3V0-624Q&As

VMware Certified Advanced Professional 6.5 – Data Center Virtualization Design Exam

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QUESTION 1

A system architect is building a design that includes three vCenter Server Appliances with 20 to 25 ESXi hosts each. The reliability of the environment is the top business priority because the company runs several applications that must be highly available.

Which VMware solution provides the ability to centrally detect issues in the environment and resolve them?

A. Set up a log collection and analysis engine such as VMware Log Insight and point all components of the vSphere environment to this engine.

B. Enable the deactivated VMware Log Browser Service to capture and search logs in the vSphere Web Client.

C. Use the new vSphere HTML5 client that provides multiple ways to detect and isolate issues in the environment.

D. Use the vCenter Server Support Assistant as an easy way to create log bundles, then transfer them to VMware support for analysis and resolution.

Correct Answer: A

QUESTION 2

Customer Requirements:

You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization is looking to virtualize their physical email application. The company has provided a list of requirements that must be included in the design:

-

E-mail database is replicated between two servers at a logical level, with no shared disk configurations.

-

E-mail databases meet corporate criteria for LUN provisioning, and must reside directly on storage array.

-

Operating system disks do not meet corporate requirements for LUN provisioning, and per policy should not share the same VMFS storage location for redundancy reasons.

-

Internal users currently point to three Client Access Servers for load balancing.

-

External users currently point to three Web Client Access Servers for load balancing.

-

Customer requires discrete hardware to provide security between internal servers and externally available servers, as well as between externally available servers, and client connections from offsite.

Design Requirements:

Create a solution that shows the service dependencies required for virtualizing the email application, including:

-

All required storage for Mail DB VM(s) only

-

All required network and security connection(s)

-

All required virtual machine(s)

-

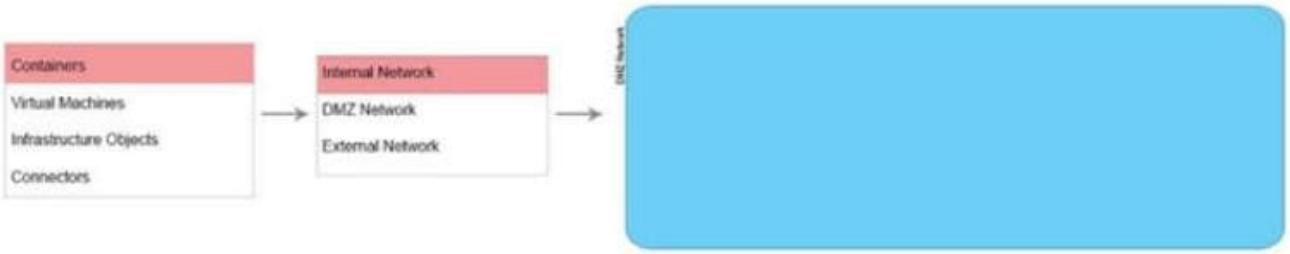
All required user(s)

A.

