Vendor: VMware

Exam Code: 3V0-622

Exam Name: VMware Certified Advanced Professional 6 – Data Center Virtualization Design Exam

Version: Demo

QUESTION 1
CORRECT TEXT
Customer Requirements
You have been tasked with creating a vSphere 6.x 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.

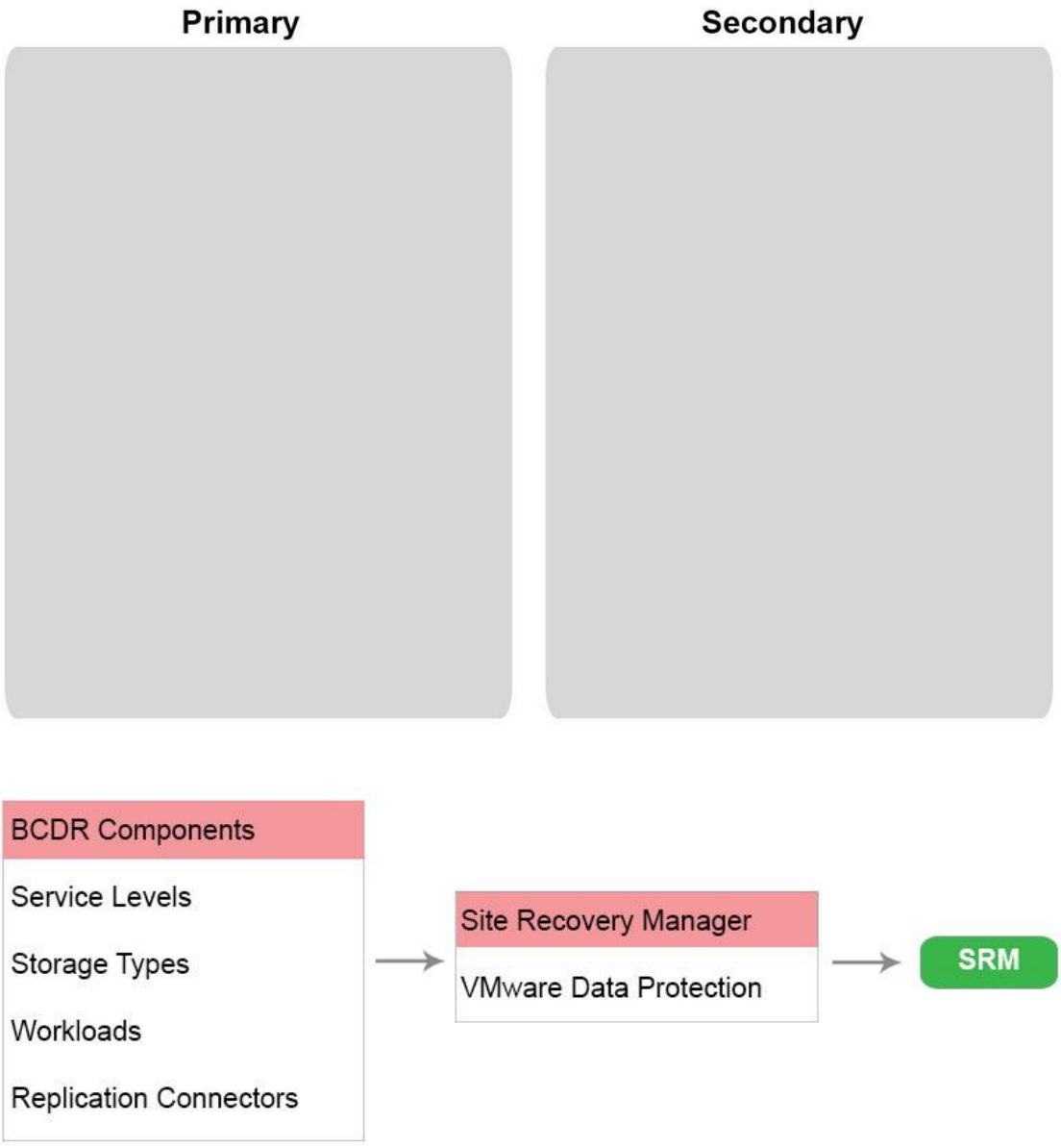
The organization has a number of web-based multi-tier applications that are governed by their SLAs. The workloads in these applications and their SLA assignments include:

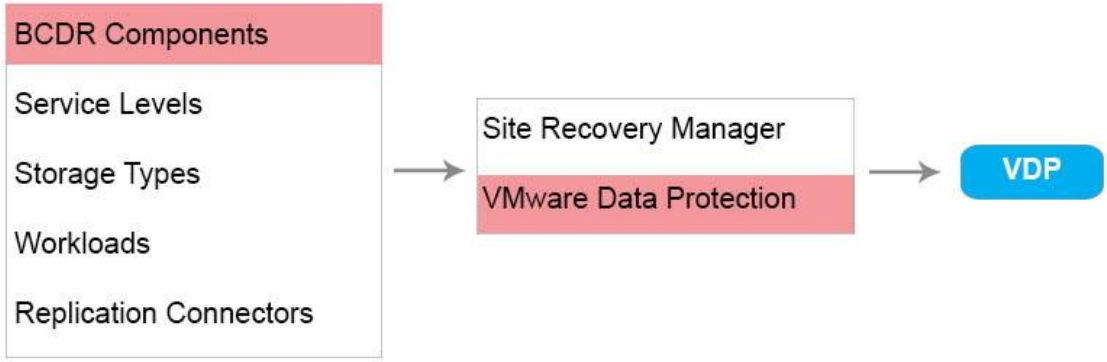
- Database workloads - Gold
- Application workloads - Silver
- Web workloads - Bronze

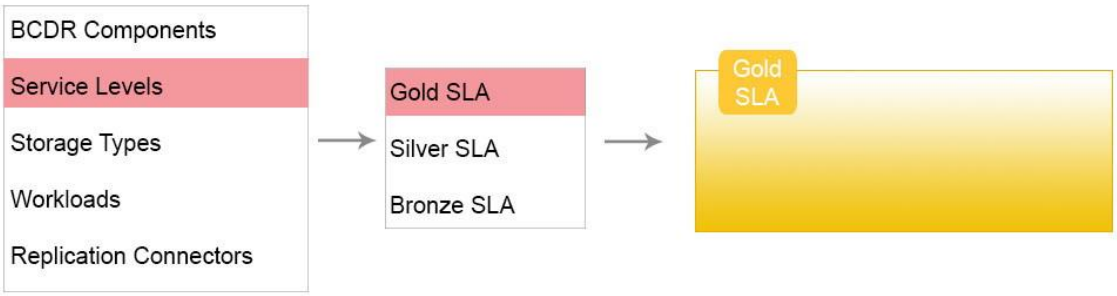
Note that Web servers only contain static information that is site specific.

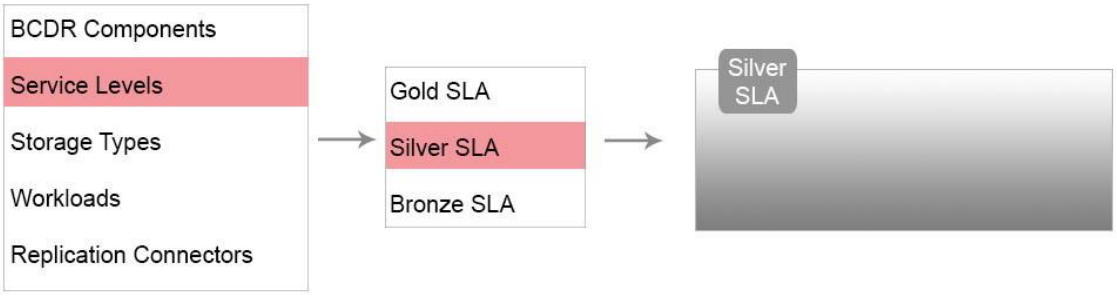
Design Requirements
Create a design that incorporates the required elements:

