Exam Questions 3v0-624

VMware Certified Advanced Professional 6.5 - Data Center Virtualization Design Exam

https://www.2passeasy.com/dumps/3v0-624/

NEW QUESTION 1
A company is consolidating its IT operations efforts by moving the Finance, IT, and QA departments towards a self-service environment, following SDDC best practices.
• All departments have different priorities and expectations for uptime of the required infrastructure and applications.
• Project stakeholders are still discussing final approvals for the budget wan the CFO.
• To drive down the operating cost of the environment, only blade servers will implement this project.
• To ensure business continuity, a colocation provider was chosen to fail over virtual machines.
• The implementation of the project will follow a public reference architecture provided by VMware. What is the assumption in this scenario?

A. The chosen architecture is sufficient.
B. All departments demand different SLAs.
C. Final budget approvals are being discussed.
D. The environment will be shared by several departments.

Answer: A

NEW QUESTION 2
View the exhibit.
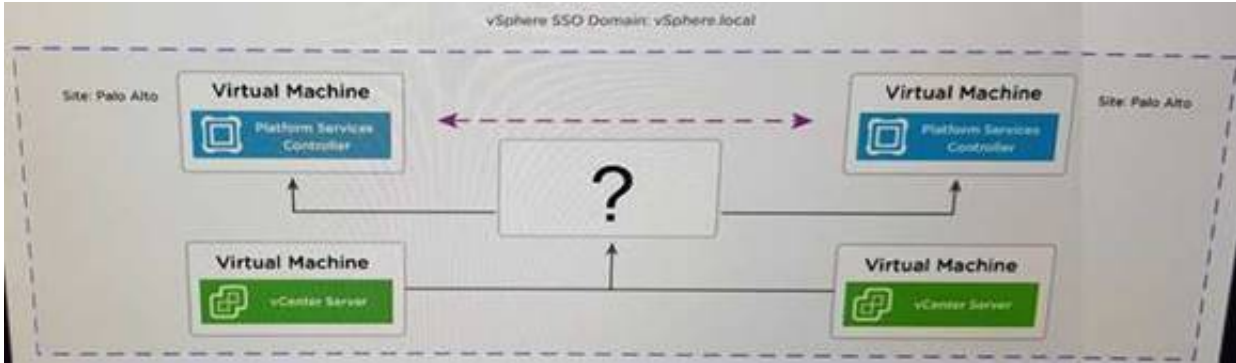
Referring to the exhibit, which appliance or device belongs in the square with the question mark?

A. Firewall Appliance
B. Load Balance
C. Platform Services Controller
D. vCenter Server Appliance

Answer: A

NEW QUESTION 3
You have been tasked with creating a vSphere 6.5 data center design for an organization. The customer has decided to virtualize their database application and has provided specific design requirements. You must determine how these requirements map to the design characteristic(s).
Match Database Requirements with Design Characteristics by dragging the red button (R1-R5) over the text of the appropriate Design Characteristic.
NOTE: Database Requirements can be mapped to more than one Design Characteristic.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 4
A company is a leading provider for an online travel booking system with over a $1,000,000 turnover each day. The company warns to leverage VMware cloud solutions to consolidate, scale, and ensure high
availability for all of its data centers.
Match each business requirement to its appropriate design concept.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Performance --> Infrastructure must be properly provisioned...Recoverability --> Design should require less than 5' to restore...Security --> WAN links between..Manageability --> DCs should be administered by a centralized consoleAvailability --> Architecture must support DC level resiliency

NEW QUESTION 5
You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization has identified a number of challenges that occur within their current infrastructure that they would like addressed in the design. For each challenge, determine the vSphere technologies that could be used in the design.
Match each Challenge on the left by dragging the red Challenge buttons (C1-C4) over the appropriate Technology.

Challenge

C1	We can test often enough to determine if a solution is plausible.
C2	Managing the recovery and relocation of our current servers is a manual process.
C3	We continue to lose money due to frequent application server crashes.
C4	Server maintenance causes excessive application downtime.

Technology

vSphere HA

vSphere Fault Tolerance

vSphere Data Protection

Virtual Machine Snapshots

VMware vSphere vMotoin

Distributed Resource Scheduler

Virtual Machine Cloning

vSphere Update Manager

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Challenge

C1	We can test often enough to determine if a solution is plausible.
C2	Managing the recovery and relocation of our current servers is a manual process.
C3	We continue to lose money due to frequent application server crashes.
C4	Server maintenance causes excessive application downtime.

Technology

vSphere HA   C4

vSphere Fault Tolerance   C3

vSphere Data Protection

Virtual Machine Snapshots   C2

VMware vSphere vMotoin   C4

Distributed Resource Scheduler

Virtual Machine Cloning   C1

vSphere Update Manager   C4

NEW QUESTION 6
Customer Information
The Customer labtown is looking to purchase a new storage system and has hired you to create a logical design. Labtown requires no single points of failure when it comes to the fabric connecting the storage. Labtown has already decided that the new storage system will be using fibre to re-use as much of the previous hardware as possible to increase ROI. Labotwn would also like a tiered disk system broken into three categories with the database sitting in the fastest tier, the two web servers sitting in the medium tier, and the file server sitting in the slowest tier.
Create a logical design for Labtowns new Storage System Requirements
- Create a tiered storage system for Labtown - No single points of failure - Insure storage performance SLA's are met with the four line of business VM's
Instructions
- Place VM's on the bottom of the page and connect them with the connector to the storage LUN they will belong to.
- Connect the stroage LUN with the service processor with the connector
- Connect the storage processors to the SAN switch
- Place HBA's just below the host, as long as they are close to the host points will be scored
- Connect HBA's to SAN switches with either the Fixed, MRU, or RR Connector to dictate the PSP Policy for storage on the ESXi host.
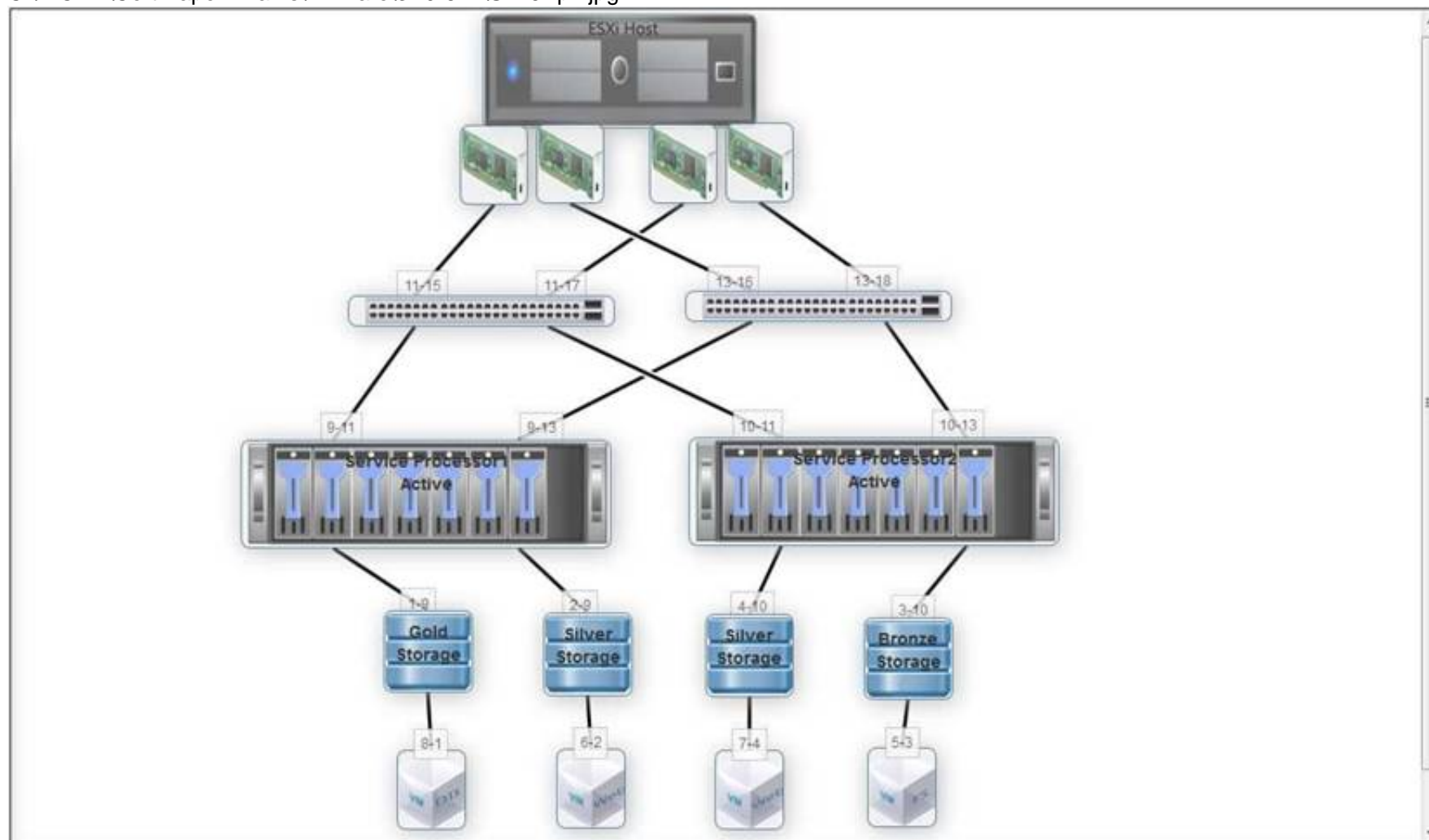
A. Mastered
B. Not Mastered