Check below for answer solution

Correct Answer: A

Place all items in required container(s). Connect VMFS datastore(s) to required virtual machine(s). Place disk(s) over the required storage type(s). Connect firewall(s) to container(s).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Virtual Machines
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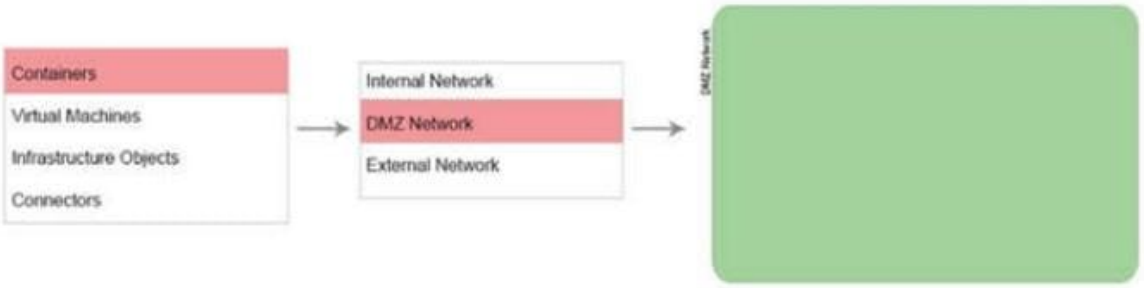
Connectors
Internal Network
DMZ Network
External Network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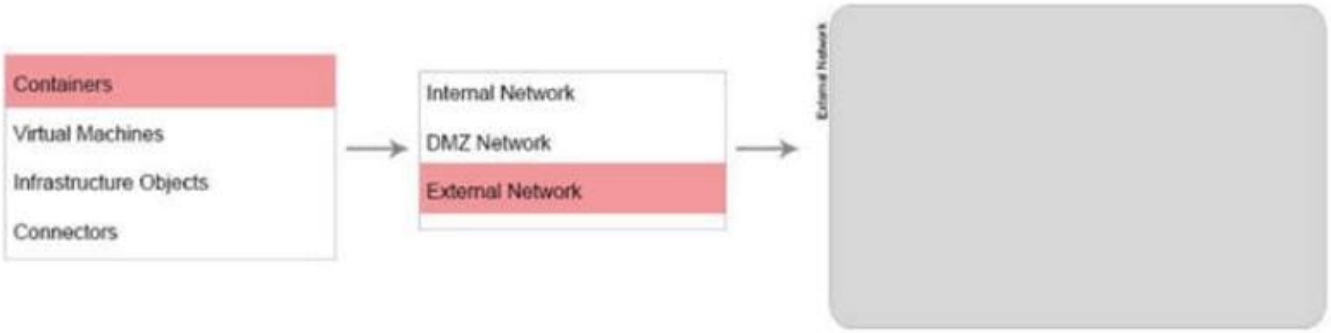
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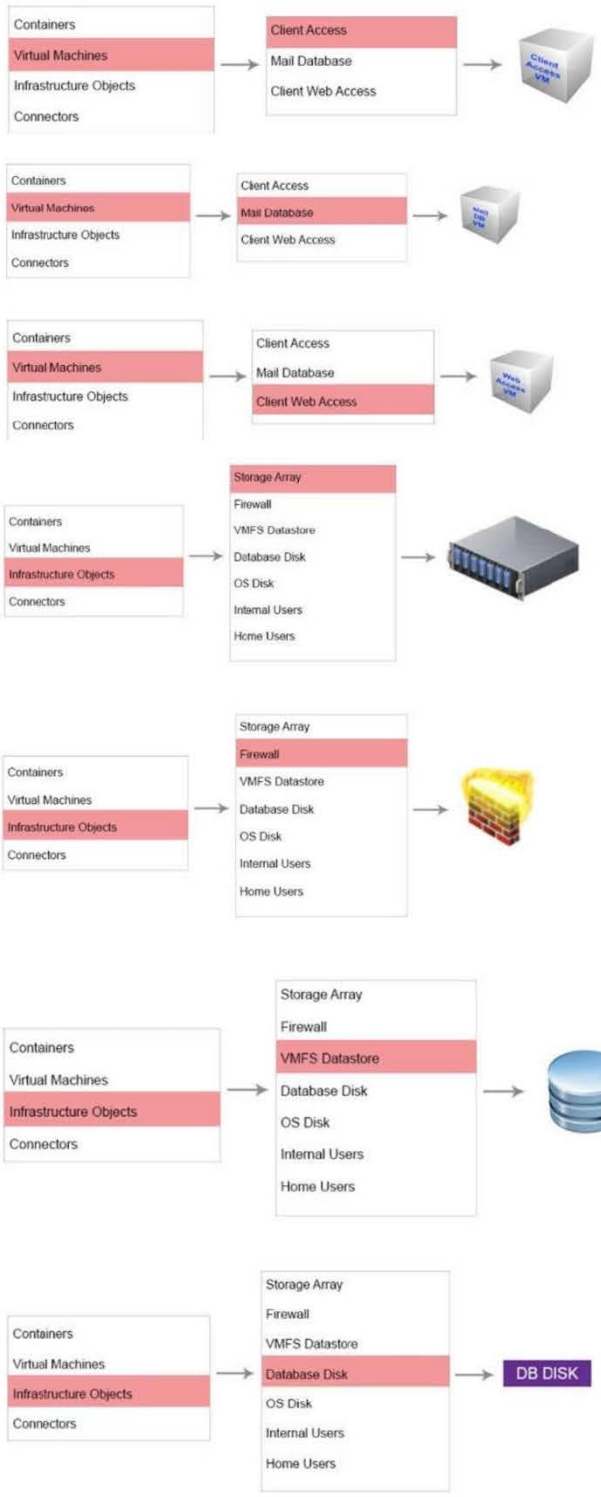
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Client Access
Mail Database
Client Web Access
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Infrastructure Objects
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Client Access
Mail Database
Client Web Access
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Storage Array
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Database Disk
OS Disk
Internal Users
Home Users
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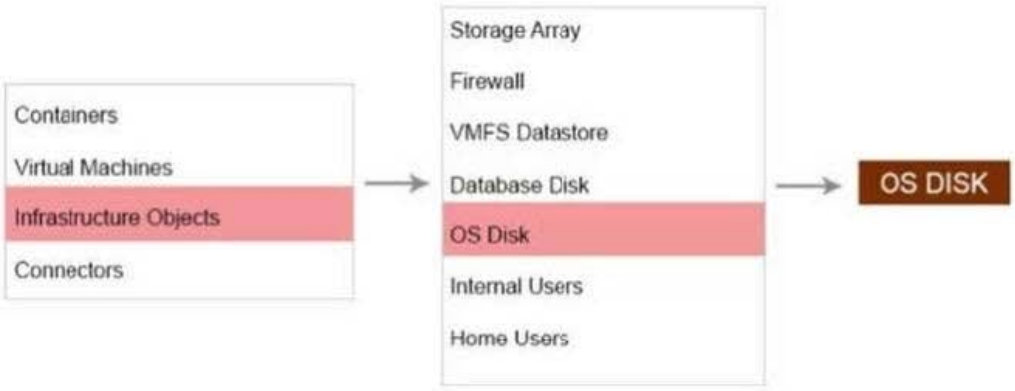
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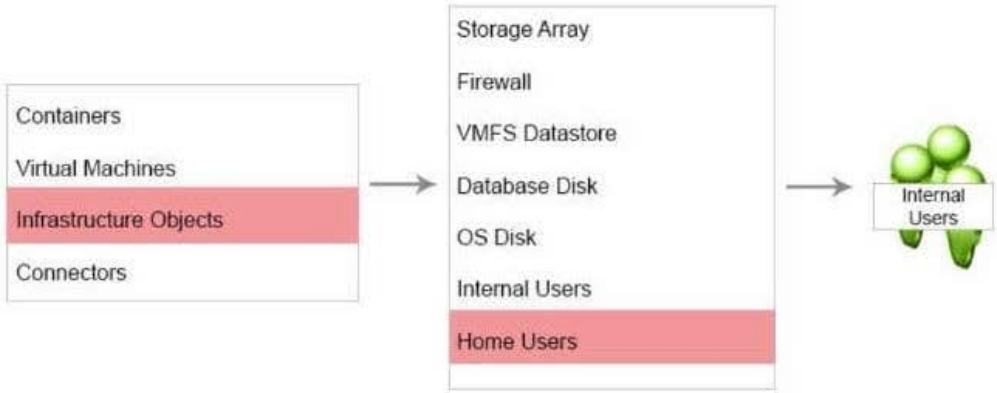
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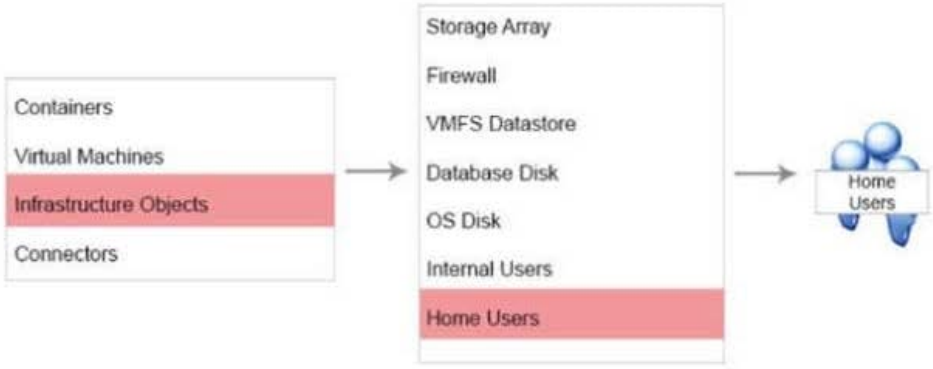
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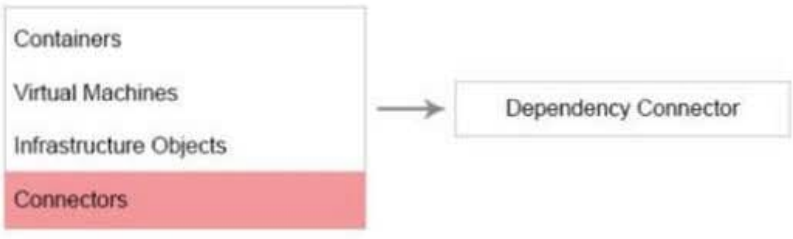
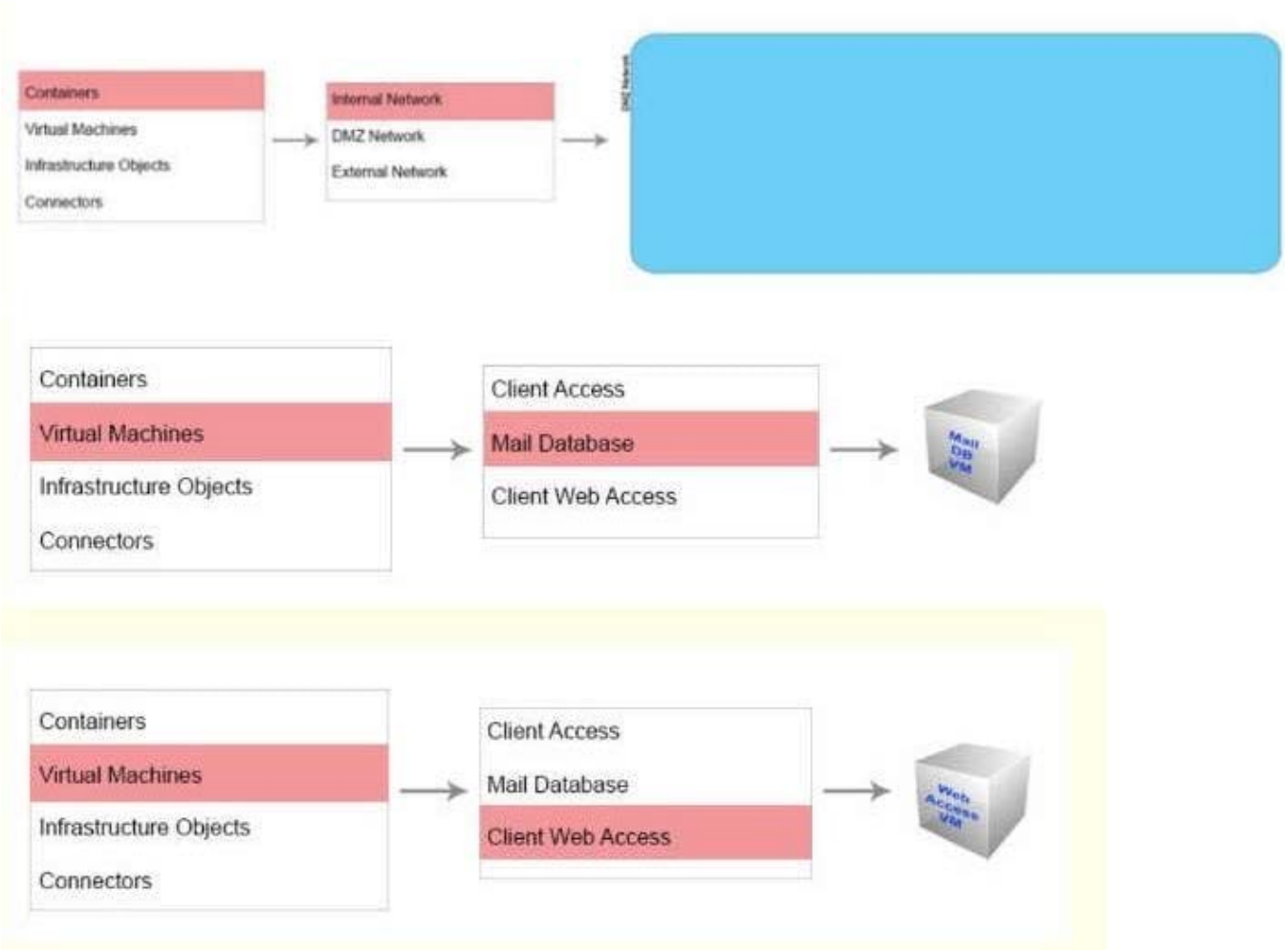
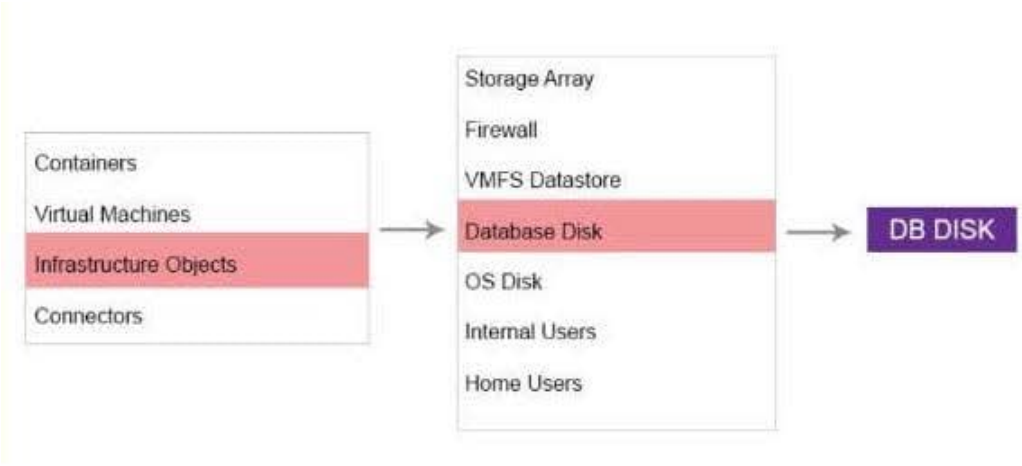