- 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
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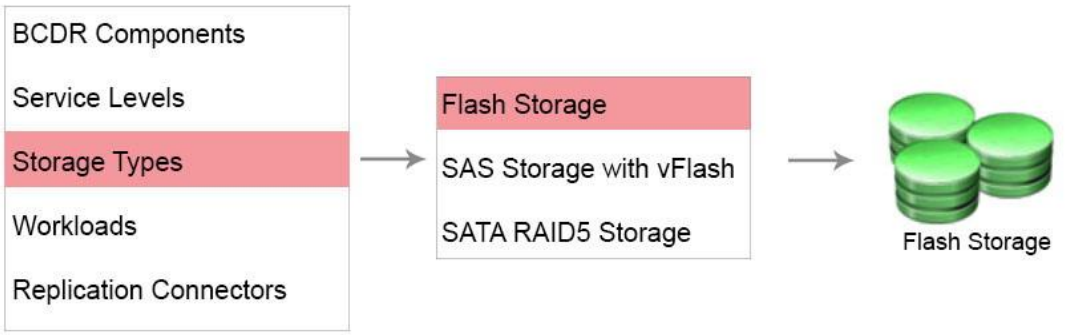
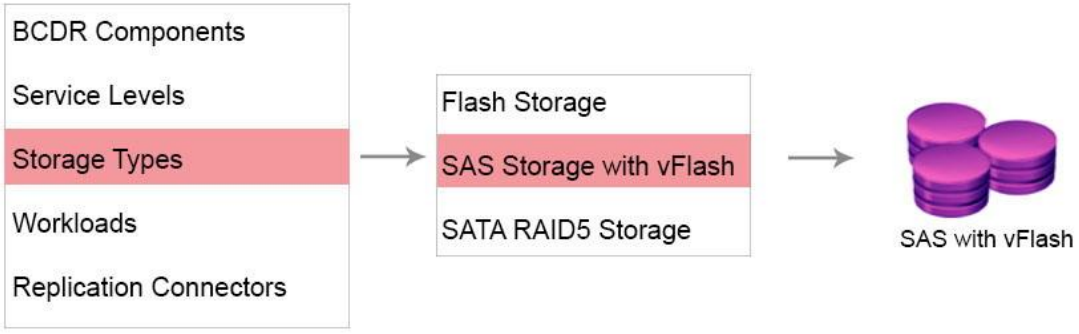
Gold SLA
Silver SLA
Bronze SLA
Bronze SLA


BCDR Components
Service Levels
Storage Types
Workloads
Replication Connectors
Flash Storage
SAS Storage with vFlash
SATA RAID5 Storage
Flash Storage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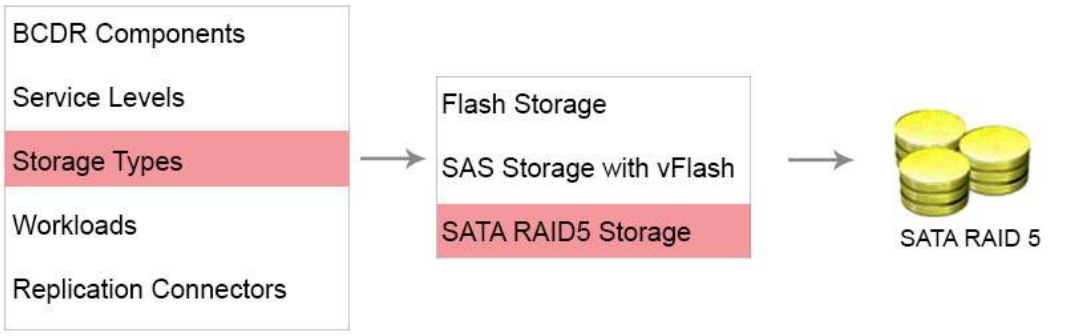
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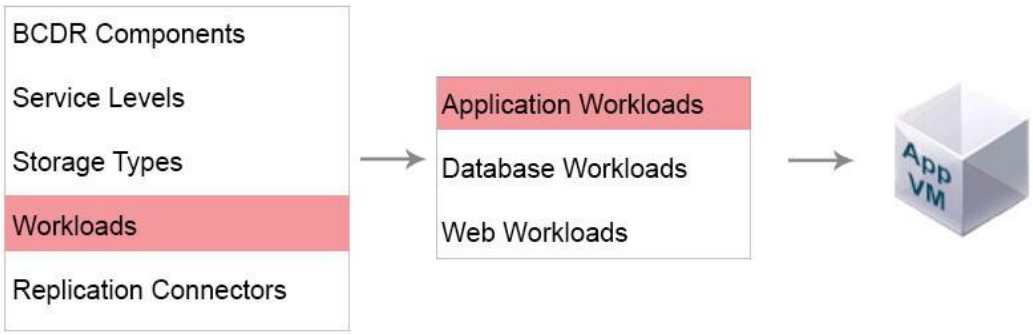
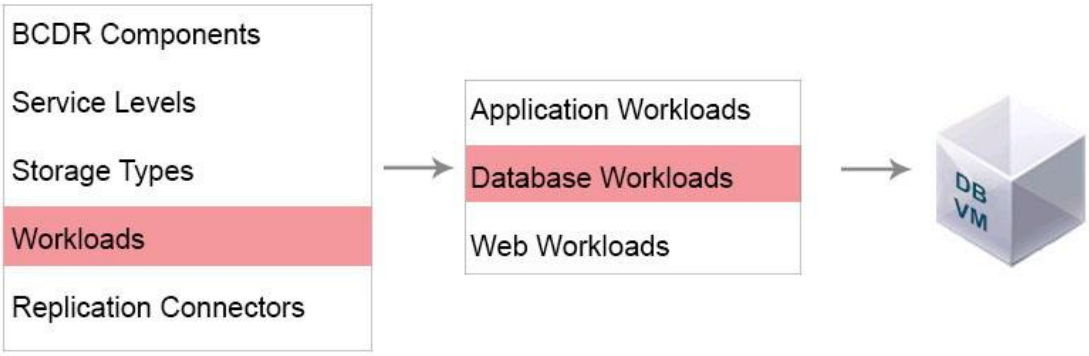
Flash Storage
SAS Storage with vFlash
SATA RAID5 Storage
SATA RAID 5


BCDR Components
Service Levels
Storage Types
Workloads
Replication Connectors
Application Workloads
Database Workloads
Web Workloads
App VM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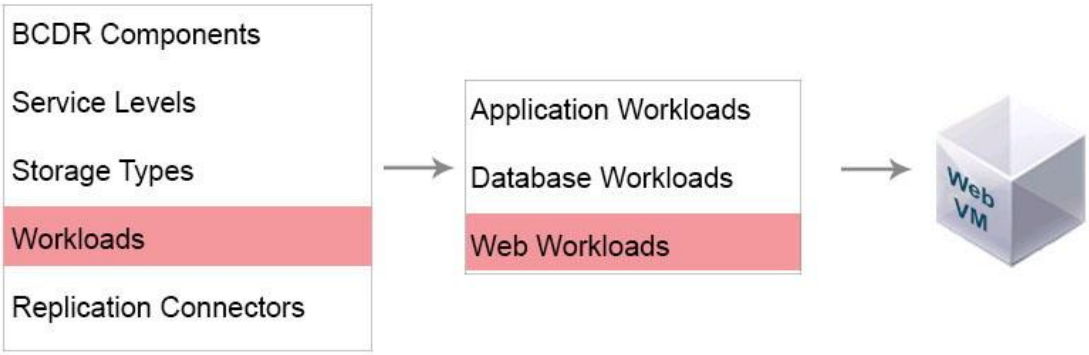
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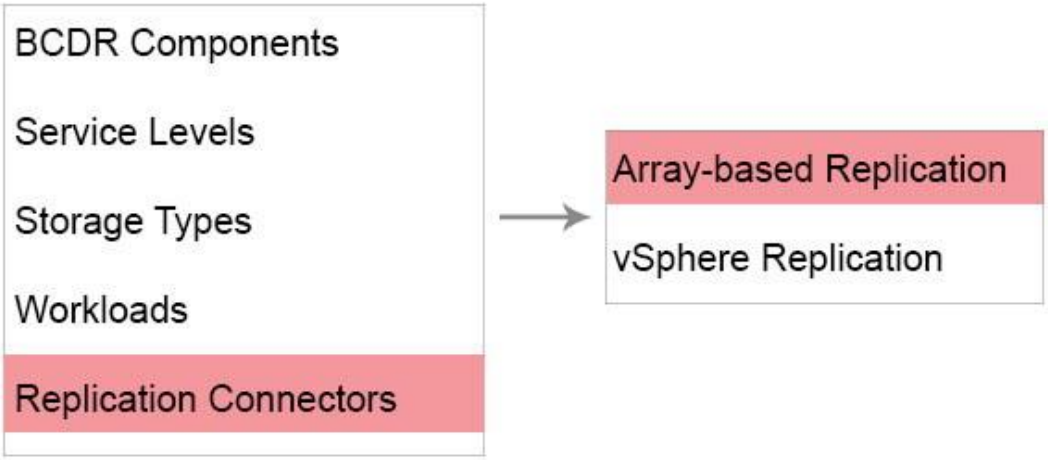
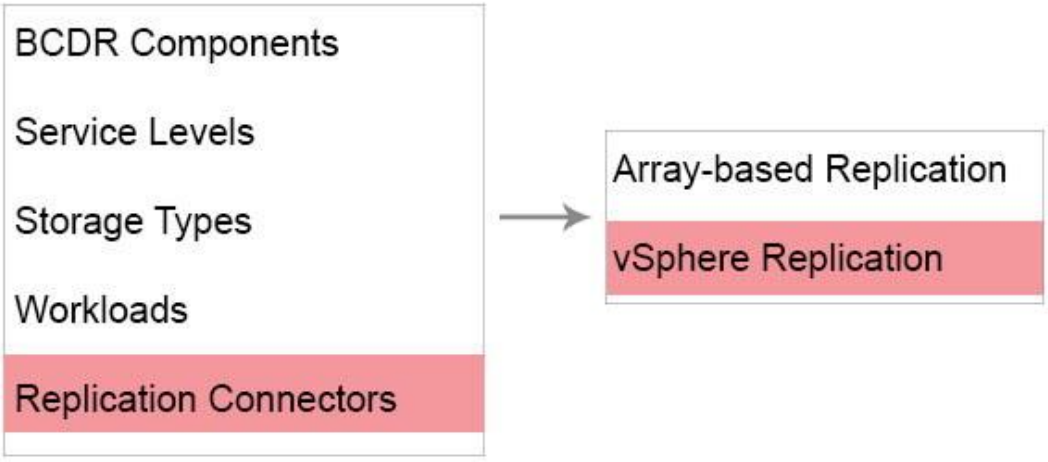
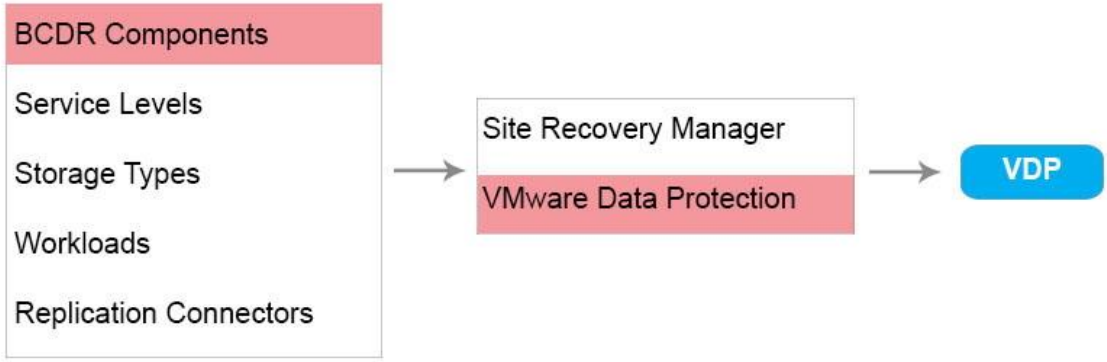