Answer: A

Explanation:
Check below for answer solution
C:\WORK\Cert Paper Exams\VMware\3V0-622\SIm9Aph.jpg

NEW QUESTION 7
The hardware operations team is planning to purchase new ESXi hosts for the upcoming budget year and is requesting recommendations on the type of servers to purchase for a web application. The web application consists of hundreds of small virtual machines (1 vCPU and 8GB of RAM) that are members of a software cluster.
The solution should have these abilities:
• recover from ESXi host hardware failures
• zero downtime for a limited number of critical virtual machines (VMs)
• migrate running VMs between ESXi hosts without interruption to the operating system
• perform these functions using VMware ESXi servers, vCenter Server, and high-speed network interfaces What are the three functional requirements and their associated VMware technologies? (Choose three.)

A. automatic restarts of failed VMs (vSphere HA)
B. high speed network interfaces (vSphere Distributed Switches)
C. ability to migrate running VMs (vSphere vMotion)
D. fault tolerance for limited number of critical VMs (vSphere FT)
E. VMware ESXi Servers (vSphere Auto Deploy)

Answer: ACD

NEW QUESTION 8
A company is in the process of deploying a modern video-streaming application.
• The application is able to scale (expand and collapse) its steaming nodes in the form of CentOS 7.x 64bit virtual machines, based on demand.
• This IO-Intensive application has a high CPU demand and generates a significant number of disk operations (IOPS).
• To host the application, the company decided to implement a brand-new VMware cluster with vSphere 6.5
• The company would like a significant reduction in CPU utilization as well as a possible increase in throughput.
Which virtual disk adapter should be recommended for the company's physical design?

A. LSI Logic Parallel
B. VMware Paravirtual
C. BusLogic Parallel
D. LSI Logic SAS

Answer: B

NEW QUESTION 9
You have been tasked with creating a vSphere 6.5 design for an organization. The organization is looking to implement a Virtual SAN into their environment. You have been tasked with determining whether a given Virtual SAN logical design decision meets the technical requirements of their infrastructure.
For each Design Decision on the left drag the red Decision buttons (D1-D8) on the right and place it on the proper Technical Requirement.
NOTE: Not all Design Decisions will be used.

Design Decision

	Design Decision
D1	2 each 1 Gbps NICs
D2	2 each 10Gbps NICs
D3	FTT = 2
D4	4 hosts 2U each + 1 Blade server
D5	4 hosts 4U each
D6	4 hosts 2U each + 2 Blade servers
D7	Stripe Width = 1
D8	Stripe Width = 3

Technical Requirement

- Data Availability
- Throughput
- Write Performance
- Cluster Size

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Design Decision

	Design Decision
D1	2 each 1 Gbps NICs
D2	2 each 10Gbps NICs
D3	FTT = 2
D4	4 hosts 2U each + 1 Blade server
D5	4 hosts 4U each
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D7	Stripe Width = 1
D8	Stripe Width = 3

Technical Requirement

- Data Availability: D2 D5 D8
- Throughput: D2 D6 D7
- Write Performance: D1 D3 D5
- Cluster Size: D4

NEW QUESTION 10
A company's CTO is very concerned about web server outages that are caused by server hardware failures. Which feature can protect the web server virtual machine from this kind of outage?

A. vCenter High Availability
B. Proactive High Availably
C. High Availability Orchestrated Restart
D. High Availability Admission Control

Answer: B

Explanation:
http://www.vmwarearena.com/vsphere-6-5-high-availability-new-features-proactive-ha/vSphere 6.5 High Availability (HA) now also detect the hardware conditions of the ESXi host and allow you to evacuate the Virtual machines before the hardware issues cause an outage to Virtual machines with the help of Proactive HA.

NEW QUESTION 10
When planning on resource use for the servers, you should plan on leaving resources availablefor all the following except .

A. patching
B. maintenance mode

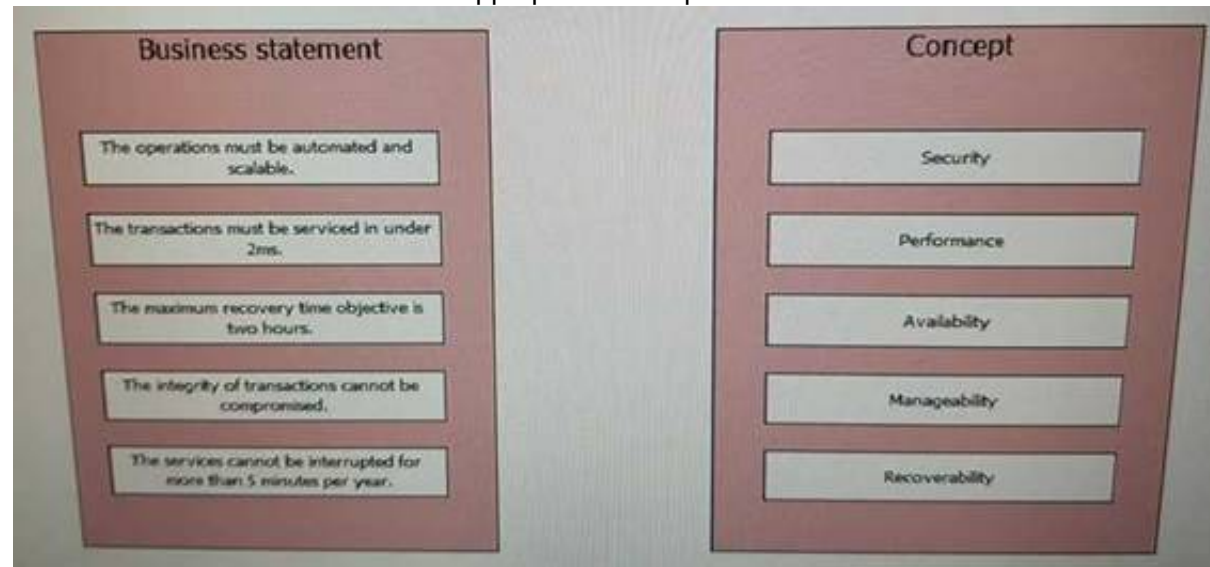C. future growth
D. log file space

Answer: D

NEW QUESTION 15
A validation plan is used to do which of the following? (Select all that apply.)