Containers
Virtual Machines
Infrastructure Objects
Connectors
Dependency Connector

See the solution below

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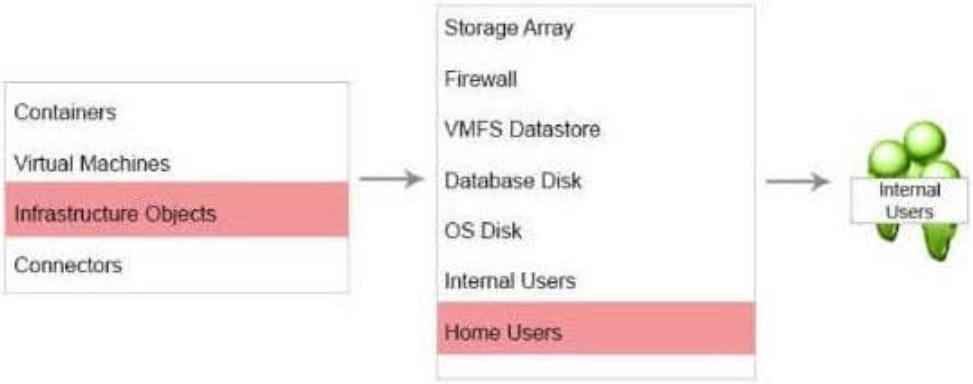
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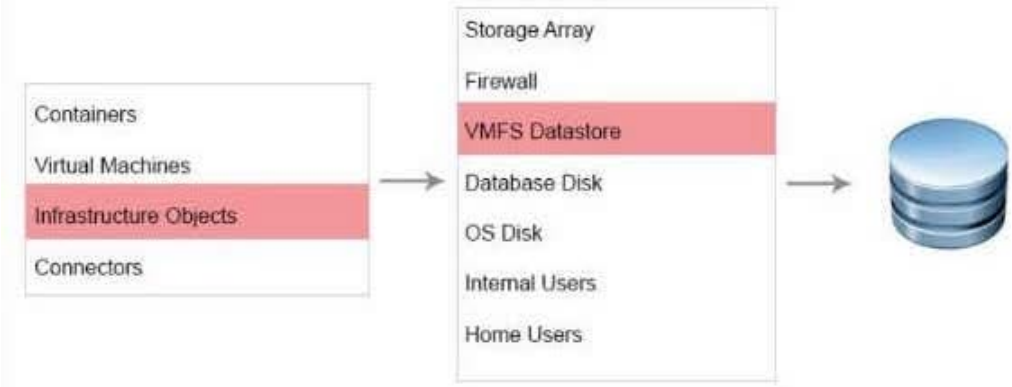
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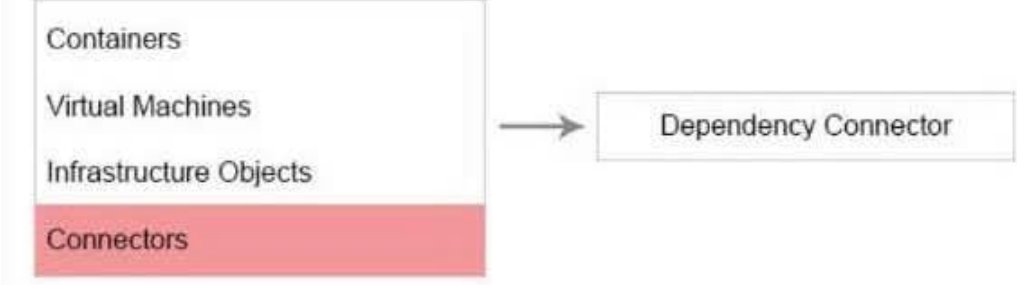

Containers
Virtual Machines
Infrastructure Objects
Connectors
Dependency Connector

QUESTION 3

A customer is using a vSphere APIs for Storage Awareness (VASA) compatible storage array. The VASA provider is published as a virtual appliance. To ensure recoverability, where must the VASA prowler and vCenter server virtual machines be stored?

