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QUESTION 1

A company just implemented a new telework policy that allows employees to use personal devices for official email and file sharing while working from home. Some of the requirements are:

*

Employees must provide an alternate work location (i.e., a home address).

*

Employees must install software on the device that will prevent the loss of proprietary data but will not restrict any other software from being installed. Which of the following BEST describes the MDM options the company is using?

A.

Geofencing, content management, remote wipe, containerization, and storage segmentation

B.

Content management, remote wipe, geolocation, context-aware authentication, and containerization

C.

Application management, remote wipe, geofencing, context-aware authentication, and containerization

D.

Remote wipe, geolocation, screen locks, storage segmentation, and full-device encryption

Correct Answer: C

For mobile device security, you also need to consider application and content management, geofencing, geolocation, push notification services, biometrics, context-aware authentication, containerization, storage segmentation, and full device encryption.

Application management includes ensuring that only approved applications can be installed on company-owned devices.

Content management ensuring that only approved data can be stored on company-owned devices.

Remote wipe ensures that a device can be remotely wiped if lost or stolen.

Geofencing ensures that mobile devices are only functional within a certain location or geographic area.

Geolocation allows mobile devices to be located.

Push notification services alert mobile device users when operating systems or applications need to be updated.

Biometrics provide an additional authentication layer.

Context-aware authentication ensures that a mobile device is operating in a certain context to be operational.

Containerization is the practice of separating and securing a portion of a device's storage from the rest of the device. Storage segmentation is another term for containerization.

Full device encryption encrypts the entire contents of a mobile device.



QUESTION 2

Which of the following types of attacks precedes the installation of a rootkit on a server?

- A. Pharming
- B. DDoS
- C. Privilege escalation
- D. DoS

Correct Answer: C

QUESTION 3

Company XYZ has decided to make use of a cloud-based service that requires mutual, certificate-based authentication with its users. The company uses SSL-inspecting IDS at its network boundary and is concerned about the confidentiality of the mutual authentication. Which of the following model prevents the IDS from capturing credentials used to authenticate users to the new service or keys to decrypt that communication?

- A. Use of OATH between the user and the service and attestation from the company domain
- B. Use of active directory federation between the company and the cloud-based service
- C. Use of smartcards that store x.509 keys, signed by a global CA
- D. Use of a third-party, SAML-based authentication service for attestation

Correct Answer: B

QUESTION 4

In a corporation where compute utilization spikes several times a year, the Chief Information Officer (CIO) has requested a cost-effective architecture to handle the variable capacity demand. Which of the following characteristics BEST describes what the CIO has requested?

- A. Elasticity
- B. Scalability
- C. High availability
- D. Redundancy

Correct Answer: A

Elasticity is defined as "the degree to which a system is able to adapt to workload changes by provisioning and de-provisioning resources in an autonomic manner, such that at each point in time the available resources match the current demand as closely as possible".



QUESTION 5

A company needs to implement a system that only lets a visitor use the company's network infrastructure if the visitor accepts the AUP. Which of the following should the company use?

- A. WiFi-protected setup
- B. Password authentication protocol
- C. Captive portal
- D. RADIUS

Correct Answer: C

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