A. Verify the design
B. Verify that the system is functional
C. Verify that the system meets requirements
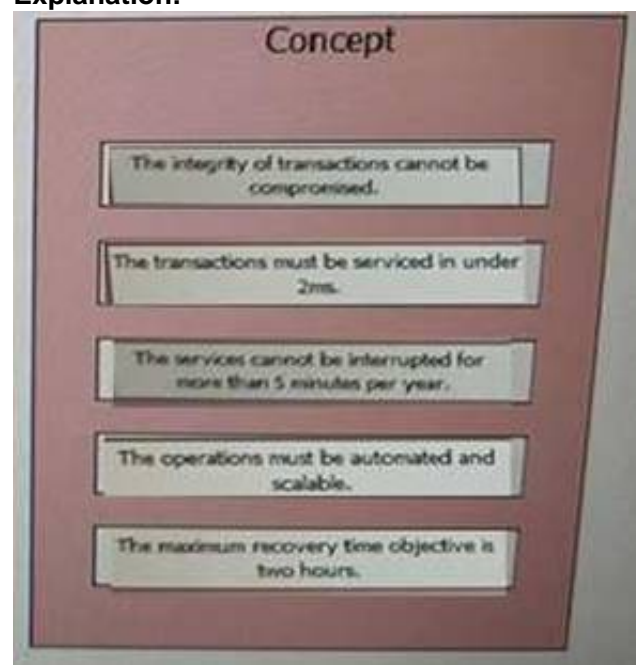D. Meet current best practices

Answer: ABC

NEW QUESTION 19
Match the business statement to its appropriate concept.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 20
A customer has these requirements for storage:
• Protocol used must have a file based access.
• Protocol used must have built in native multipathing.
• protocol used must support authentication.
To meet these requirements, which protocol should be used for storage?

A. NFS v3
B. NFS v4.l
C. FCoE
D. iSCSI

Answer: B

NEW QUESTION 24
An architect is designing a vSphere 6.5 implementation.

• The customer requires Cross vCenter vMotion for the newly-created data centers in New York and Houston.
• Each data center will use different IP networks for management and vMotion.
When creating a vMotion network, which two statements are required in order to use Cross vCenter Server vMotion? (Choose two.)

A. vMotion Networks in both data centers must be in the same L2 stretched VLAN.
B. The virtual machine port groups must use the same name.
C. VMkernel port for vMotion must be configured with vMotion TCP/IP Stack with the correct gateway.
D. vMotion networks in both data centers must be routable over L3 network.

Answer: CD

NEW QUESTION 29
You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization has provided a number of requirements, resulting in a preliminary vSphere cluster design shown in the Scenario. The organization has purchased additional servers configured with large amounts of resources (i.e. CPU, RAM) that could be integrated into the cluster design. Consider each vSphere cluster design and determine the benefit of adding additional servers to the design.

Based on customer requirements, a vSphere Cluster design has been defined:	

Cluster A (8 ESXi hosts)	- **High Performance** Resource Pool – 70% of all cluster resources, virtual machines have dedicated reservations for CPU and Memory that do not expand.
	    - Contention Present: None
	    - VMs: 20
	- **Infrastructure** Resource Pool – 30% of all resources, virtual machines have dedicated reservations for CPU and Memory that do not expand
	    - Contention Present: None
	    - VMs: 12

Cluster B (3 ESXi hosts)	- **Development** Resource Pool – 50% of all resources, virtual machines have no CPU or Memory reservations present.
	    - Contention Present: Memory Contended, no CPU Contention
	    - VMs: 18
	- **Reporting** Resource Pool – 50% of all resources, virtual machines memory reservation may expand, no CPU reservation present.
	    - Contention Present: Memory Contended, CPU Contended
	    - VMs: 2

Cluster C (6 ESXi hosts)	- **Client Back-End Hosting** Resource Pool – 75% of all resources, virtual machines have CPU and Memory limits
	    - Contention Present: Memory Contended
	    - VMs: 5
	- **Client Front-End Hosting** Resource Pool – 25% of all resources, virtual machines have no CPU limits, however memory limits are in place.
	    - Contention Present: Memory contended, no CPU Contention

Match the Action on the left by dragging the red buttons (A1-A3) over the text of the corresponding Effect. NOTE: Actions taken might have more than one Effect on the cluster design.

Database Requirements

R1

R2

R3

Add servers to Cluster A

Add servers to Cluster B

Add servers to Cluster C

Design Characteristics

Provides additional CPU resources to every virtual machine in the cluster.

Provides additional memory resources to every virtual machine in the cluster.

Provides additional CPU resources to some virtual machines in the cluster.

Provides additional memory resources to some virtual machines in the cluster.

No benefit to virtual machine CPU resources.

No benefit to virtual machine memory resources.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Database Requirements

R1	
■	Add servers to Cluster A
■	
R2	Add servers to Cluster B
R3	Add servers to Cluster C

Design Characteristics

	Provides additional CPU resources to every virtual machine in the cluster.
R3	Provides additional memory resources to every virtual machine in the cluster.
R2	Provides additional CPU resources to some virtual machines in the cluster.
R1	Provides additional memory resources to some virtual machines in the cluster.
	No benefit to virtual machine CPU resources.
	No benefit to virtual machine memory resources.

NEW QUESTION 31
A customer is currently running a vCenter Server 5.5 environment with 48 identically-configured ESXi hosts.
• These ESXi hosts are divided into six 8-host HA/DRS clusters.
• The customer wants to upgrade to vSphete 6.5 and combine all of its ESXi hosts into a single 48-host HA/DRS cluster.
Place these actions in the correct order to accomplish this.

| Action		Place here	
Upgrade the vCenter Server to 6.5.		Step 1	
Combine ESXi hosts to single HA/DRS cluster.		Step 2	
Back up the vCenter Server 5.5.		Step 3	
Upgrade ESXi hosts to version 6.5.		Step 4	
Upgrade SSO to Platform Services Controller.		Step 5	

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1 - Backup vCenter 5.52- Upgrade the SSO to PSC3-Upgrade vCenter to 6.54- Upgrade ESXi hosts to version 6.55- Combine ESXi hosts to single...