A. The VASA provider and vCenter Server will be placed on the standard datastore (VMFS, NFS).

B. The VASA provider and vCenter Server will be placed on the vVol datastore.

C. The vCenter Server will be placed on the vVol datastore and the VASA provider will be placed on the standard datastore (VMFS, NFS).

D. The VASA provider will be placed on the vVol datastore and the vCenter Server will be placed on the standard datastore (VMFS, NFS)

Correct Answer: A

A VASA VM should definitely not run on a vVol as it is then dependent on itself. Similarly, the VASA VM is dependent on vCenter, so both should be kept on a standard VMFS or NFS volume. If you have vCenter on a vVol, and both VASA VM and vCenter go down you are SOL.

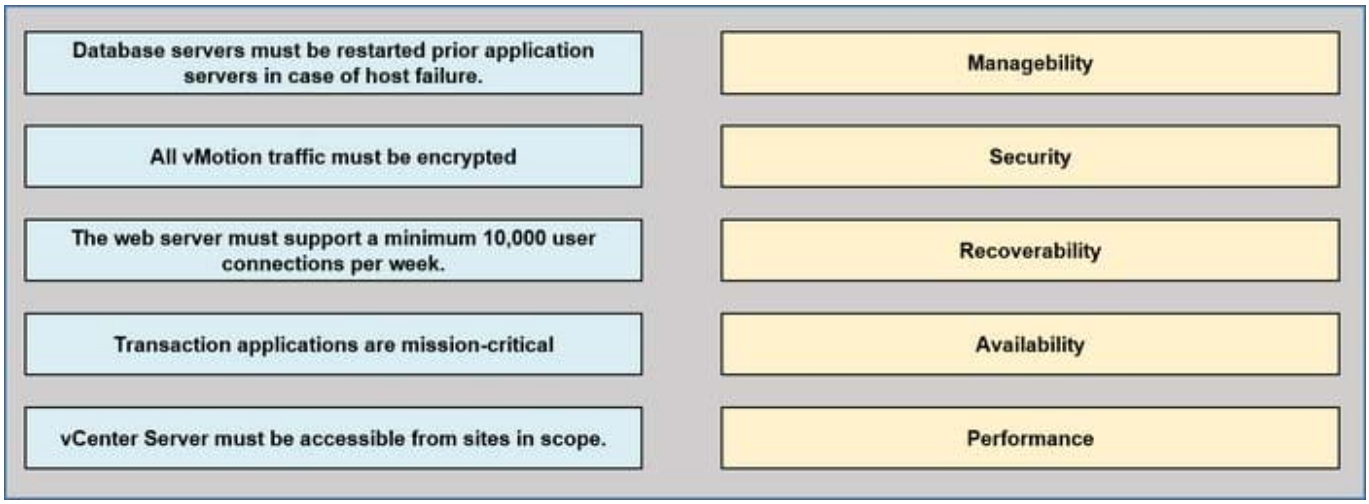
"You should not run VASA Provider on a VVOL datastore. Any management operation, including powering on a virtual machine that is on a VVOL, requires that VASA Provider be running. In addition, you would lose access to all VVOLs because VASA Provider would not be able to boot."

https://library.netapp.com/ecmdocs/ECMP12405937/html/GUID-5B810B73-0233-4F3B-80BE-47A415D2F107.html

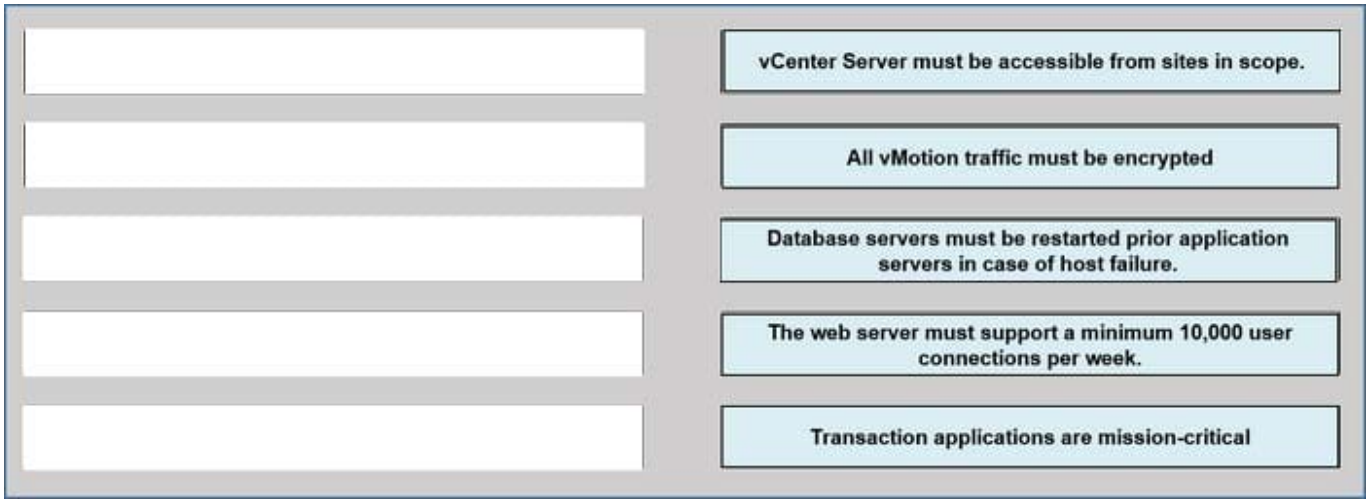
QUESTION 4

Match the design characteristic to the appropriate concept.

Select and Place:



Correct Answer:



QUESTION 5

Customer Requirements:

You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization has provided a number of Business Continuity and Disaster Recovery (BC/DR) requirements to meet their established Service Level

Agreements (SLAs). The preliminary design will include two sites.

Production Site:

-6 ESXi hosts in two clusters

-A Fiber Channel storage array with three types of storage:

1.

Flash storage

2.

15K SAS drives with vFlash Read Cache

3.

SATA drives in RAID 5 configuration

Secondary Site:

-3 ESXi hosts in a single cluster

-

A Fiber Channel storage array of the same type and with the same configuration as that of the production site

The details of the organization\\'s SLAs include:

-

Gold: Maximize read/write storage performance and provide automated offsite recovery with an RPO

-

Silver: Maximize read performance and provide automated offsite recovery with an RPO from 15 minutes to 24 hours.

-

Bronze: No performance requirement. Onsite recovery with no specific RPO.

