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**QUESTION 1**

A security manager is concerned about performance and patch management, and, as a result, wants to implement a virtualization strategy to avoid potential future OS vulnerabilities in the host system. The IT manager wants a strategy that would provide the hypervisor with direct communications with the underlying physical hardware allowing the hardware resources to be paravirtualized and delivered to the guest machines.

Which of the following recommendations from the server administrator BEST meets the IT and security managers' requirements? (Select TWO).

- A. Nested virtualized hypervisors
- B. Type 1 hypervisor
- C. Hosted hypervisor with a three layer software stack
- D. Type 2 hypervisor
- E. Bare metal hypervisor with a software stack of two layers

Correct Answer: BE

QUESTION 2

A security architect is seeking to outsource company server resources to a commercial cloud service provider. The provider under consideration has a reputation for poorly controlling physical access to datacenters and has been the victim of multiple social engineering attacks. The service provider regularly assigns VMs from multiple clients to the same physical resources.

When conducting the final risk assessment which of the following should the security architect take into consideration?

- A. The ability to implement user training programs for the purpose of educating internal staff about the dangers of social engineering.
- B. The cost of resources required to relocate services in the event of resource exhaustion on a particular VM.
- C. The likelihood a malicious user will obtain proprietary information by gaining local access to the hypervisor platform.
- D. Annual loss expectancy resulting from social engineering attacks against the cloud service provider affecting corporate network infrastructure.

Correct Answer: C

QUESTION 3

A newly-appointed risk management director for the IT department at Company XYZ, a major pharmaceutical manufacturer, needs to conduct a risk analysis regarding a new system which the developers plan to bring on-line in



three weeks. The director begins by reviewing the thorough and well-written report from the independent contractor who performed a security assessment of the system. The report details what seems to be a manageable volume of infrequently exploited security vulnerabilities.

The likelihood of a malicious attacker exploiting one of the vulnerabilities is low; however, the director still has some reservations about approving the system because of which of the following?

- A. The resulting impact of even one attack being realized might cripple the company financially.
- B. Government health care regulations for the pharmaceutical industry prevent the director from approving a system with vulnerabilities.
- C. The director is new and is being rushed to approve a project before an adequate assessment has been performed.
- D. The director should be uncomfortable accepting any security vulnerabilities and should find time to correct them before the system is deployed.

Correct Answer: A

QUESTION 4

A small company hosting multiple virtualized client servers on a single host is considering adding a new host to create a cluster. The new host hardware and operating system will be different from the first host, but the underlying virtualization technology will be compatible. Both hosts will be connected to a shared iSCSI storage solution.

Which of the following is the hosting company MOST likely trying to achieve?

- A. Increased customer data availability
- B. Increased customer data confidentiality
- C. Increased security through provisioning
- D. Increased security through data integrity

Correct Answer: A

QUESTION 5

Company A is trying to implement controls to reduce costs and time spent on litigation.

To accomplish this, Company A has established several goals:

Prevent data breaches from lost/stolen assets

Reduce time to fulfill e-discovery requests

Prevent PII from leaving the network



Lessen the network perimeter attack surface

Reduce internal fraud

Which of the following solutions accomplishes the MOST of these goals?

A. Implement separation of duties; enable full encryption on USB devices and cell phones, allow cell phones to remotely connect to e-mail and network VPN, enforce a 90 day data retention policy.

B. Eliminate VPN access from remote devices. Restrict junior administrators to read-only shell access on network devices. Install virus scanning and SPAM filtering. Harden all servers with trusted OS extensions.

C. Create a change control process with stakeholder review board, implement separation of duties and mandatory vacation, create regular SAN snapshots, enable GPS tracking on all cell phones and laptops, and fully encrypt all email in transport.

D. Implement outgoing mail sanitation and incoming SPAM filtering. Allow VPN for mobile devices; cross train managers in multiple disciplines, ensure all corporate USB drives are provided by Company A and de-duplicate all server storage.

Correct Answer: A

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