NEW QUESTION 36
Categorize the tools as providing either Availability or Recoverability.
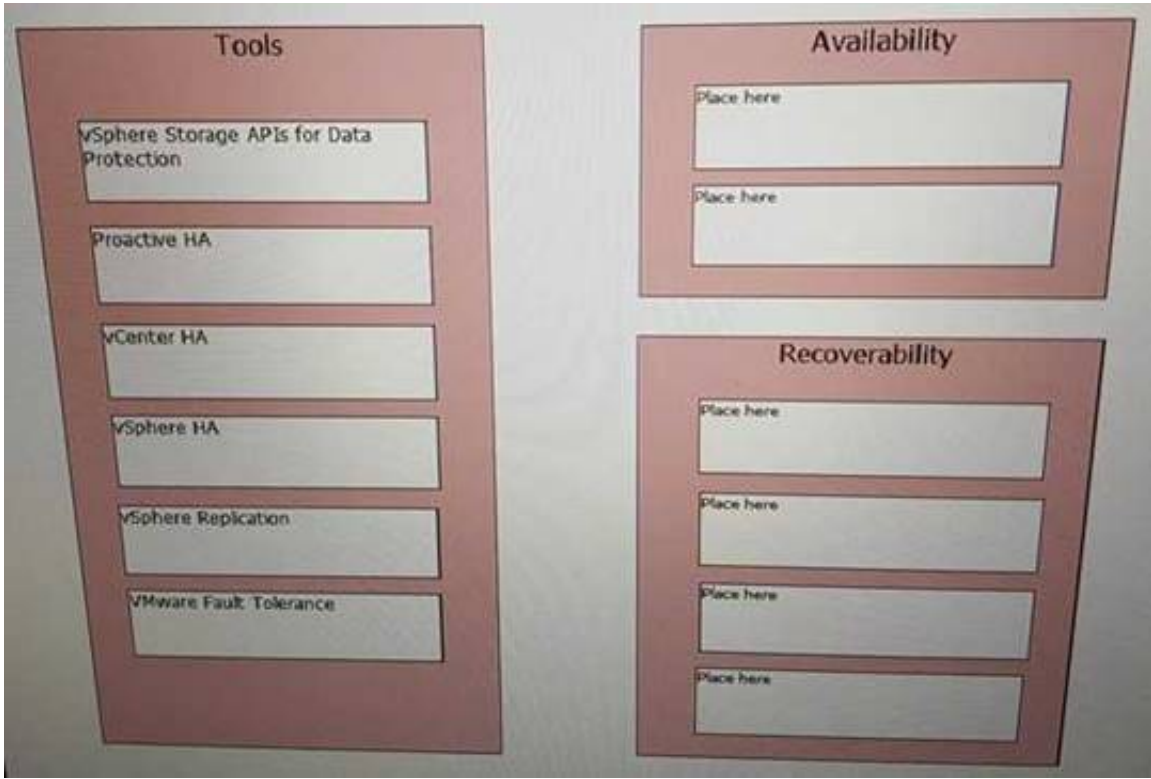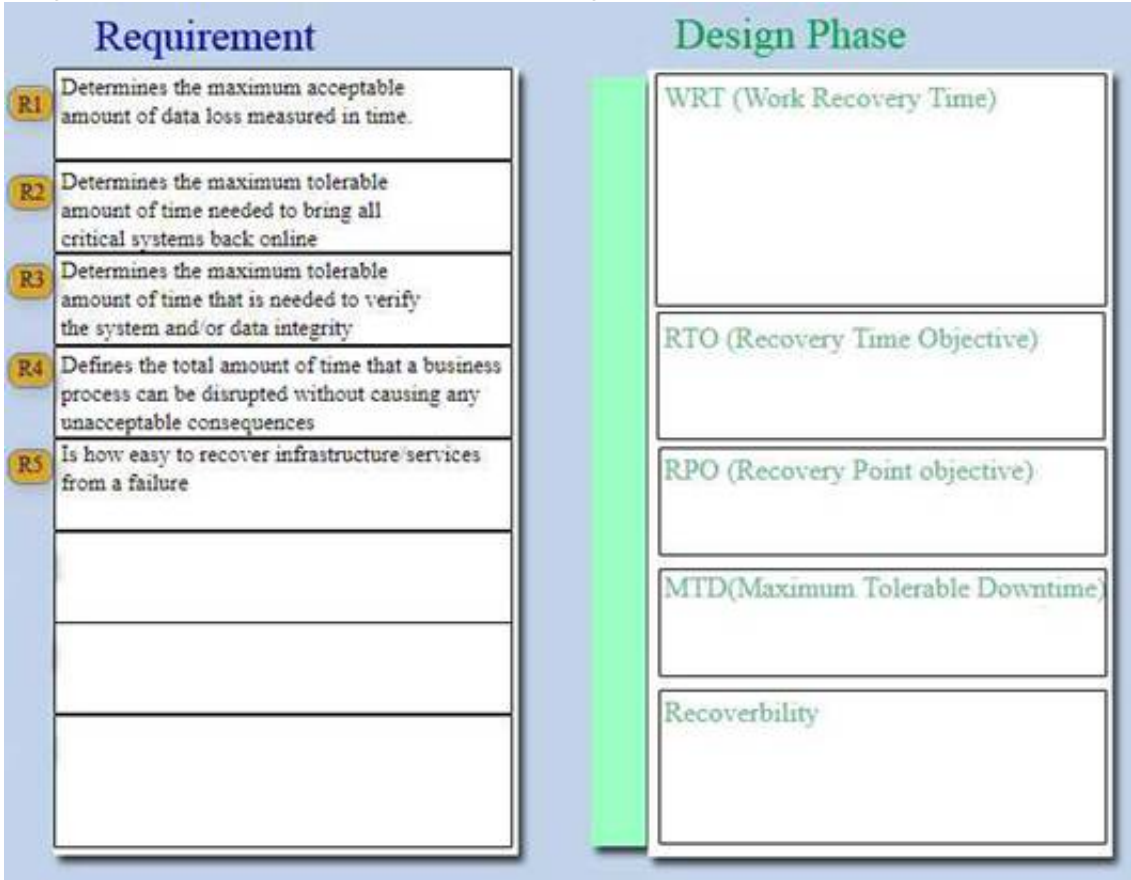
A. Mastered
B. Not Mastered

Answer: A

Explanation:
AvailabilityFTHARecoverabilityProactive HAvCenter HAvSphere ReplicationVADP
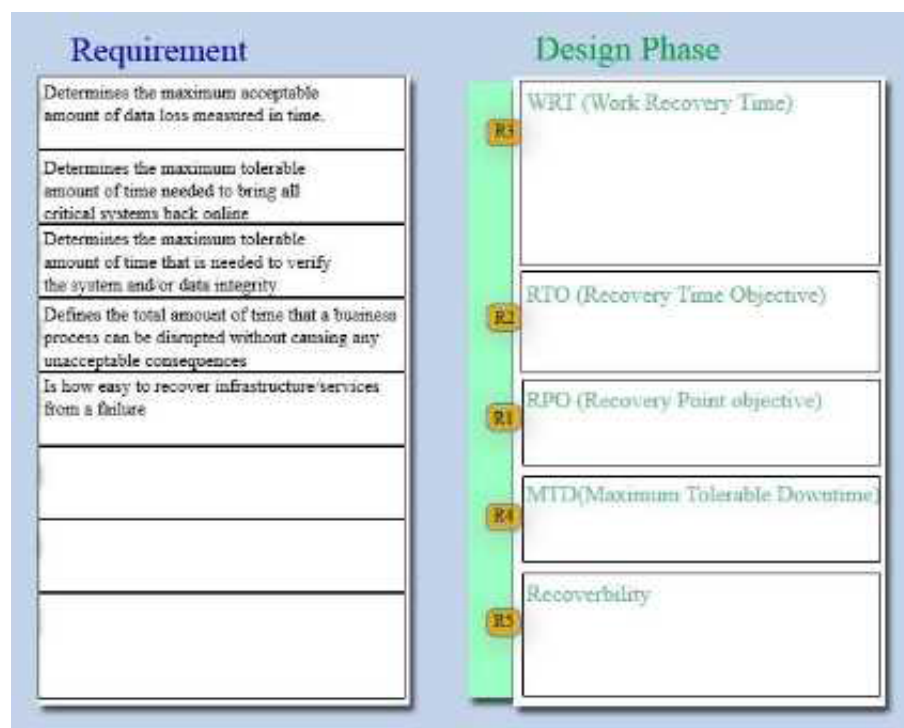
NEW QUESTION 37
You have been provided with a list of requirements for a vSphere Design. For each requirement, categorize the requirement as a component of the WRT, RTO, RPO, MTD, and Recoverbility.
Drag a requirement button (R1-R8) over to the green space provided beside the corrisponding Design Phase.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 42
A solution architect has been tasked with designing a new environment for a company's growing needs, and has obtained this information:
• Uptime is critical during regular business hours when 95% of the transactions occur. Application uptime must be 99.9% during those hours.
• In a true Disaster, the business can withstand a day of data loss and half a day of downtime.
• The company is one year into a 5-year contact with the co-lo data center.
• The building that is currently occupied no hanger has any floor space available, but the company has 3 empty racks of space. The co-lo can provide up to 11KVA of power per rack.
• There are current contacts with Dell to provide servers and with Cisco to provide the network components.
• The network team has standardized on an end-to-end 10Gb network.
Based on this information, what are two requirements for the new design? (Choose two.)

A. RTO of 24 hours.
B. RTO of 12 hours.
C. The application must be available 99.9% during business hours.
D. 11KVA of power is available per rack.

Answer: BC

NEW QUESTION 45
A customer has requested a vSphere 6.5 deployment design that utilizes vCenter Server and the use of vMware-recommended best practices for securing vCenter Server.
Which three actions would satisfy these requirements? (Choose three.)

A. Utlizing vSphere CLI and vSphere SDK for Perl scripts.
B. Restricting vCerter Server access to only the management network
C. Assigning the default Administrator role to all administrator users.
D. Synchronizing time in vCenter Server with a NIP source.
E. Removing expired and revoked certificates from vCenter Server system.

Answer: BDE

NEW QUESTION 46
A solutions architect has made the following design decisions:
• Leverage existing hardware that is certified on earlier versions of vSphere but is NOT on HCL for ESXi 6.5.
• Upgrade vCenter Server to version 6.5.
• Configure separate clusters based on ESXi versions 5.5, 6.0, and 6.5 for newly purchased, certified hardware.
• The underlying CPU family is compatible.
• There is enough resources available to vMotion virtual machines (VMs)
Given this scenario, what is the correct statement about the ability to vMotion virtual machines between versions of ESXi?