Answer: See the solution below
Explanation:
Check below for answer solution

Primary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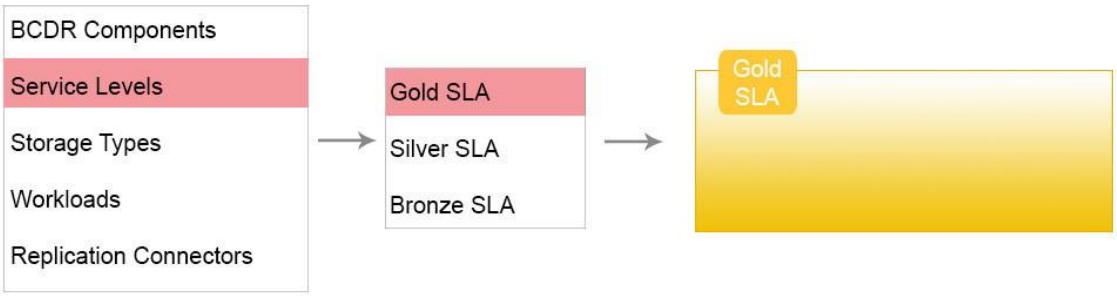
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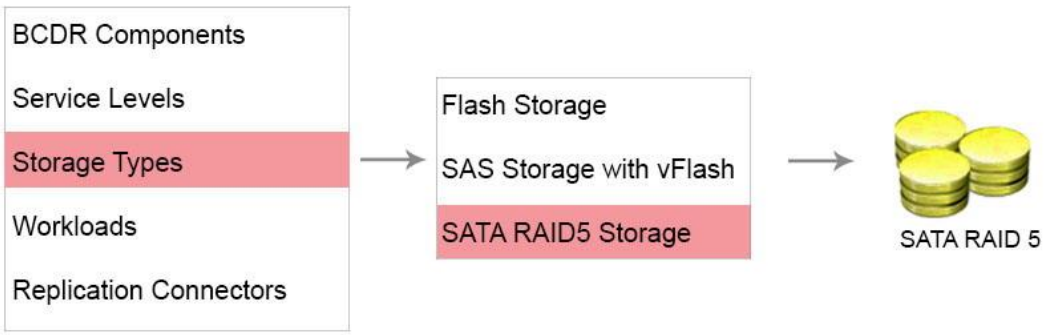
Gold SLA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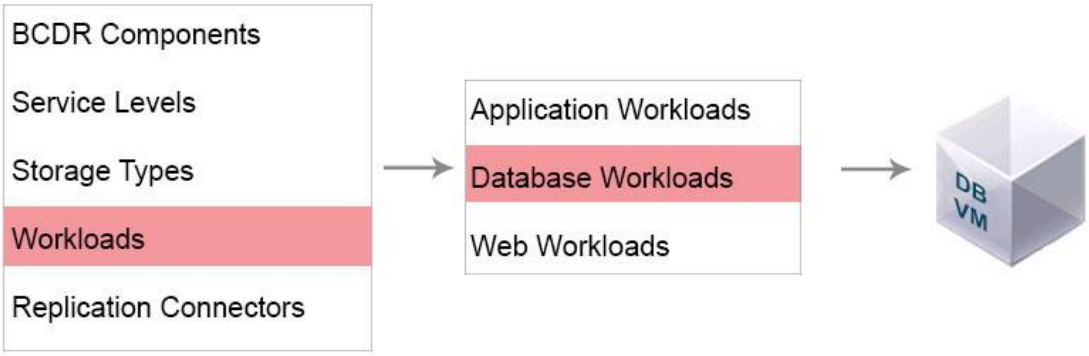
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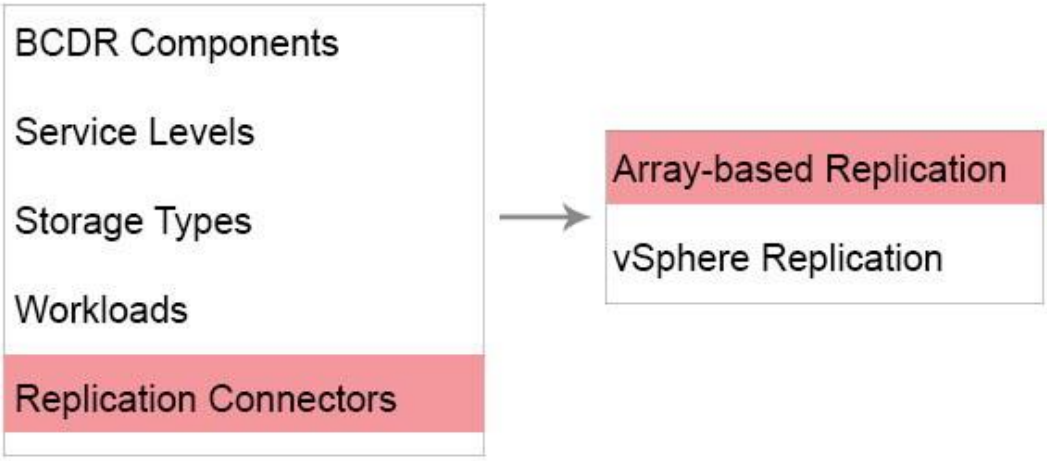
VM