The organization has a number of web-based multi-tier applications that are governed by their SLAs. The workloads in these applications and their SLA assignments include:

-Database workloads -Gold

-Application workloads -Silver

-Web workloads -Bronze

Note that Web servers only contain static information that is site specific.

Design Requirements:

Create a design that incorporates the required elements:

-

Place an SLA container for each of the appropriate SLAs into the appropriate sites.

-

Place the appropriate storage type(s) for each SLA into the SLA container.

-Place the appropriate workload(s) into the SLA containers.

-

Place the appropriate BCDR components into the SLA containers.

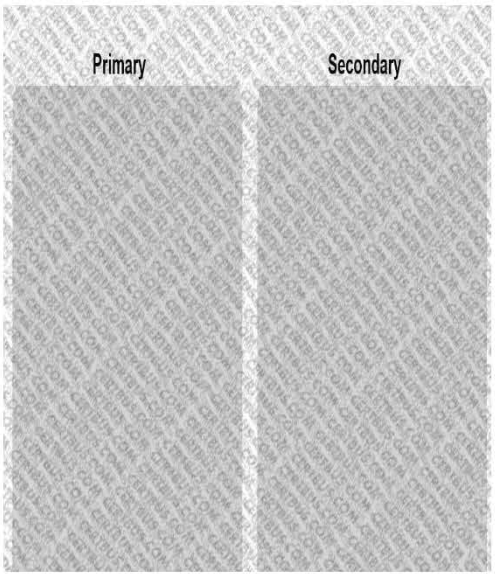
-

Connect any replicated storage between the two sites using the appropriate replication connector.

A.

Check the answer in explanation.

Correct Answer: A


Primary
Secondary


BCDR Components
Service Levels
Storage Types
Workloads
Replication Connectors
Site Recovery Manager
VMware Data Protection
SRM


BCDR Components
Service Levels
Storage Types
Workloads
Replication Connectors
Site Recovery Manager
VMware Data Protection
VDP


BCDR Components
Service Levels
Storage Types
Workloads
Replication Connectors
Gold SLA
Silver SLA
Bronze SLA
Gold SLA


BCDR Components
Service Levels
Storage Types
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Replication Connectors
Gold SLA
Silver SLA
Bronze SLA
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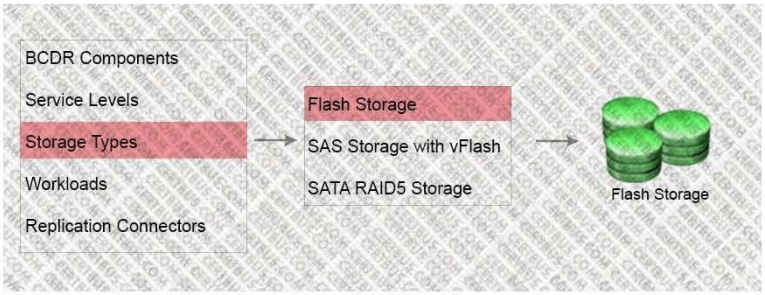
BCDR Components
Service Levels
Storage Types
Workloads
Replication Connectors
Gold SLA
Silver SLA
Bronze SLA
Bronze SLA