A. VMs created in vSphere 5.x must be upgraded first to newer virtual hardware and then be vMotioned to vSphere 6.5.
B. VMs created in vSphere 6.5 environment with default settings can be moved to ESXi 5.x.
C. VMs can be vMotioned to the same or newer version of ESXi.
D. VMs that are created after the vCenter Server 6.5 upgrade can be vMotioned between any supported versions of ESXi.

Answer: C

NEW QUESTION 51
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 < 15 minutes.
- Silver: Maximize read performance and provide automated offsite recovery with an RPO from 15 minutes to 24 hours.
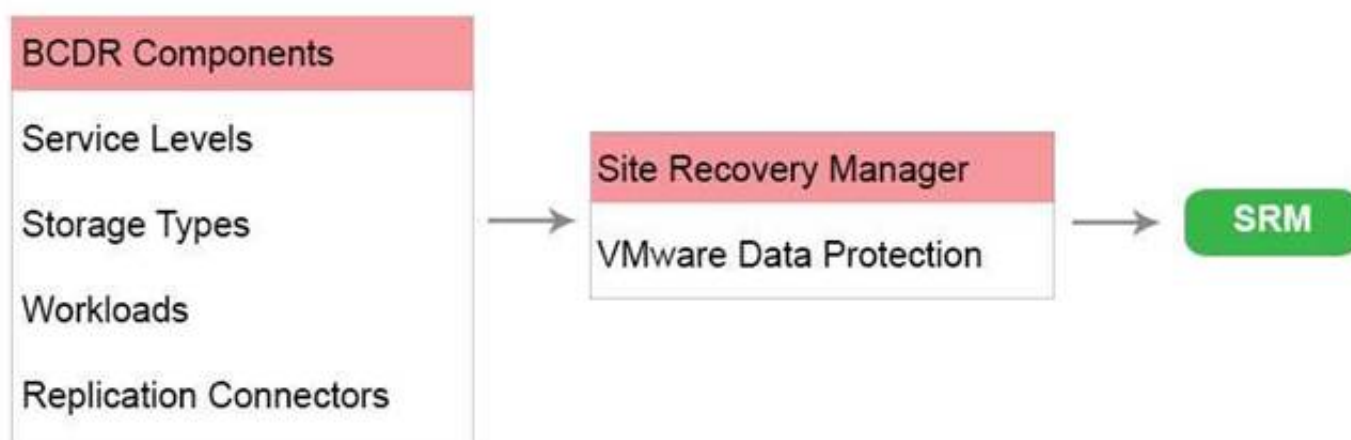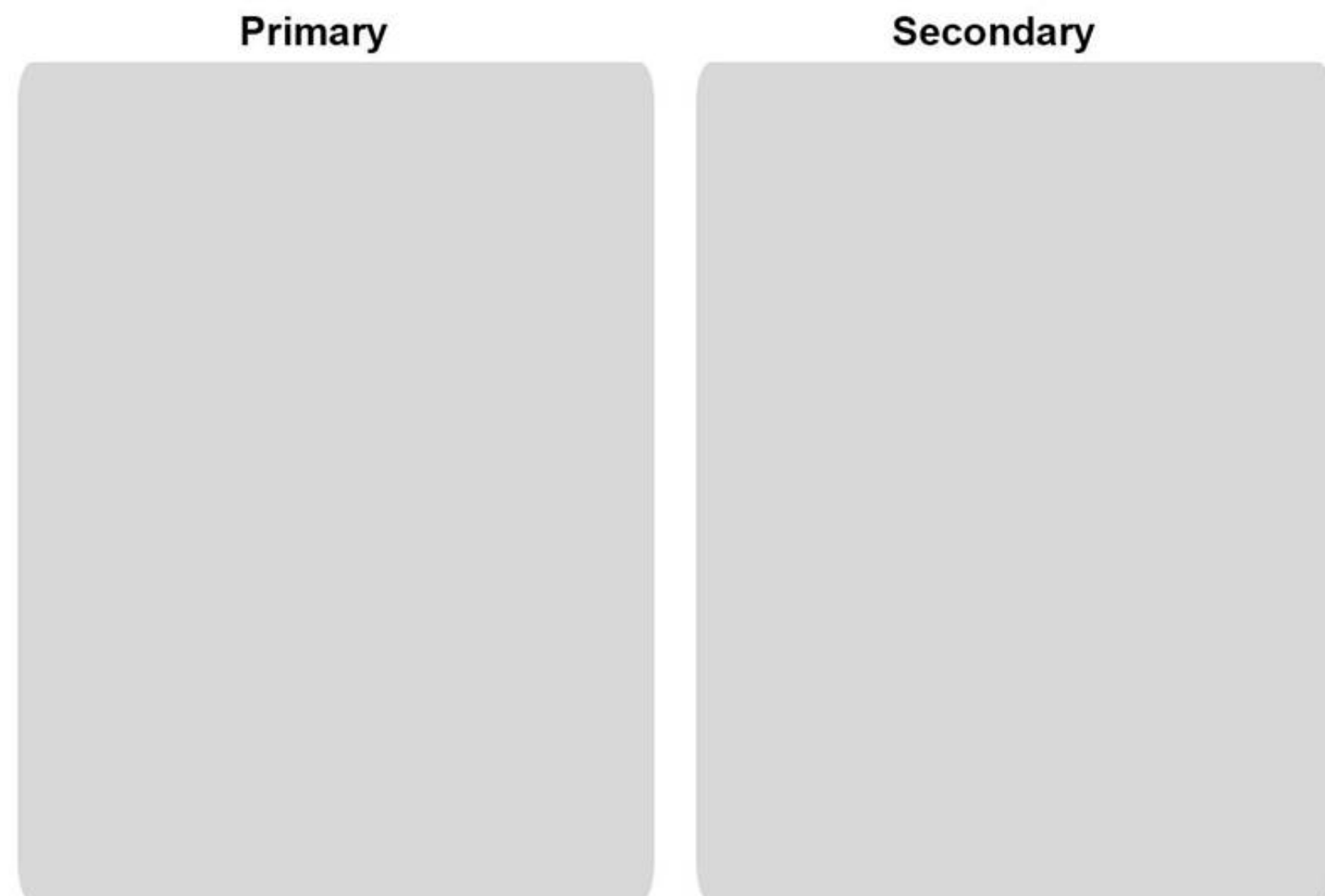- Bronze: No performance requirement. Onsite recovery with no specific RPO.
The organization has a number of web-based multi-tier applications that are governed by their SLAs. The workloads in these applications and their SLA assignments include:
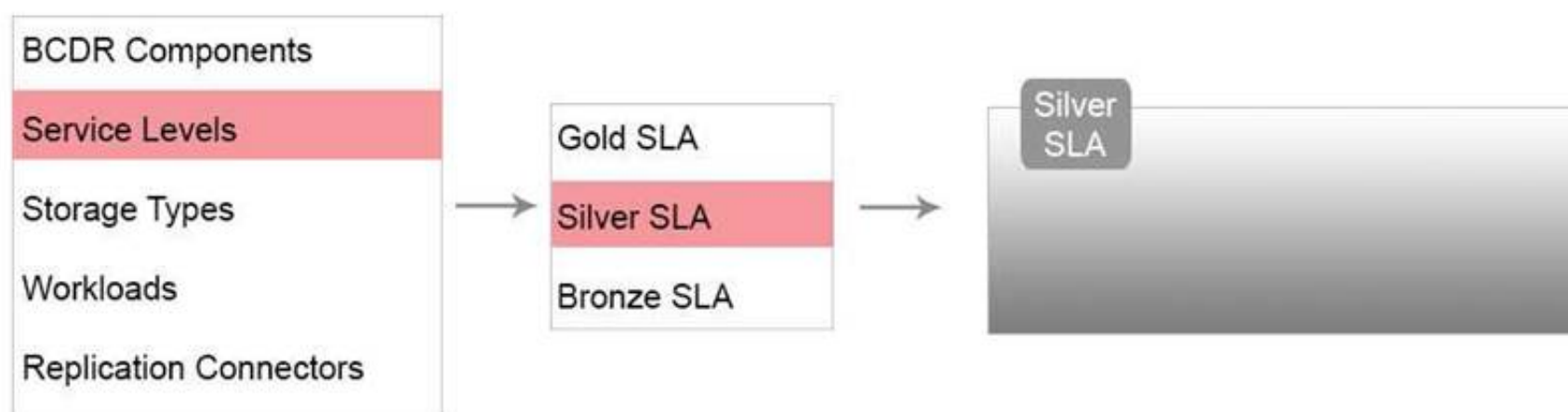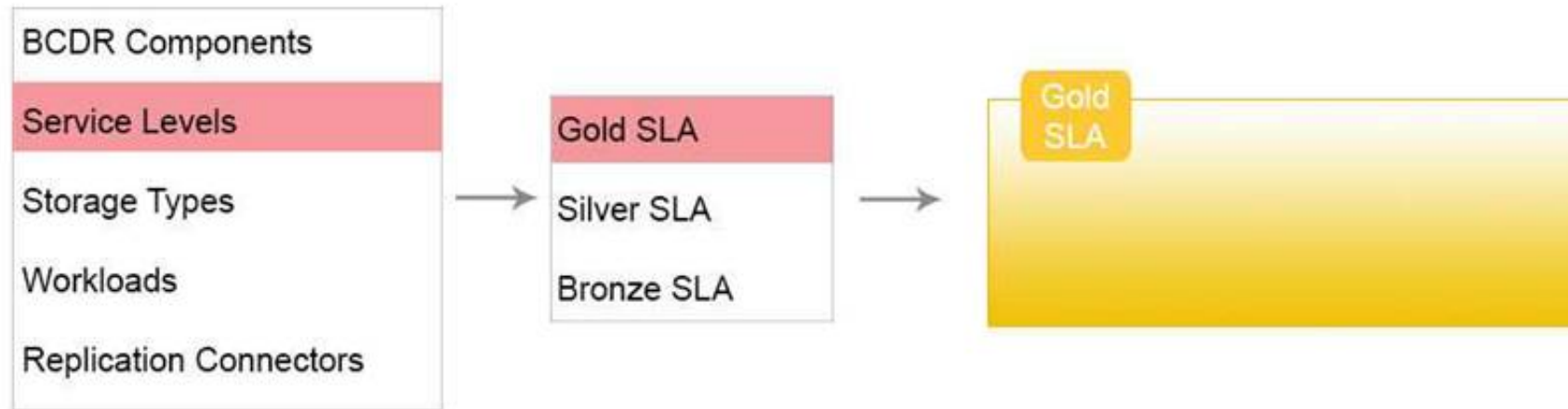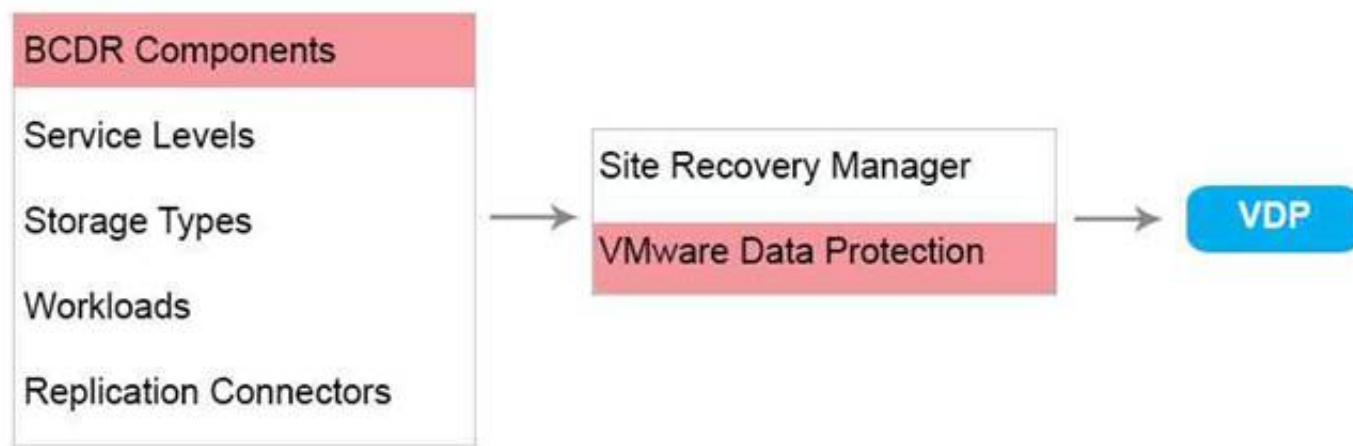- Database workloads – Gold
- Application workloads – Silver
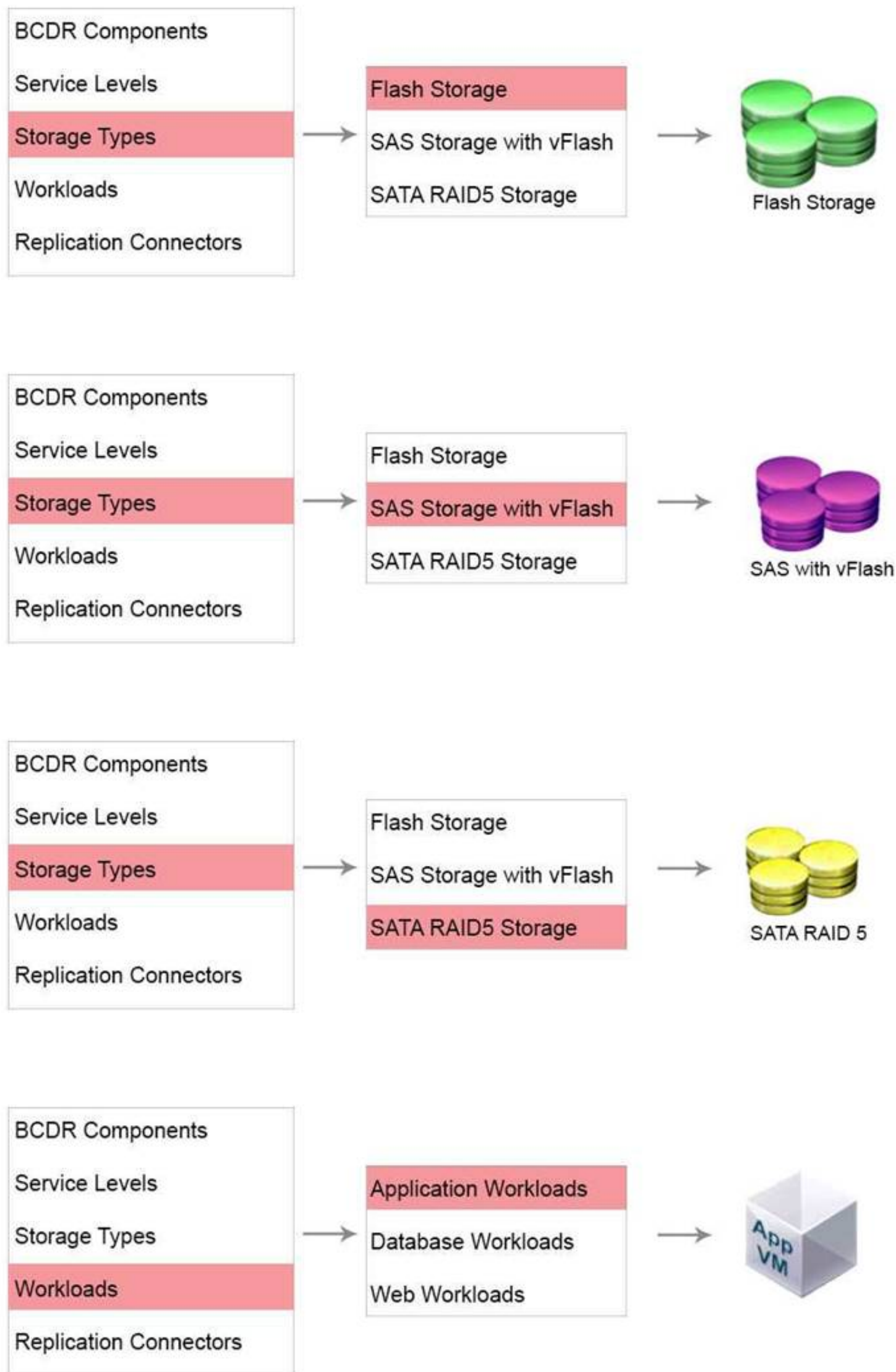- Web workloads – Bronze
Note that Web servers only contain static information that is site specific. Design Requirements:
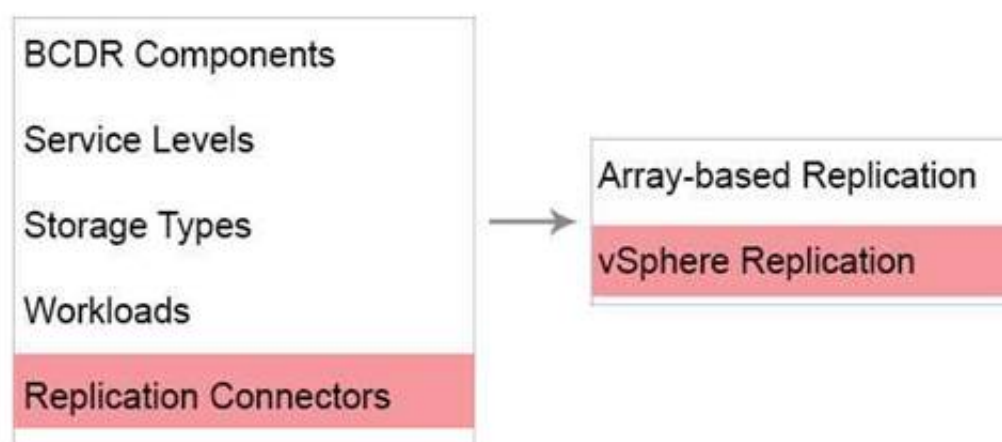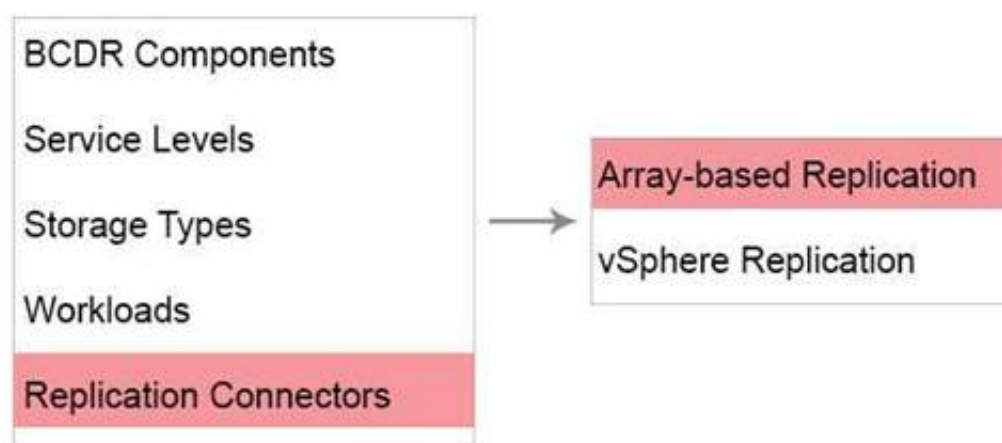Create a design that incorporates the required elements:
- Place an SLA container for each of the appropriate SLAs into the appropriate sites.
- Place the appropriate storage type(s) for each SLA into the SLA container.
- Place the appropriate workload(s) into the SLA containers.
- Place the appropriate BCDR components into the SLA containers.
- Connect any replicated storage between the two sites using the appropriate replication connector.