BCDR Components
Service Levels
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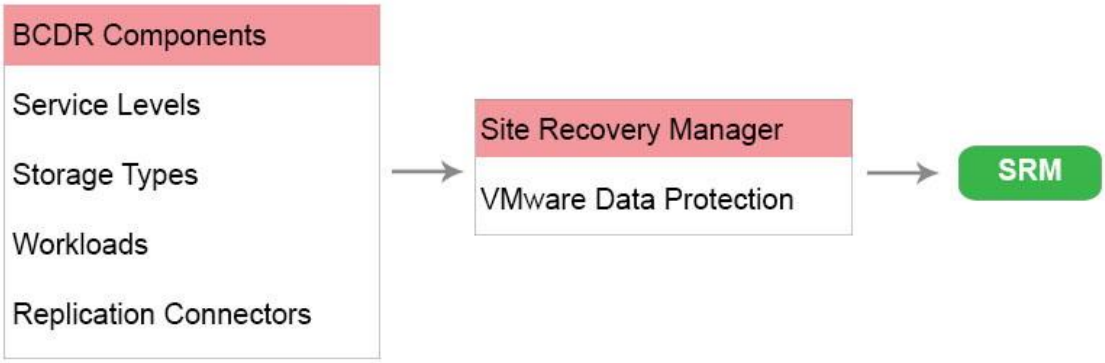
Array-based Replication
vSphere Replication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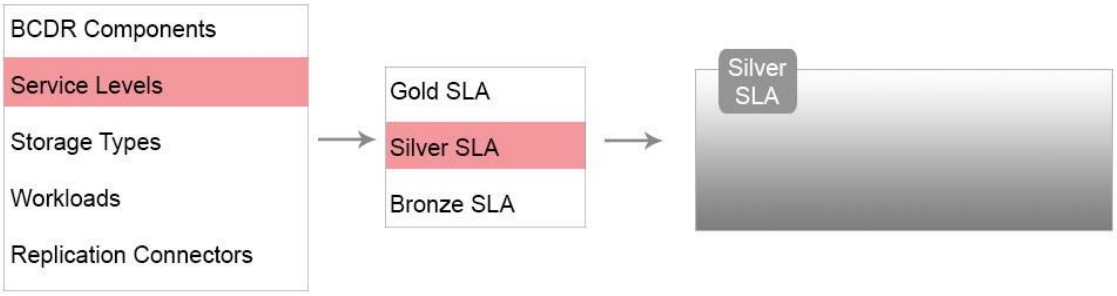
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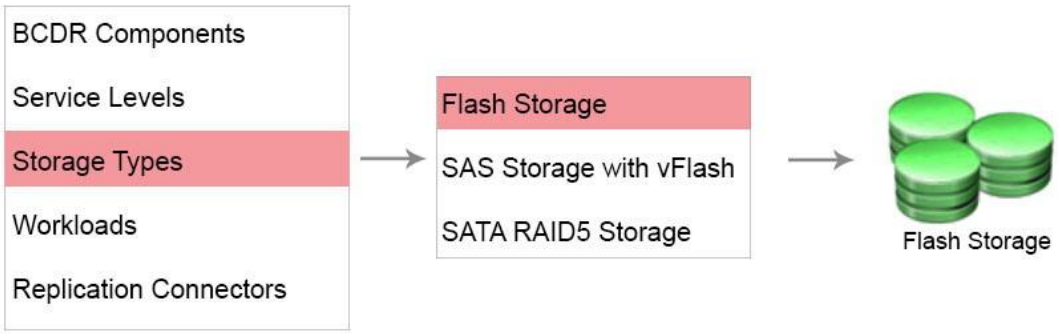
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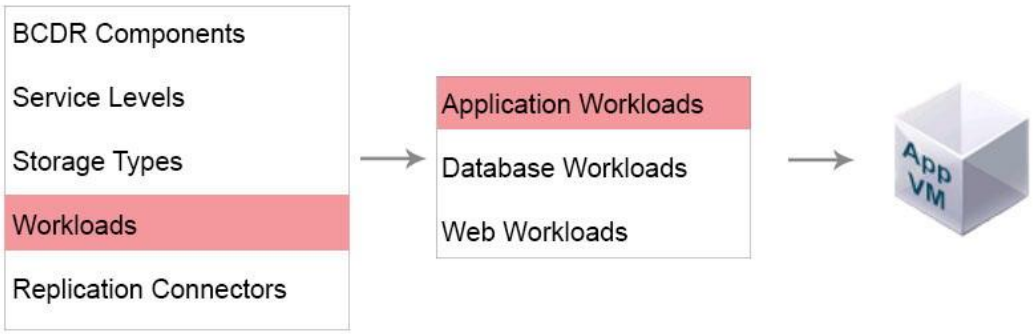
SATA RAID5 Storage
Flash Storage


BCDR Components
Service Levels
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Application Workloads
Database Workloads
Web Workloads
App VM

Secondary


BCDR Components
Service Levels
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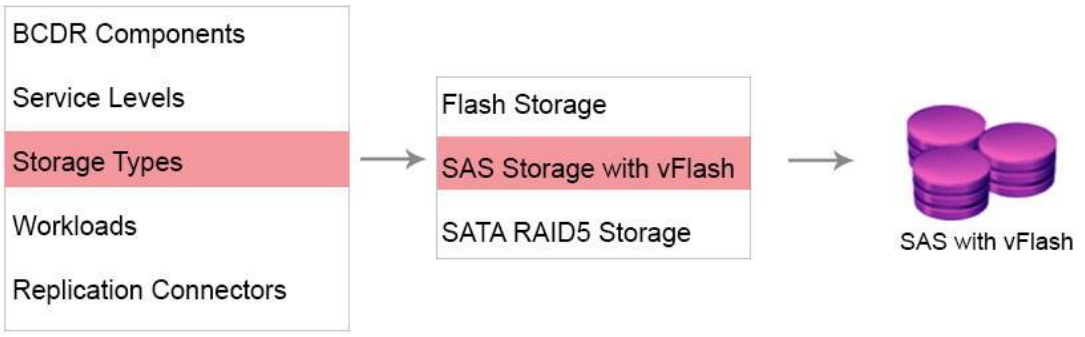
Gold SLA
Silver SLA
Bronze SLA
Bronze SLA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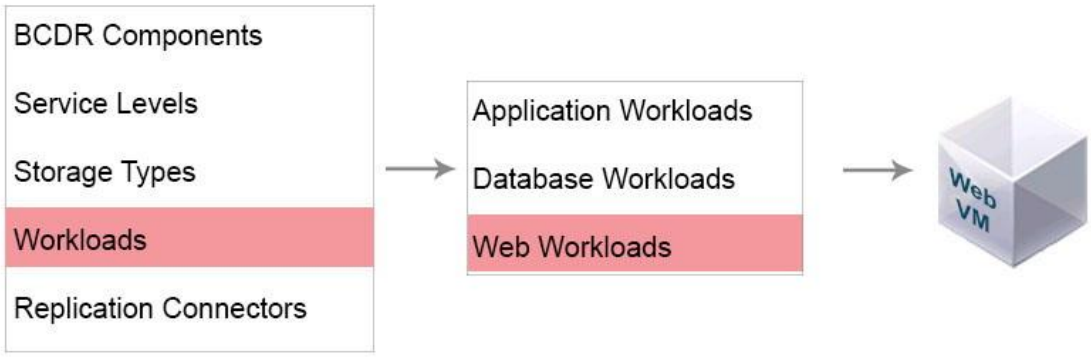
SAS with vFlash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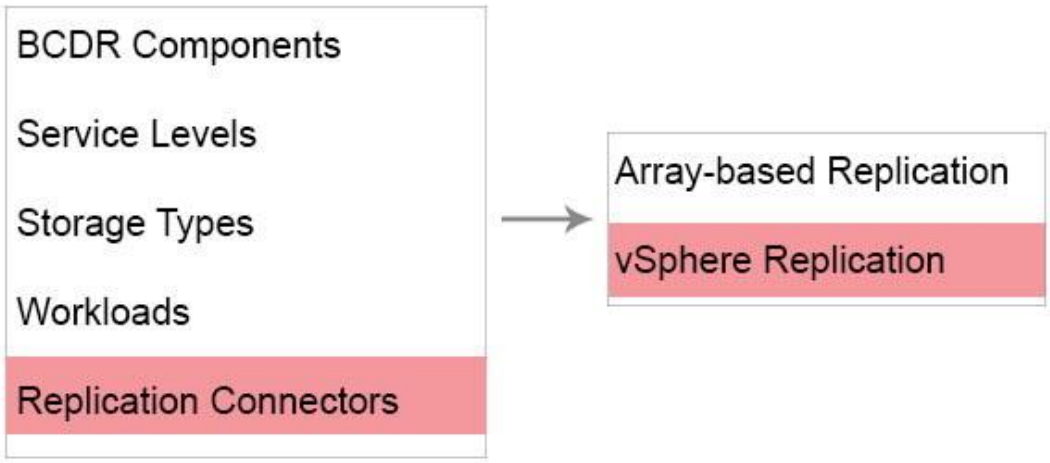
Web VM

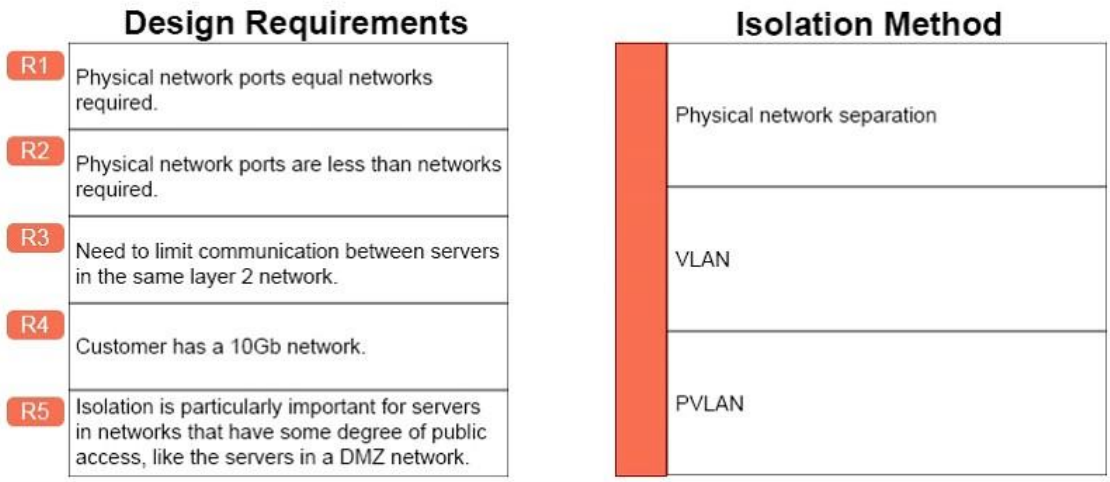

BCDR Components
Service Levels
Storage Types
Workloads
Replication Connectors
Array-based Replication
vSphere Replication

QUESTION 2
DRAG DROP
You have been tasked with creating a vSphere 6.x design for an organization. The customer wants to ensure isolation in the network but does not know when to incorporate physical networks, VLANs and PVLANs.

