CAS-004 Q&As

CompTIA Advanced Security Practitioner (CASP+)

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QUESTION 1

A mobile application developer is creating a global, highly scalable, secure chat application. The developer would like to ensure the application is not susceptible to on-path attacks while the user is traveling in potentially hostile regions. Which of the following would BEST achieve that goal?

A. Utilize the SAN certificate to enable a single certificate for all regions.

B. Deploy client certificates to all devices in the network.

C. Configure certificate pinning inside the application.

D. Enable HSTS on the application\\'s server side for all communication.

Correct Answer: C

QUESTION 2

A security analyst is attempting to identify code that is vulnerable to butler and integer overflow attacks. Which of the following code snippets is safe from these types of attacks?

A.
```
int buff[100];
memcpy(buff, argv[1]);
```

B.
```
int buff[10];
char *ptr = (char *) malloc(10);
```

C.
```
char buff[200];
strcpy(buffer, argv[1]);
```

D.
```
char buff[500];
printf("Buffer = %s\n, buffer)
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 3

An organization recently experienced a ransomware attack. The security team leader is concerned about the attack reoccurring. However, no further security measures have been implemented.

Which of the following processes can be used to identify potential prevention recommendations?

A. Detection

B. Remediation

C. Preparation

D. Recovery

Correct Answer: C

QUESTION 4

Which of the following BEST describes a common use case for homomorphic encryption?

A. Processing data on a server after decrypting in order to prevent unauthorized access in transit

B. Maintaining the confidentiality of data both at rest and in transit to and from a CSP for processing

C. Transmitting confidential data to a CSP for processing on a large number of resources without revealing information

D. Storing proprietary data across multiple nodes in a private cloud to prevent access by unauthenticated users

Correct Answer: C

QUESTION 5

Real-time, safety-critical systems MOST often use serial busses that:

A. have non-deterministic behavior and are not deployed with encryption.

B. have non-deterministic behavior and are deployed with encryption.

C. have deterministic behavior and are deployed with encryption.

D. have deterministic behavior and are not deployed with encryption.

Correct Answer: D