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

Workloads

Replication Connectors

→

Gold SLA

Silver SLA

Bronze SLA

→

Silver SLA

BCDR Components

Service Levels

Storage Types

Workloads

Replication Connectors

→

Gold SLA

Silver SLA

Bronze SLA

→

Bronze SLA

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Check below for answer solution Primary

BCDR Components

Service Levels

Storage Types

Workloads
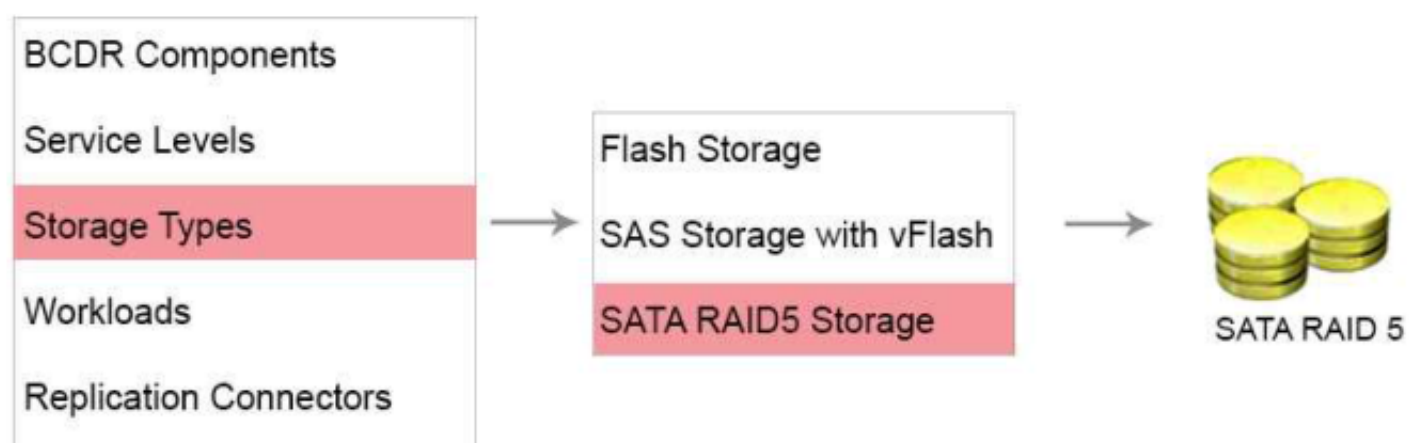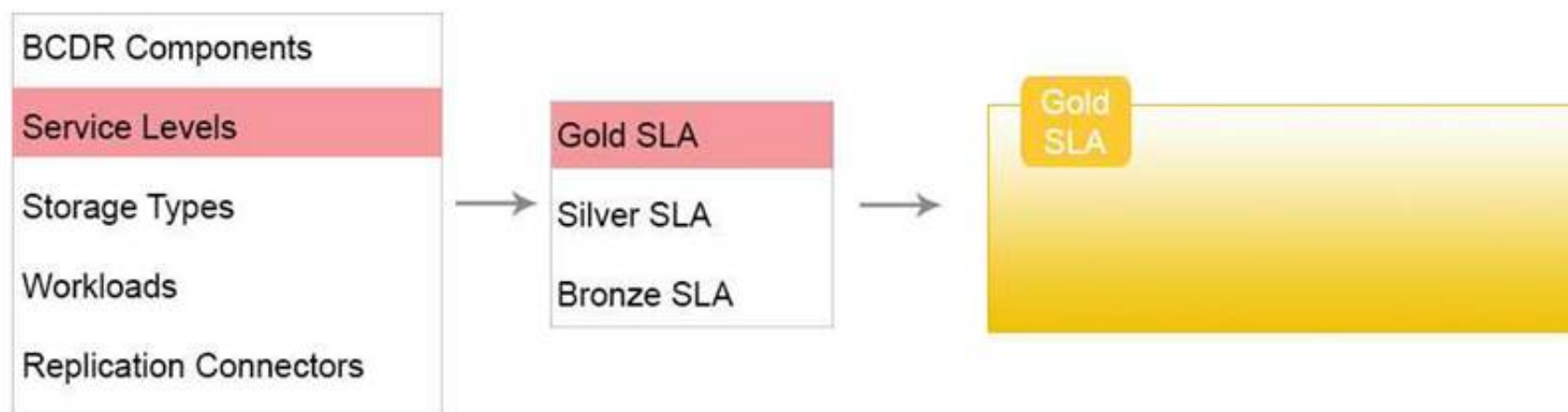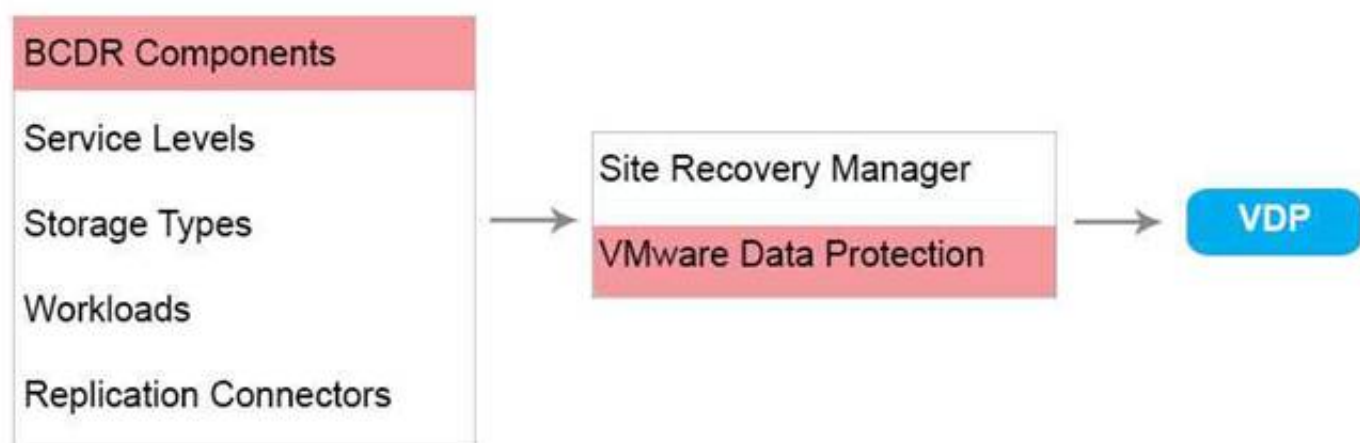
Replication Connectors