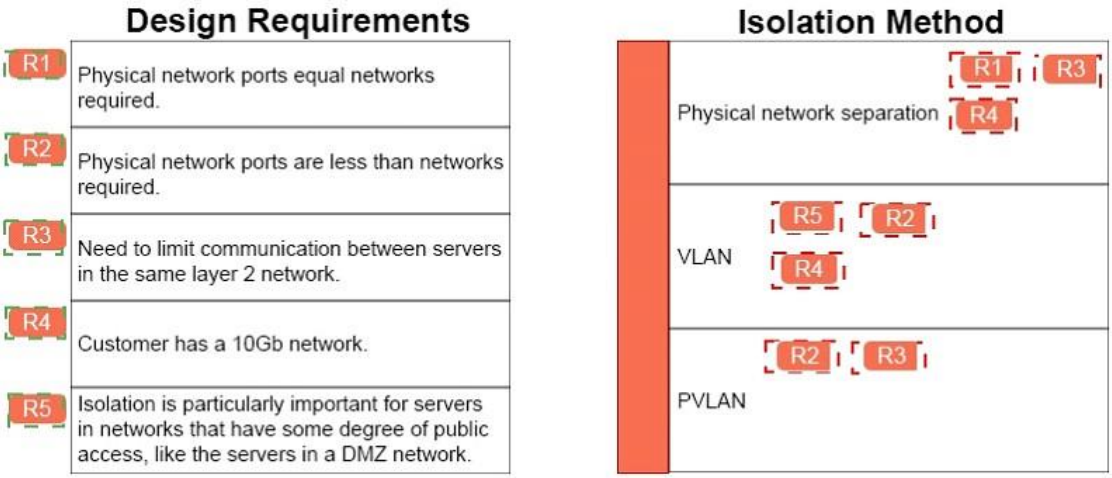
Evaluate the design requirement and determine the isolation method to satisfy the design.

Match each Design Requirement on the left by dragging the red Requirement buttons (R1- R5) over the text of the appropriate Isolation Method.

NOTE: Multiple Design Requirements may fit each Isolation Method.



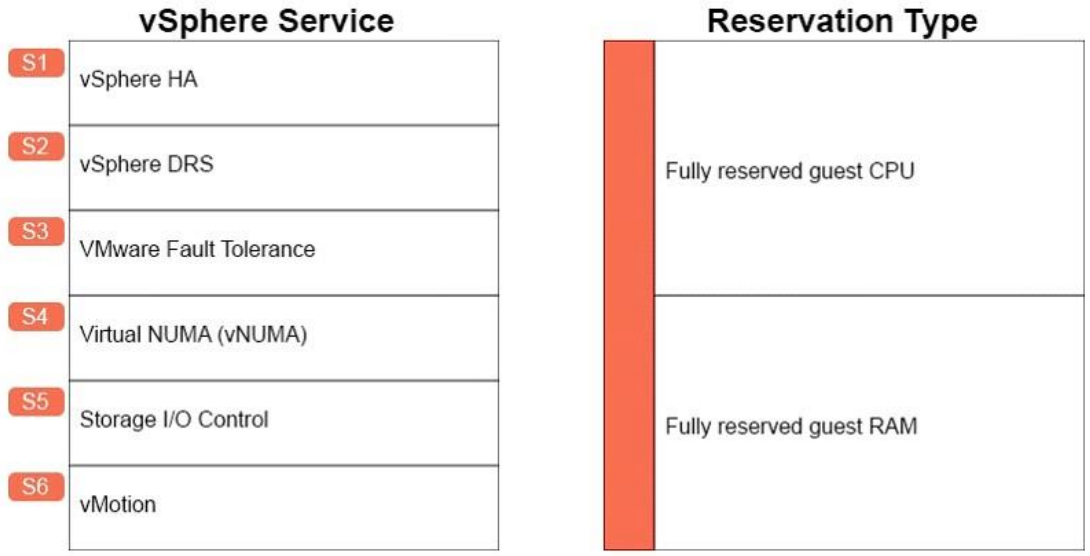
Answer:



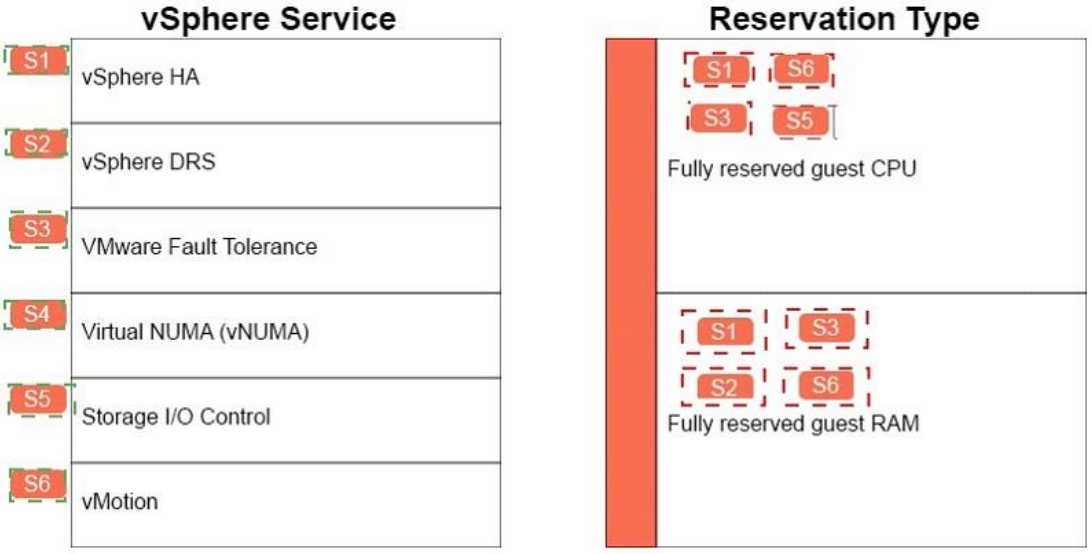
QUESTION 3
DRAG DROP
You have been tasked with creating a vSphere 6.x design for an organization. The organization has a mission critical application that must be able to obtain its required CPU and memory resources even if contention occurs. You must determine which vSphere service(s) will allow for resources to be reserved.

Associate the vSphere Service on the left with the corresponding Reservation Type on the right by dragging the red button (S1-S6) over the text of the Reservation Type.

NOTE: A vSphere Service may allow for more than one Reservation Type or none at all.



Answer:



QUESTION 4
CORRECT TEXT
Customer Requirements
You have been tasked with creating a vSphere 6.x data center design for an organization. The organization wants three defined virtual machine performance levels:

- Gold Tier - High workload VMs
- Silver Tier - Medium workload VMs
- Bronze Tier - Development workload VMs

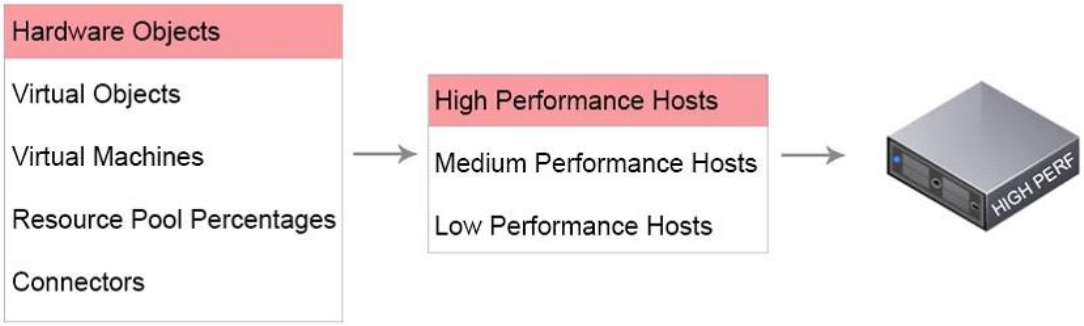
The organization has eight ESXi hosts that can be used in the design. Five of the hosts are older "medium performance" hosts, while the last 3 are newer "high performance" hosts that provide better resources when compared to the other hosts. The organization has provided a list of requirements that the design must meet:

- Gold Tier virtual machines should run only on high performance servers, unless no high performance servers are available. They should also be allocated 75% of overall available resources regardless of placement.
- Silver Tier virtual machines should run only on medium performance servers, unless no medium performance servers are available. They should also be allocated 25% of overall available resources regardless of placement.
- Bronze Tier virtual machines should run only on medium performance servers. They should also receive a 35% subset of resources from those allocated to the Silver Tier.