BCDR Components
Service Levels
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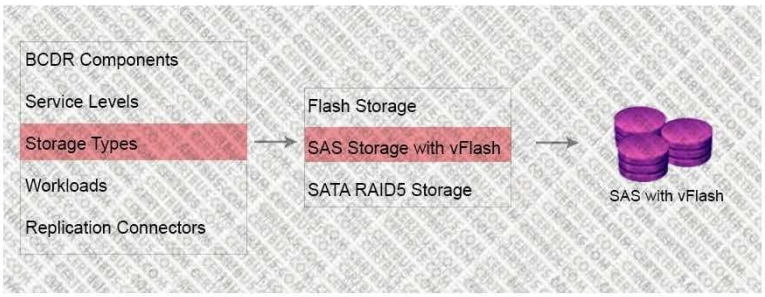
Replication Connectors
Flash Storage
SAS Storage with vFlash
SATA RAID5 Storage
Flash Storage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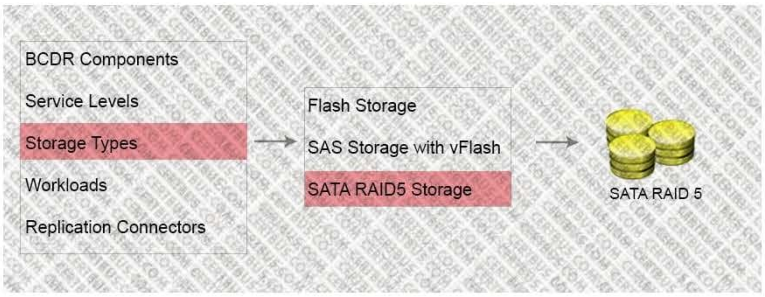
SAS Storage with vFlash
SATA RAID5 Storage
SAS with vFlash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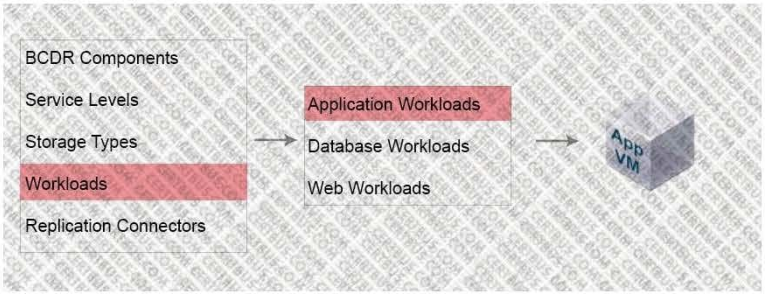
BCDR Components
Service Levels
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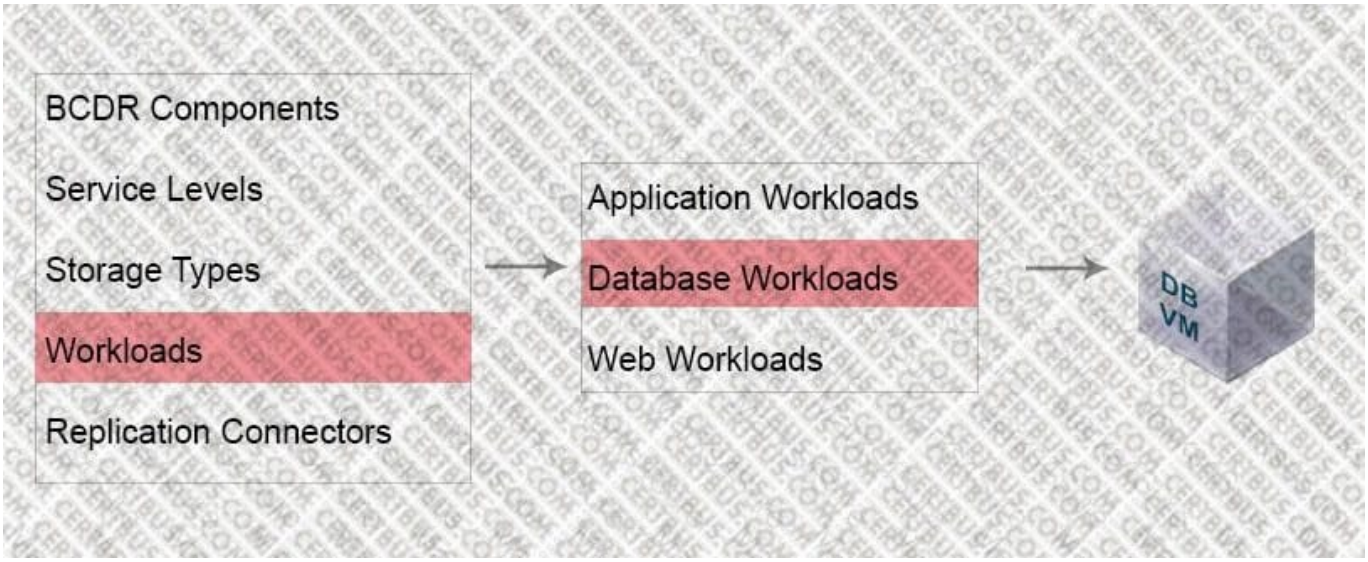
Replication Connectors
Application Workloads
Database Workloads
Web Workloads
App VM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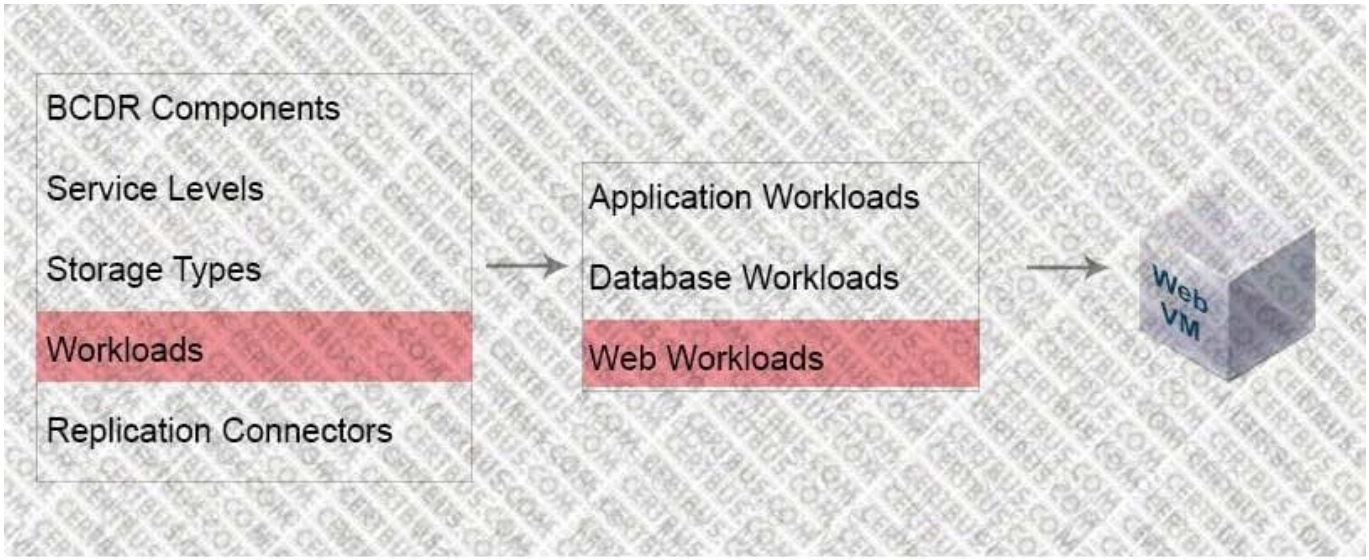
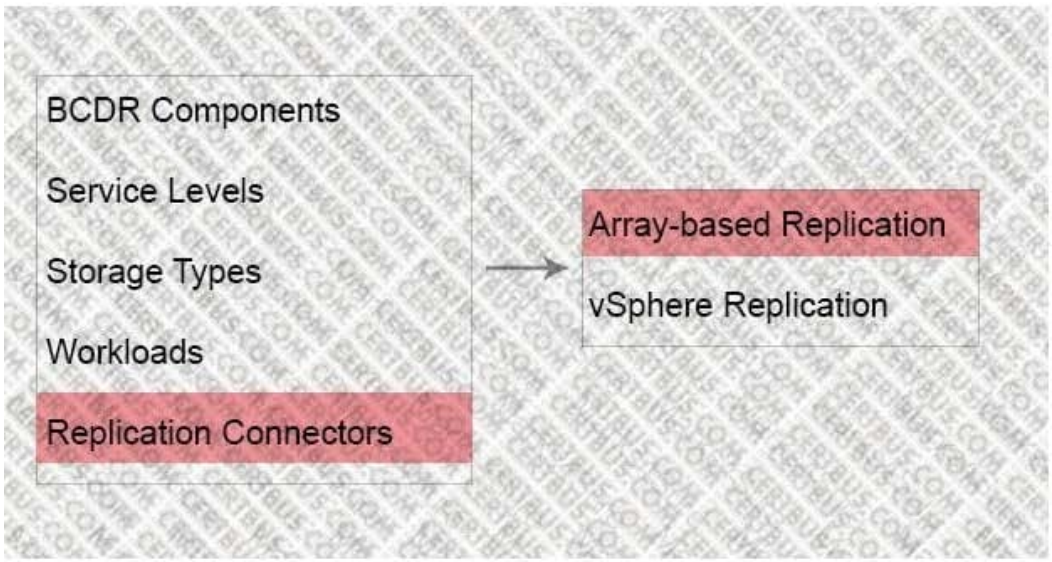
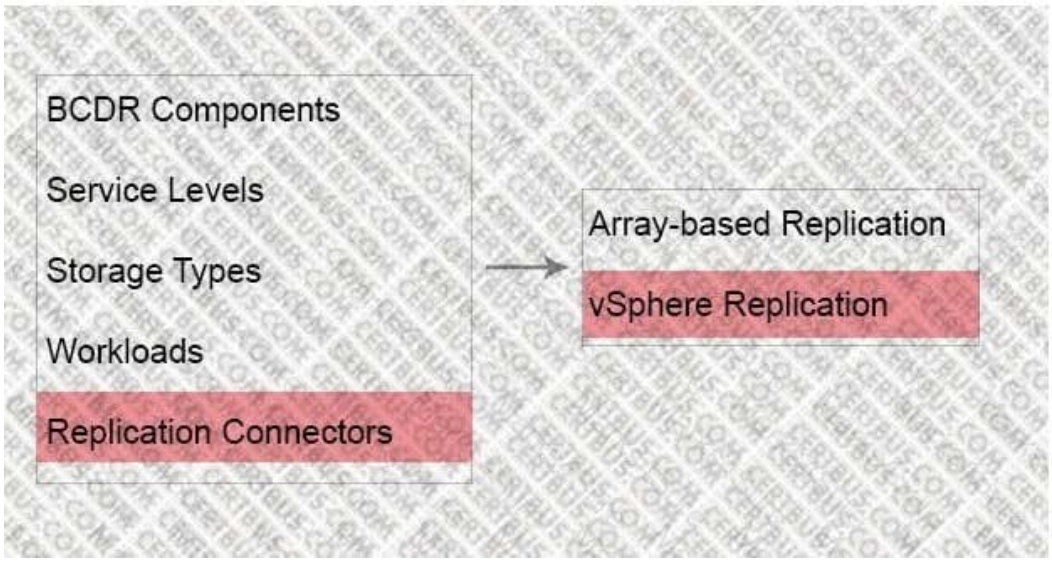


