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VMware

3V0-21.23

VMware vSphere 8.x

Advanced Design

QUESTION: 1

Following a review of security requirements, an architect has confirmed the following requirements:

REQ01- A clustered firewall solution must be placed at the perimeter of the hosting platform, and all ingress and egress network traffic will route via this device.

REQ02- A distributed firewall solution must secure traffic for all virtualized workloads.

REQ03- All virtualized workload, hypervisor, firewall and any management component system events must be monitored by security administrators.

REQ04- The hosting platforms security information and event management (SIEM) system must be scalable to 20,000 events per second.

REQ05- The hosting platforms storage must be configured with data-at-rest encryption.

REQ06- The hosting platform limits access to authorized users.

Which three requirements would be classified as technical (formerly non-functional) requirements? (Choose three.)

- A. A clustered firewall solution must be placed at the perimeter of the hosting platform, and all ingress and egress network traffic will route via this device.
- B. A distributed firewall solution must secure traffic for all virtualized workloads.
- C. The hosting platforms security information and event management (SIEM) system must be scalable to 20,000 events per second.
- D. The hosting platforms storage must be configured with data-at-rest encryption.
- E. The hosting platform limits access to authorized users.
- F. All virtualized workload, hypervisor, firewall and any management component system events must be monitored by security administrators.

Answer(s): A, C, D

Explanation:

A clustered firewall solution must be placed at the perimeter of the hosting platform, and all ingress and egress network traffic will route via this device:

This is a technical requirement because it specifies how network traffic is to be managed through a specific infrastructure element (the firewall). It outlines how the security device is implemented in the network architecture.

The hosting platform's security information and event management (SIEM) system must be scalable to 20,000 events per second:

This is a technical requirement because it deals with the scalability and performance of the SIEM system. It specifies how the system must handle a large volume of data, which is a technical characteristic of the infrastructure.

The hosting platform's storage must be configured with data-at-rest encryption:

This is also a technical requirement because it defines how the data should be stored securely, which is an implementation detail. It specifies that encryption needs to be applied to stored data, a feature related to storage infrastructure.

QUESTION: 2

An architect is designing a solution for a customer to meet the following business objectives:

Pass compliance audits

Reuse compute hardware

Grow by 10% per year

Move to a subscription-based consumption model

Which business objective translates as a conceptual model constraint?

- A. Pass compliance audits
- B. Reuse compute hardware
- C. Move to a subscription-based consumption model
- D. Grow by 10% per year

Answer(s): A

Explanation:

This is the business objective that translates to a conceptual model constraint, as it is an external requirement that must be met by the system design, influencing how the architecture should be shaped. Compliance audits often dictate specific standards, security, and operational procedures that must be adhered to, which restricts the design choices in terms of governance and best practices.

QUESTION: 3

A company is expanding and will be deploying new vSphere environments in multiple new locations. All environments use datastores backed by multiple storage technologies and vendors.

How can the architect create a design to efficiently and repeatedly distribute existing company virtual machine (VM) templates to multiple new locations?

- A. Use storage array replication tools to replicate the storage volume holding the company VM templates to each remote site.
- B. Upload company templates to a cloud provider and download to each new location.
- C. Create a published content library and have the new locations subscribe to it.
- D. Create a local content library at each site and manually copy only needed templates.

Answer(s): C