→

Site Recovery Manager

VMware Data Protection

→

VDP

BCDR Components

Service Levels

Storage Types

Workloads

Replication Connectors

→

Gold SLA

Silver SLA

Bronze SLA

→

Gold SLA

BCDR Components

Service Levels

Storage Types

Workloads

Replication Connectors

→

Flash Storage

SAS Storage with vFlash

SATA RAID5 Storage

→

SATA RAID 5

BCDR Components

Service Levels

Storage Types

Workloads

Replication Connectors

→

Application Workloads

Database Workloads

Web Workloads

→

DB VM

BCDR Components
Service Levels
Storage Types
Workloads
Replication Connectors

Array-based Replication
vSphere Replication

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

Gold SLA
Silver SLA
Bronze SLA

Silver
SLA

BCDR Components
Service Levels
Storage Types
Workloads
Replication Connectors

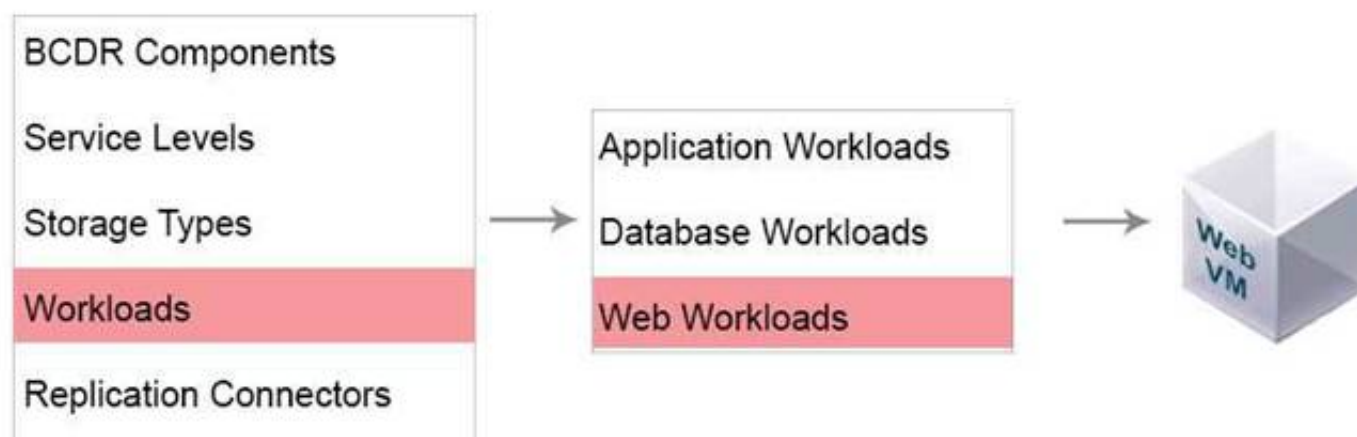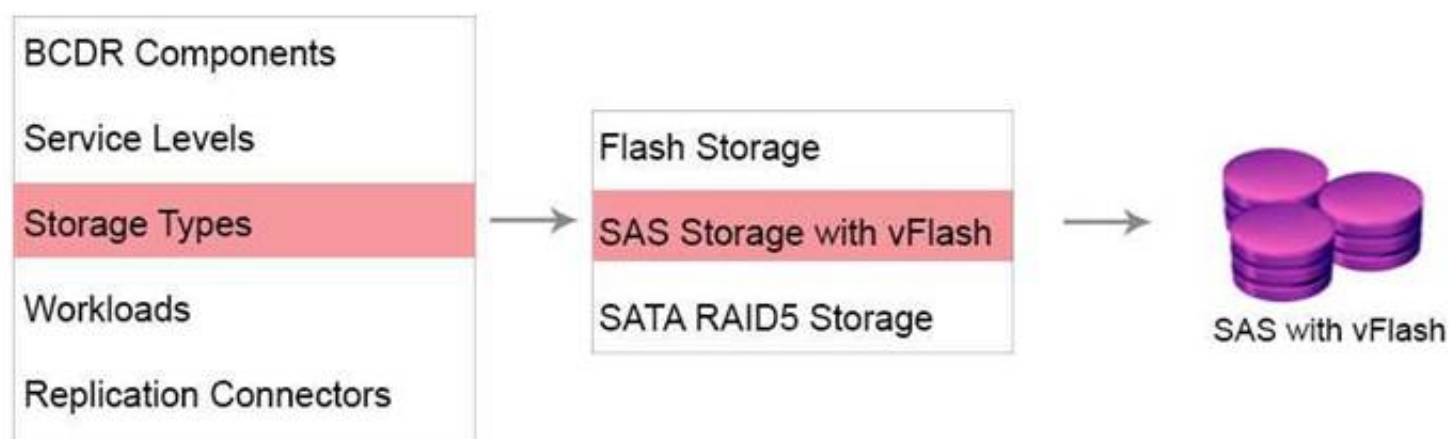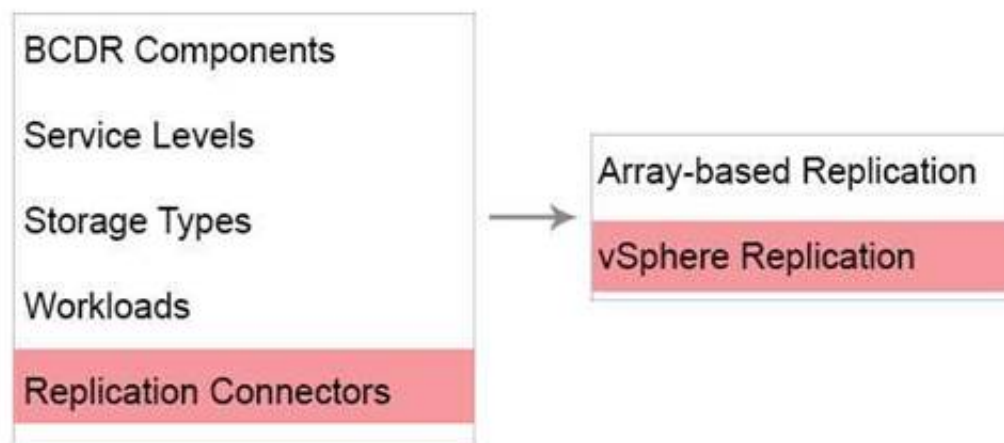| **Flash Storage** |
| --- |
| SAS Storage with vFlash |
| SATA RAID5 Storage |

Flash Storage

Secondary

NEW QUESTION 52
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