CAS-004$^{Q\&As}$

CompTIA Advanced Security Practitioner (CASP+)

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QUESTION 1

A SaaS startup is maturing its DevSecOps program and wants to identify weaknesses earlier in the development process in order to reduce the average time to identify serverless application vulnerabilities and the costs associated with remediation. The startup began its early security testing efforts with DAST to cover public-facing application components and recently implemented a bug bounty program. Which of the following will BEST accomplish the company\\'s objectives?

A. RASP

B. SAST

C. WAF

D. CMS

Correct Answer: B

to identify bug at the early stage of the SDLC

QUESTION 2

A Chief Information Officer (CIO) wants to implement a cloud solution that will satisfy the following requirements:

1.

Support all phases of the SDLC.

2.

Use tailored website portal software.

3.

Allow the company to build and use its own gateway software.

4.

Utilize its own data management platform.

5.

Continue using agent-based security tools.

Which of the following cloud-computing models should the CIO implement?

A. SaaS

B. PaaS

C. MaaS

D. IaaS

Correct Answer: B

QUESTION 3

A security engineer based in Iceland works in an environment requiring an on-premises and cloud-based storage solution. The solution should take into consideration the following:

1.

The company has sensitive data.

2.

The company has proprietary data.

3.

The company has its headquarters in Iceland, and the data must always reside in that country.

Which cloud deployment model should be used?

A. Hybrid cloud

B. Community cloud

C. Public cloud

D. Private cloud

Correct Answer: A

QUESTION 4

A cyberanalyst for a government agency is concerned about how PIl is protected A supervisor indicates that a Privacy Impact Assessment must be done. Which of the following describes a function of a Privacy Impact Assessment?

A. To validate the project participants

B. To identify the network ports

C. To document residual risks

D. To evaluate threat acceptance

Correct Answer: C

A Privacy Impact Assessment (PIA) is a process used to evaluate and manage privacy risks associated with the collection, use, and storage of personally identifiable information (PII). One of the key functions of a PIA is to document residual risks, which are the privacy risks that remain after controls have been applied. By identifying and documenting these risks, organizations can make informed decisions about whether additional measures are needed or whether certain risks are acceptable.

QUESTION 5

A help desk technician is troubleshooting an issue with an employee\\'s laptop that will not boot into its operating system. The employee reported the laptop had been stolen but then found it one day later. The employee has asked the technician for help recovering important data. The technician has identified the following:

1.

The laptop operating system was not configured with BitLocker.

2.

The hard drive has no hardware failures.

3.

Data is present and readable on the hard drive, although it appears to be illegible.

Which if the following is the MOST likely reason the technician is unable to retrieve legible data from the hard drive?

A. The employee\\'s password was changed, and the new password needs to be used.

B. The PKI certificate was revoked, and a new one must be installed.

C. The hard drive experienced crypto-shredding.

D. The technician is using the incorrect cipher to read the data.

Correct Answer: C

Crypto-shredding describes the concept that destroying a decryption key in essence destroys the data it was designed to protect. Especially important in cloud environments where methods available to confidently destroy data is limited. This technique depends upon assurance that the data was never available in decrypted format at any point in its life cycle, that the encryption method was sufficiently secure, and that the key is irrecoverably destroyed.

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