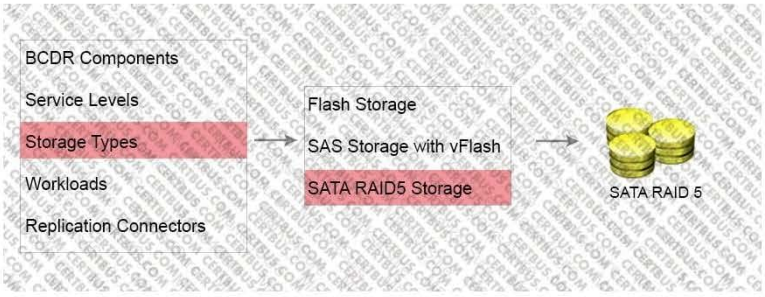




Check below for answer solution: Primary


BCDR Components
Service Levels
Storage Types
Workloads
Replication Connectors
Site Recovery Manager
VMware Data Protection
VDP


BCDR Components
Service Levels
Storage Types
Workloads
Replication Connectors
Gold SLA
Silver SLA
Bronze SLA
Gold SLA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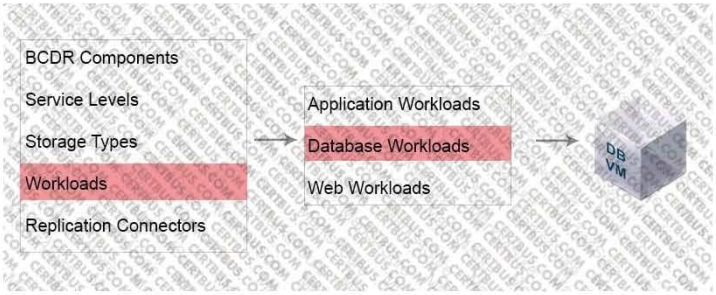
SATA RAID 5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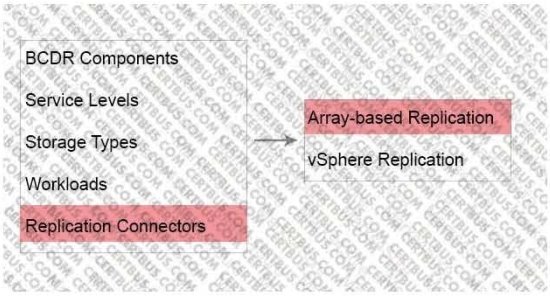
BCDR Components
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Replication Connectors
Array-based Replication
vSphere Replication