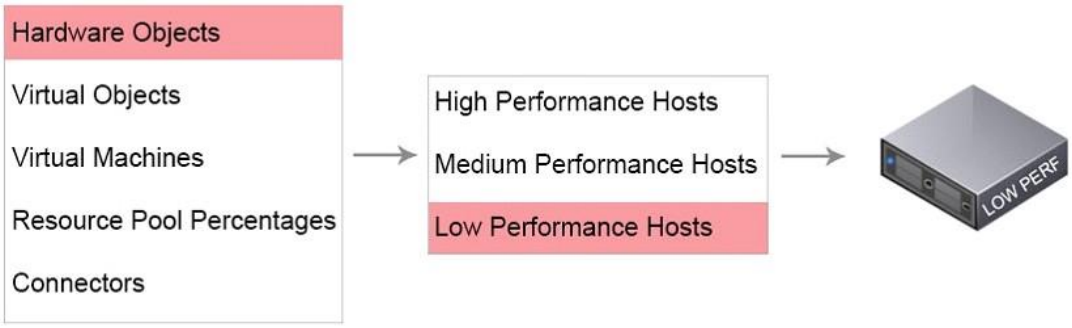
Design Requirements
Create a logical design that shows resource allocation and cluster policies needed to meet the customer's requirements. The design should include:

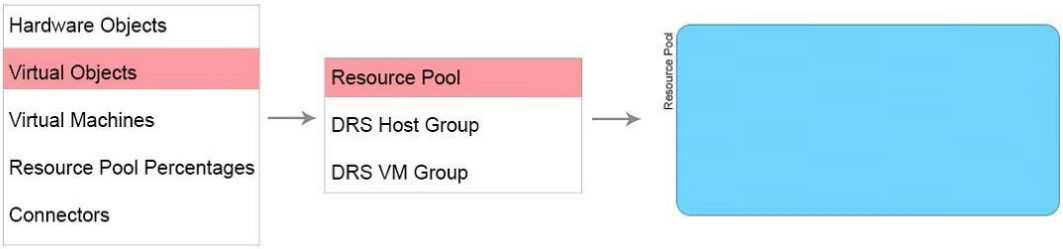
- All required server(s)
- All required resource(s)

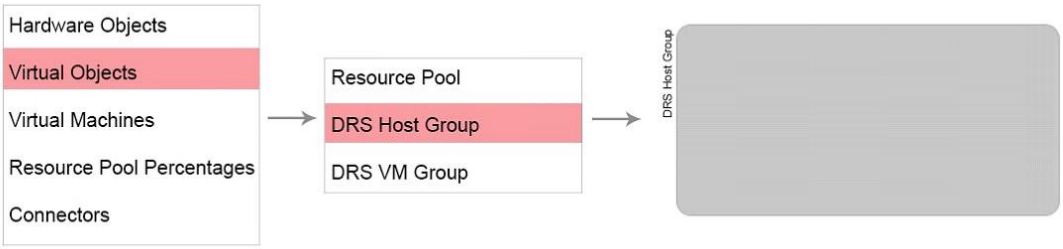
Place host(s) in the required DRS group(s). Place virtual machines in the appropriate resource pool(s). Connect parent to child resource pool connector(s) where needed. Connect the appropriate affinity connector(s) where needed.




Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
High Performance Hosts
Medium Performance Hosts
Low Performance Hosts
MED PERF


Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
High Performance Hosts
Medium Performance Hosts
Low Performance Hosts
LOW PERF


Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
Resource Pool
DRS Host Group
DRS VM Group
Resource Pool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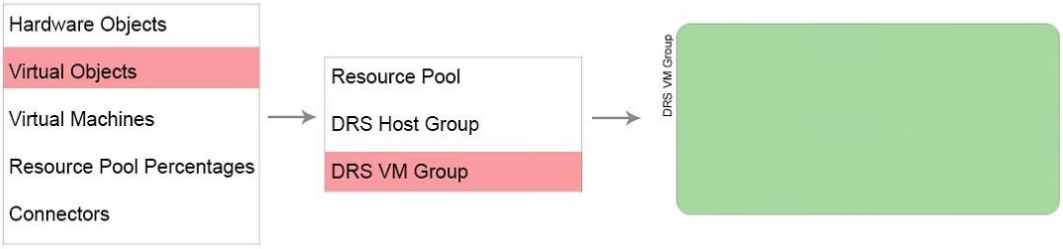
Hardware Objects
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Virtual Machines
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DRS VM Group
DRS VM Group


Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
Gold Tier VMs
Silver Tier VMs
Bronze Tier VMs
VM
VM
VM
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Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
Gold Tier VMs
Silver Tier VMs
Bronze Tier VMs
VM
VM
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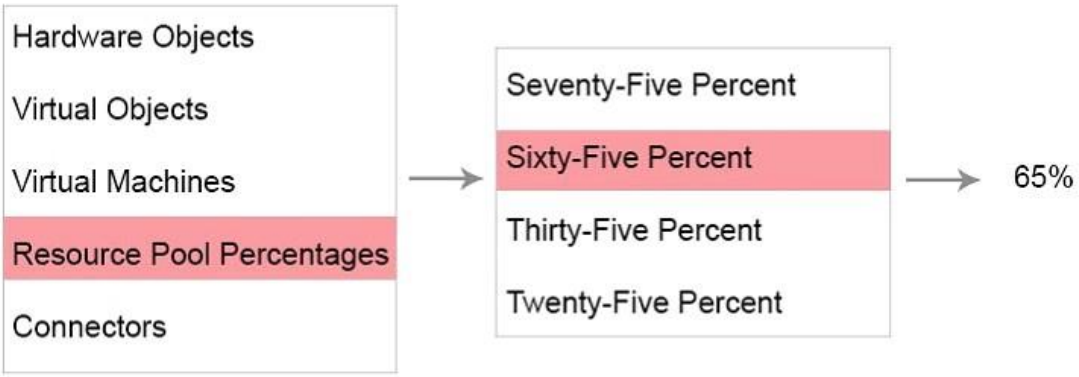
Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
Gold Tier VMs
Silver Tier VMs
Bronze Tier VMs
VM
VM
VM
B


Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
Seventy-Five Percent
Sixty-Five Percent
Thirty-Five Percent
Twenty-Five Percent
75%


Hardware Objects
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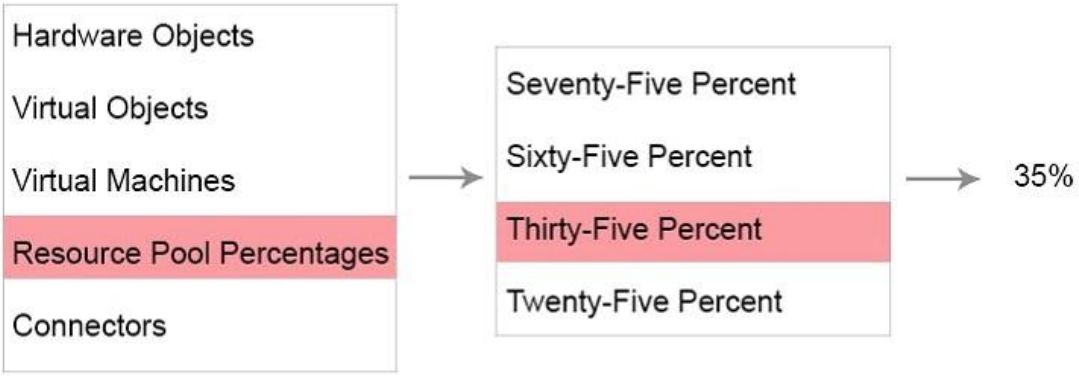
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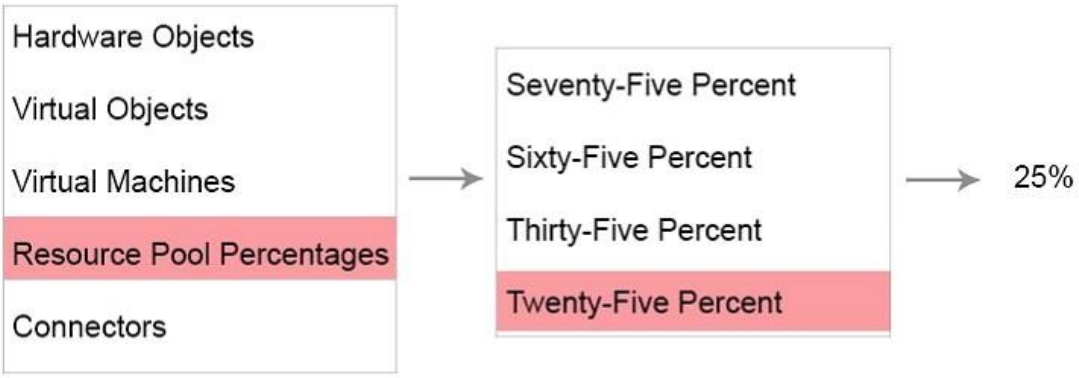
Twenty-Five Percent
35%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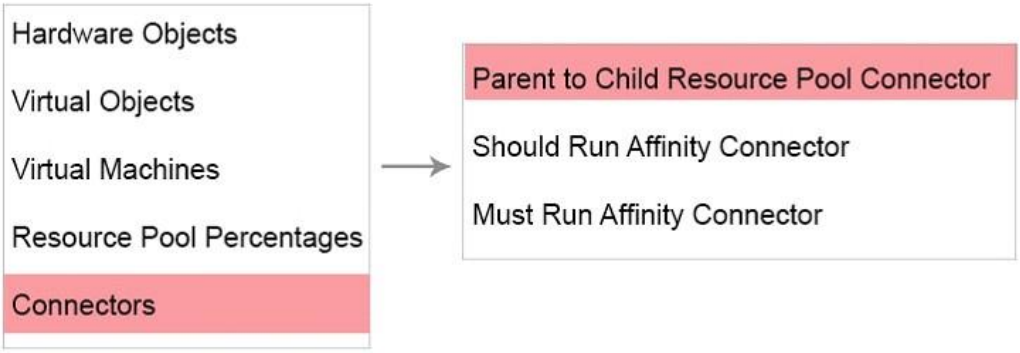
25%


