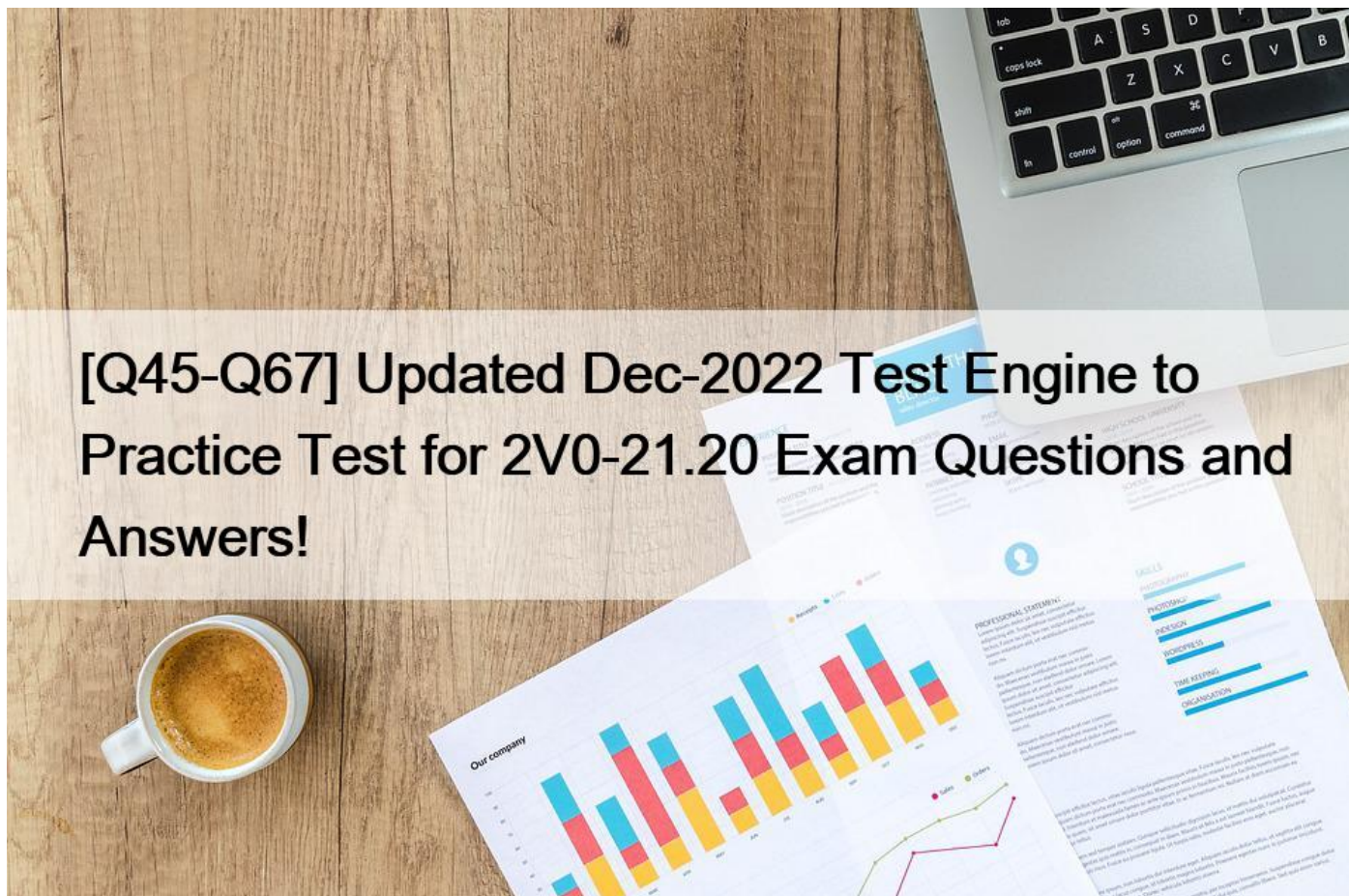


[Q45-Q67 Updated Dec-2022 Test Engine to Practice Test for 2V0-21.20 Exam Questions and Answers!