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Site Recovery Manager
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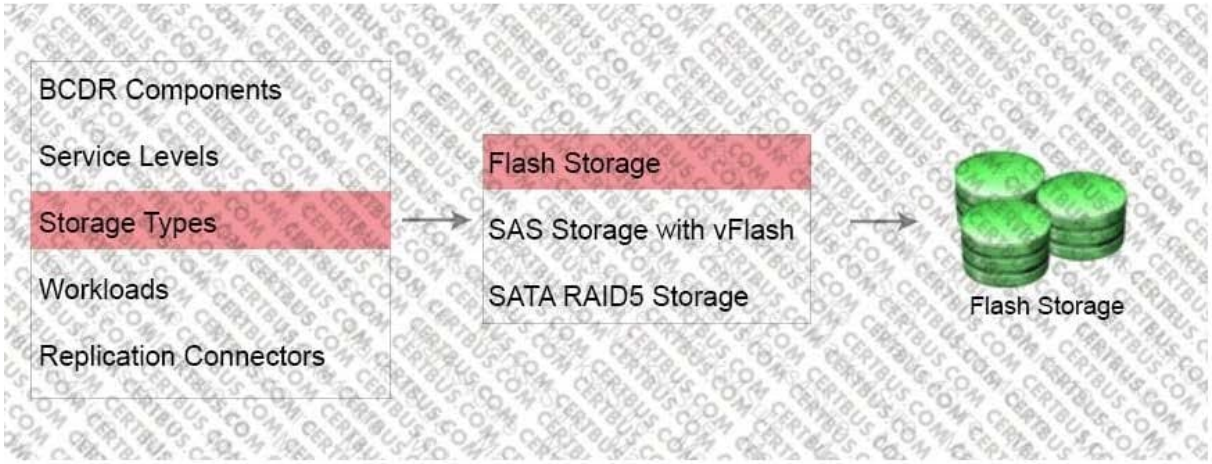
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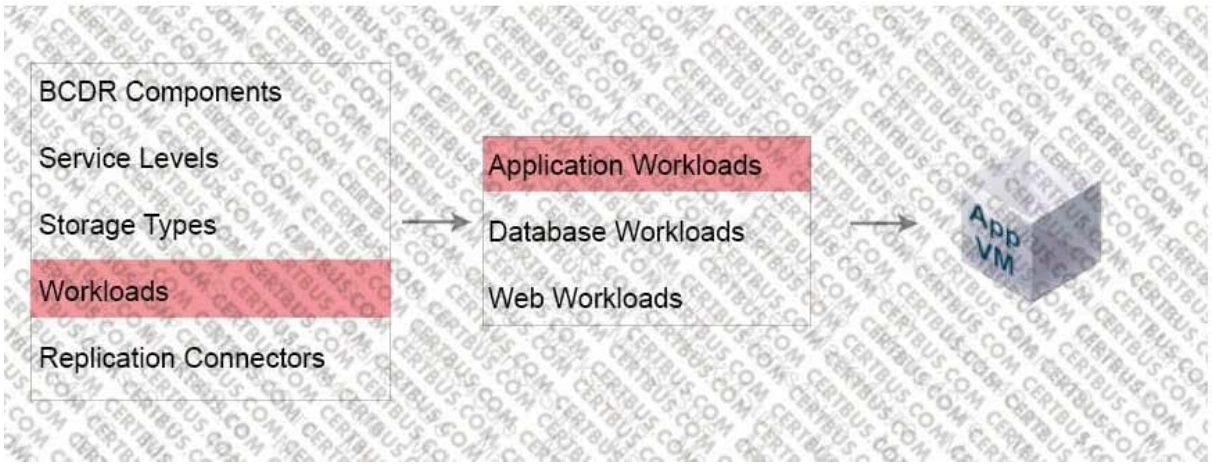
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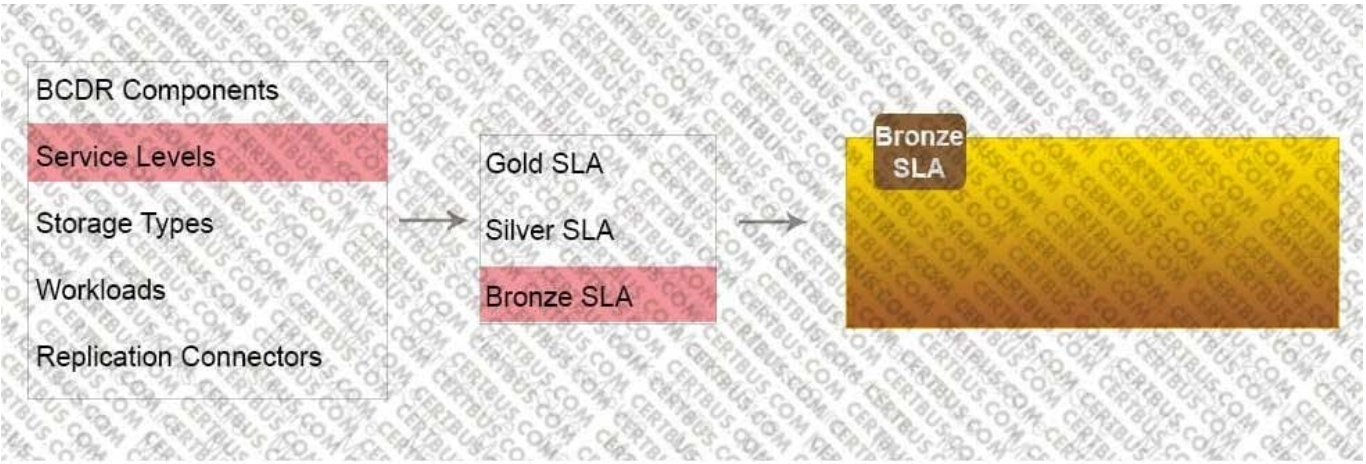
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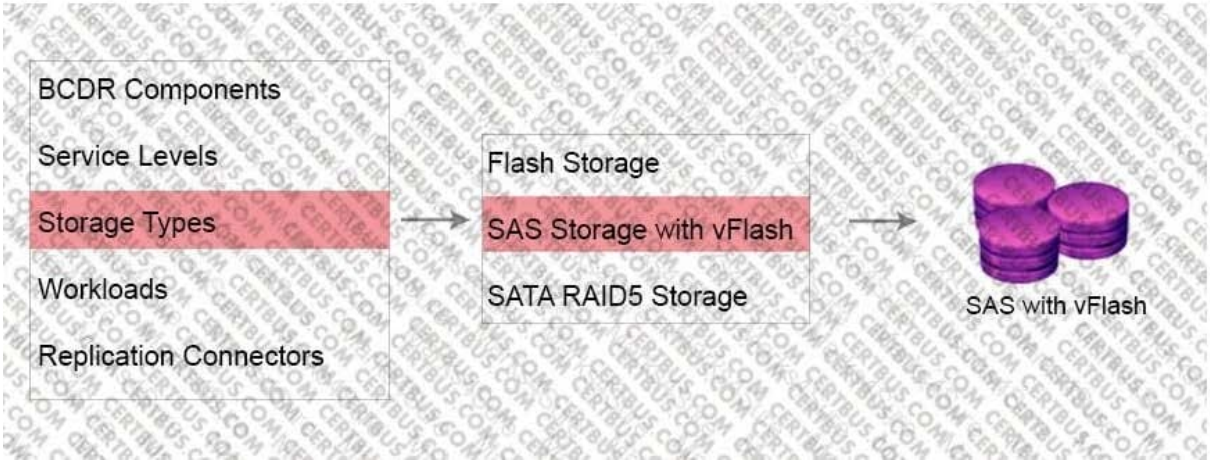
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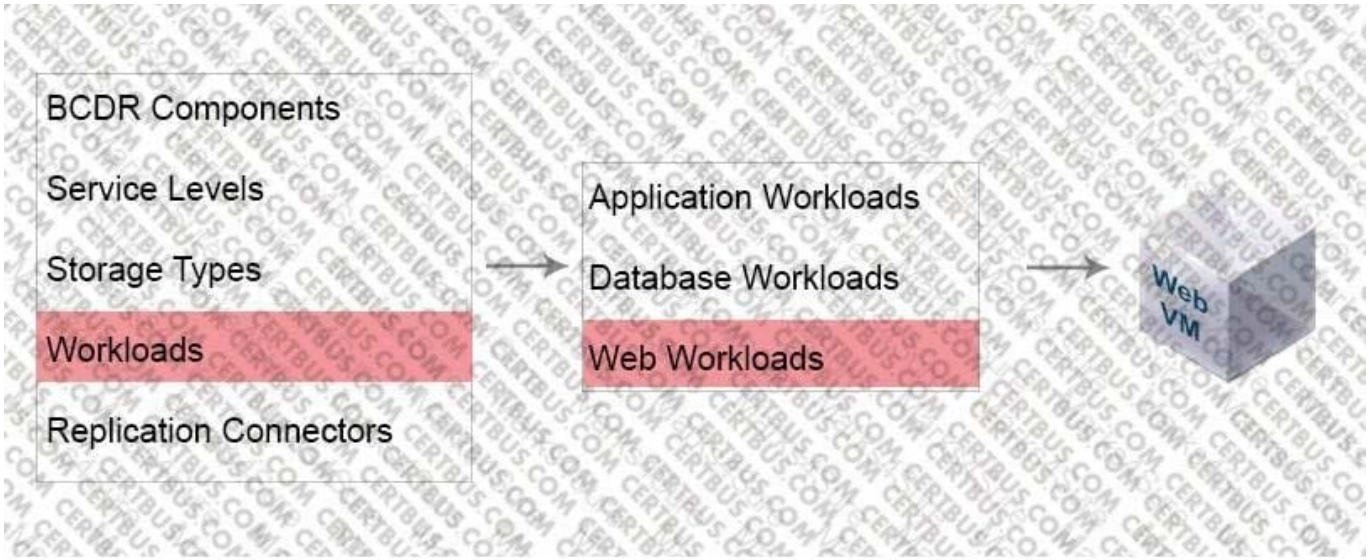

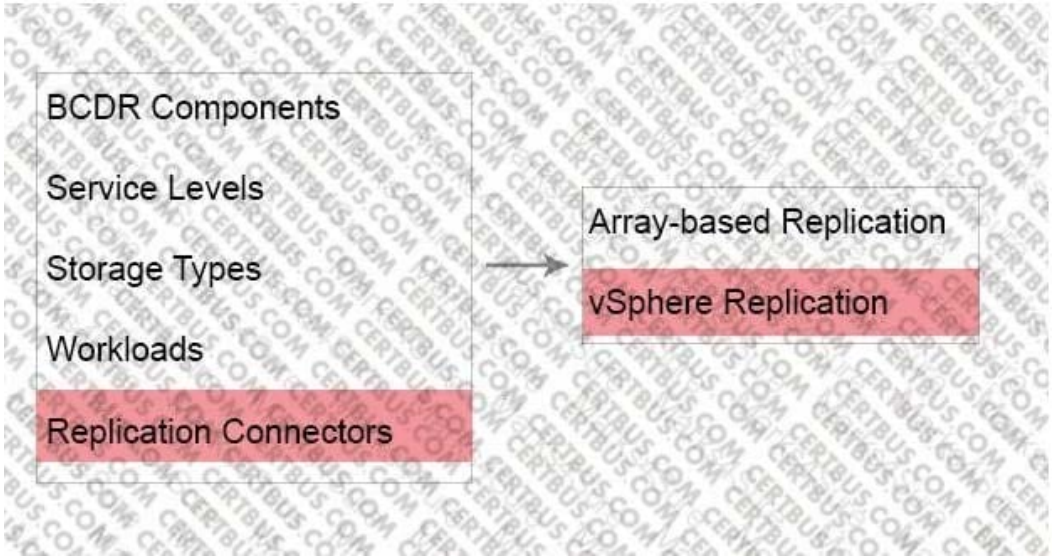

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