Hardware Objects
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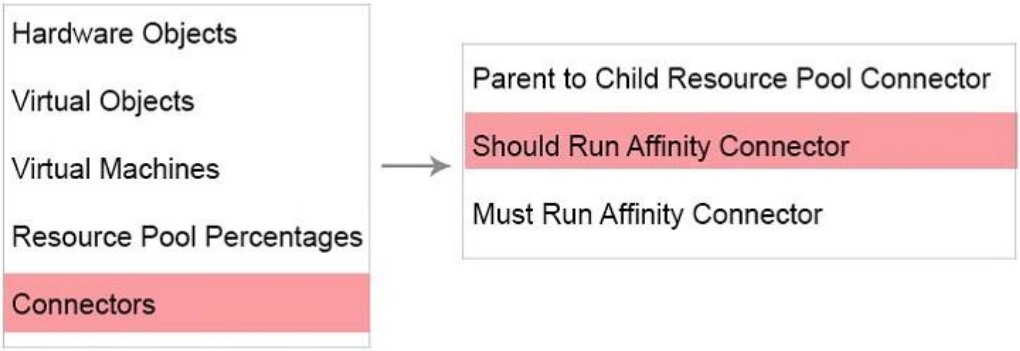
Virtual Machines
Resource Pool Percentages
Connectors
Parent to Child Resource Pool Connector
Should Run Affinity Connector
Must Run Affinity Connector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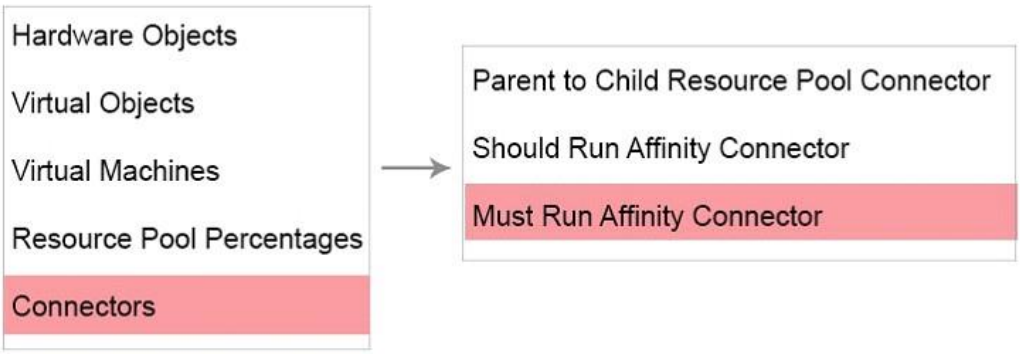
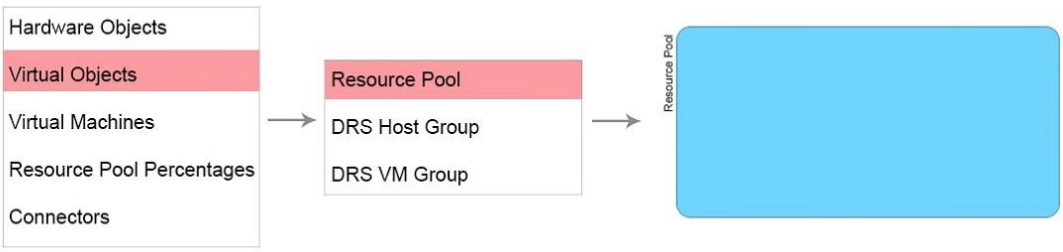
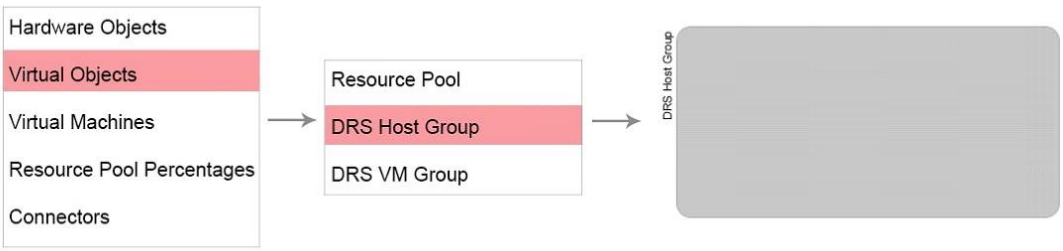


Answer: See the solution below
Explanation:
Check below for answer solution

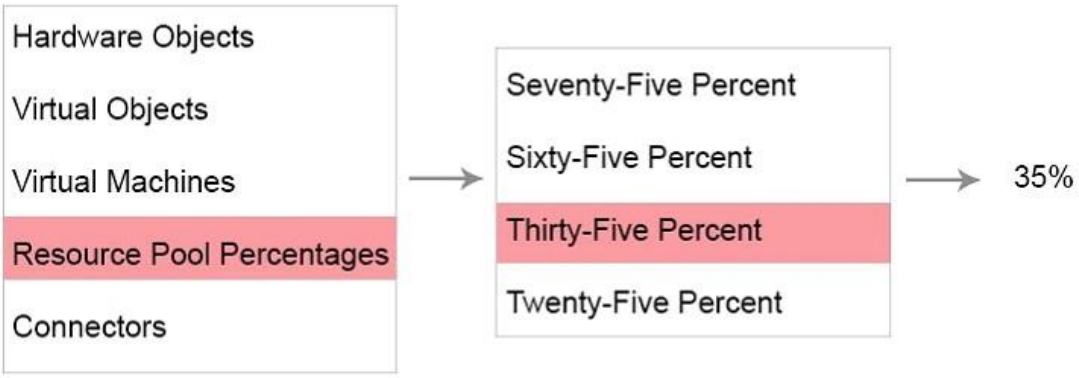


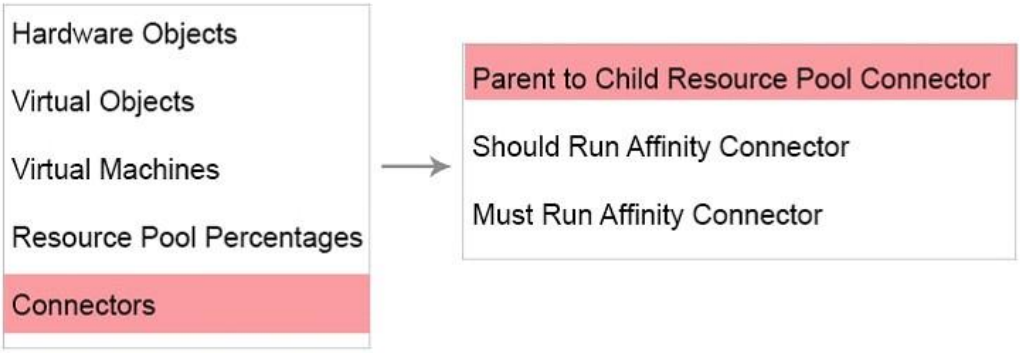


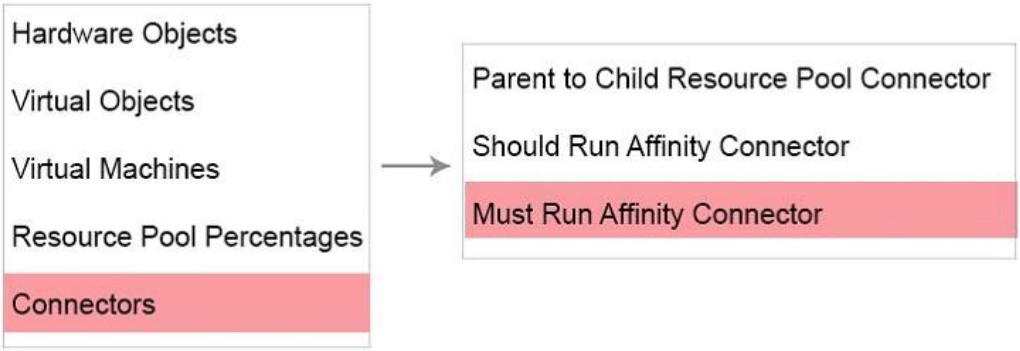

Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
Gold Tier VMs
Silver Tier VMs
Bronze Tier VMs
VM
VM
VM
G


Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
Gold Tier VMs
Silver Tier VMs
Bronze Tier VMs
VM
VM
VM
S


Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
Gold Tier VMs
Silver Tier VMs
Bronze Tier VMs
VM
VM
VM
B

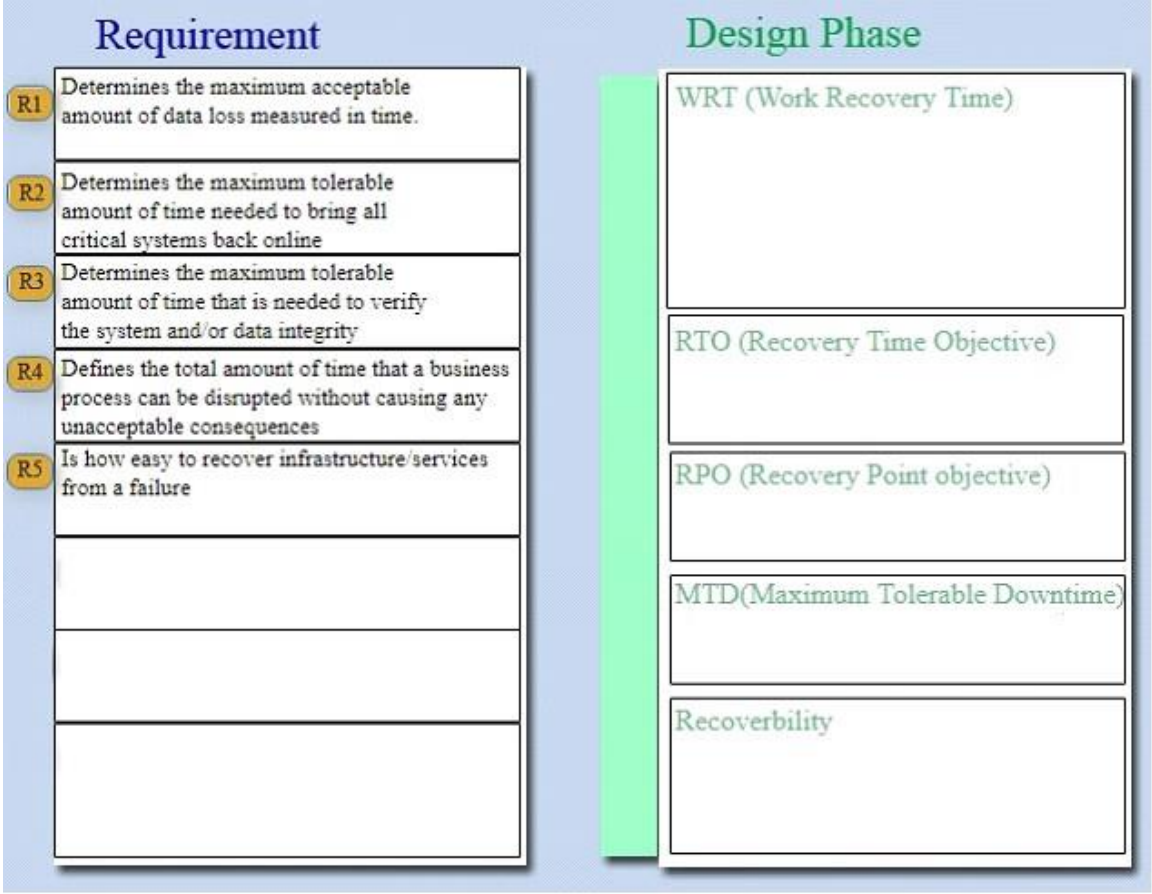

Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
Seventy-Five Percent
Sixty-Five Percent
Thirty-Five Percent
Twenty-Five Percent
35%


Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
Parent to Child Resource Pool Connector
Should Run Affinity Connector
Must Run Affinity Connector

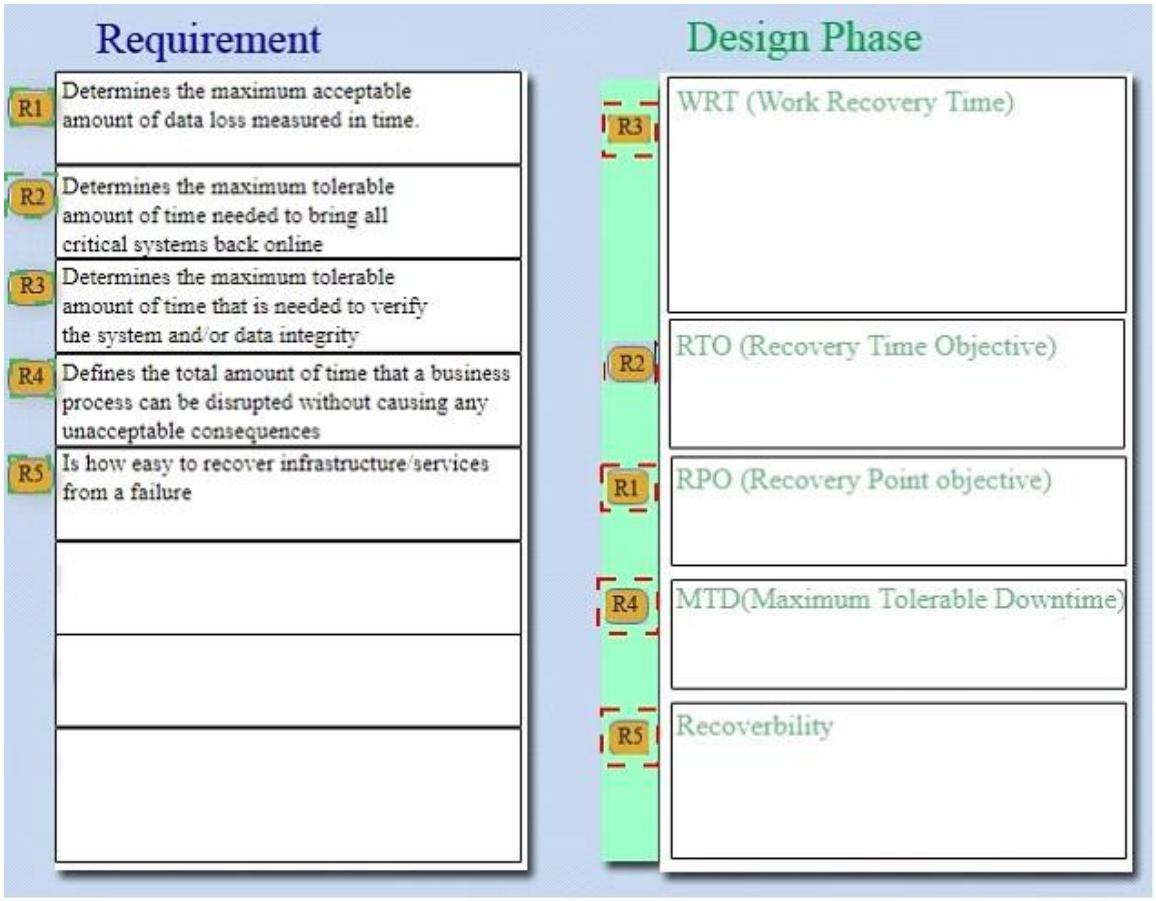

Hardware Objects
Virtual Objects
Virtual Machines
Resource Pool Percentages
Connectors
Parent to Child Resource Pool Connector
Should Run Affinity Connector
Must Run Affinity Connector

QUESTION 5
DRAG DROP
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.



Answer:


Requirement
R1
Determines the maximum acceptable amount of data loss measured in time.
R2
Determines the maximum tolerable amount of time needed to bring all critical systems back online
R3
Determines the maximum tolerable amount of time that is needed to verify the system and/or data integrity
R4
Defines the total amount of time that a business process can be disrupted without causing any unacceptable consequences
R5
Is how easy to recover infrastructure/services from a failure
Design Phase
R3
WRT (Work Recovery Time)
R2
RTO (Recovery Time Objective)
R1
RPO (Recovery Point objective)
R4
MTD(Maximum Tolerable Downtime)
R5
Recoverbility