a cloud service provider?

- A. Updated audit/work program
- B. Documentation criteria for the audit evidence
- C. Processes and systems to be audited
- D. Testing procedure to be performed

**ANSWER: B**

#### **QUESTION NO: 9**

Which of the following CSP activities requires a client's approval?

- A. Delete the guest account or test accounts
- B. Delete the master account or subscription owner accounts
- C. Delete the guest account or destroy test data
- D. Delete the test accounts or destroy test data

**ANSWER: D**

#### **QUESTION NO: 10**

Which of the following is the common cause of misconfiguration in a cloud environment?

- A. Absence of effective change control
- B. Using multiple cloud service providers

- C. New cloud computing techniques
- D. Traditional change process mechanisms

**ANSWER: A**

**Explanation:**

Reference: <https://businessinsights.bitdefender.com/the-top-5-cloud-threats-that-smbs-need-to-address>

CSA, which include misconfiguration (and inadequate change control) among its listing of top threats, said misconfiguration of cloud resources is a leading cause of data breaches, and could allow the deletion or modification of resources and service interruption.

“An absence of effective change control is a common cause of misconfiguration in a cloud environment,” CSA said. “Cloud environments and cloud computing security methodologies differ from traditional [IT] in ways that make changes more difficult to control.”