Updated Dec-2022 Test Engine to Practice Test for 2V0-21.20 Exam Questions and Answers!
Professional VMware vSphere 7.x Certification Sample Questions and Practice Exam

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- United State - 88,000 USD- Europe - 74,100 Euro- India - 65,10,000 INR- England - 67,000 POUND

VMware VCP-DCV 2021 Exam Syllabus Topics: **Section Objectives** Planning and Designing Architectures and Technologies- Identify the pre-requisites and components for a vSphere implementation

- Describe vCenter Server topology

- Identify and differentiate storage access protocols for vSphere (NFS, iSCSI, SAN, etc.)- Describe storage datastore types for vSphere- Explain the importance of advanced storage configuration (vSphere Storage APIs for Storage Awareness (VASA), vSphere Storage APIs Array Integration (VAAI), etc.)- Describe storage policies- Describe basic storage concepts in K8s, vSAN and vSphere Virtual Volumes (vVols) - Differentiate between vSphere Network I/O Control (NIOC) and vSphere Storage I/O Control (SIOC)
- Describe instant clone architecture and use cases
- Describe ESXi cluster concepts- Describe Distributed Resource Scheduler (DRS)- Describe vSphere Enhanced vMotion Compatibility (EVC)- Describe how Distributed Resource Scheduler (DRS) scores virtual machines- Describe vSphere High Availability- Describe datastore clusters - Identify vSphere distributed switch and vSphere standard switch capabilities- Describe VMkernel networking- Manage networking on multiple hosts with vSphere distributed switch- Describe networking policies- Manage Network I/O Control (NIOC) on a vSphere distributed switch - Describe vSphere Lifecycle Manager concepts (baselines, cluster images, etc.)
- Describe the basics of vSAN as primary storage- Identify basic vSAN requirements(networking, disk count + type) - Describe the vSphere Trust Authority architecture
- Explain Software Guard Extensions (SGX)VMware Products and Solutions- Describe the role of vSphere in the software-defined data center (SDDC)
- Identify use cases for vCloud Foundation
- Identify migration options
- Identify DR use cases
- Describe vSphere integration with VMware SkylineTroubleshooting and RepairingPerformance-tuning, Optimization, Upgrades- Identify resource pools use cases- Explain shares, limits and reservations (resource management) - Monitor resources of vCenter Server Appliance and vSphere environment
- Identify and use tools for performance monitoring
- Configure Network I/O Control (NIOC)
- Configure Storage I/O Control (SIOC)
- Explain the performance impact of maintaining virtual machine snapshots
- Plan for upgrading various vSphere componentsInstalling, Configuring, and Setup- Describe single sign-on (SSO) deployment topology- Configure a single sign-on (SSO) domain- Join an existing single sign-on (SSO) domain - Configure VSS advanced virtual networking options
- Set up identity sources- Configure Identity Federation- Configure Lightweight Directory Access Protocol (LDAP) integration- Configure Active Directory integration - Deploy and configure vCenter Server Appliance
- Create and configure VMware High Availability and advanced options (Admission Control, Proactive High Availability, etc.)
- Deploy and configure vCenter Server High Availability

- Set up content library
- Configure vCenter Server file-based backup
- Analyze basic log output from vSphere products
- Configure vSphere Trust Authority
- Configure vSphere certificates- Describe Enterprise PKIs role for SSL certificates - Configure vSphere Lifecycle Manager/VMware Update Manager (VUM)
- Securely Boot ESXi hosts
- Configure different network stacks
- Configure Host Profiles
- Identify boot options- Configure Quick Boot

NO.45 ESXi provides VLAN support by assigning a VLAN ID to which component?

- * Virtual standard switch
- * Virtual distributed switch
- * Port group
- * Physical network interface card (NIC)

<https://geek-university.com/vmware-esxi/configure-vlans/>

NO.46 What determines the default bandwidth share allocation for system traffic, such as vSphere Fault Tolerance and vSphere vMotion? (Choose the best answer.)

- * Physical network adapter
- * Network I/O Control version
- * Virtual machine hardware version
- * Load-balancing

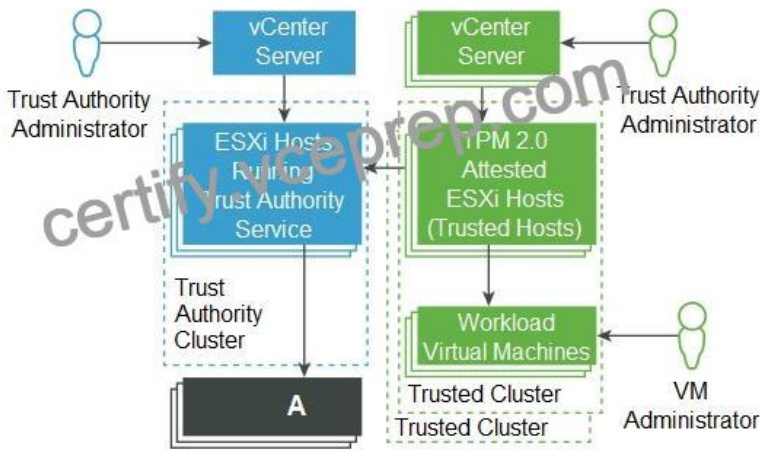
NO.47 Which resource pool setting is used to specify the relative priority or importance as high, normal or low?

(Choose the best answer.)

- * Limits
- * Reservation type
- * Shares
- * Reservations

NO.48 Refer to the exhibit.

Figure 8-1. vSphere Trust Authority Architecture



Which trusted infrastructure component is missing and represented by the area labeled 'A'? (Choose the best answer.)

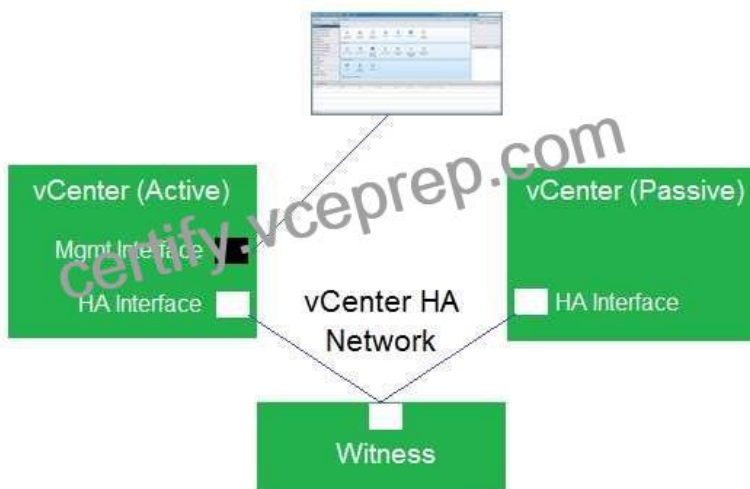
- * Key Management Server
- * vSphere Virtual Machine Encryption
- * Key Provider Service
- * Attestation Service

NO.49 What is the minimum CPU core requirement for successful installation, or upgrade, or ESXi on a host?

(Choose the best answer.)

- * 8
- * 1
- * 32
- * 2

NO.50 Refer to the exhibit.



Which element is missing from this vCenter High Availability (HA) cluster?

- * A secondary witness node
- * The management interface on the passive node
- * The connection between the active and passive nodes
- * The management interface and connection on the witness node

Explanation/Reference: <https://nolabnparty.com/en/vmware-vcenter-high-availability-setup-pt-1/>

NO.51 An administrator wants to configure vCenter Server High Availability so that each node is located in a different data center.

Which requirement must be met?

- * Each node must be configured with at least three network adapters.
- * Network latency between the nodes must be less than 10 milliseconds.
- * All nodes must be located on a vSAN datastore in each data center.
- * A vCenter Server license must be assigned to each node.

NO.52 Refer to the exhibit.

Alarm Rule1

IF

VM CPU Ready Time is below 1000 ms for 15 min

ADD ADDITIONAL TRIGGER

THEN

Trigger the alarm and Show as Critical

Send email notifications

ADD ANOTHER RULE DUPLICATE RULE REMOVE RULE

An administrator is consistently receiving an alarm regarding a CPU performance issue; however, there is NO CPU issue identified.

What can the administrator do to make sure the alarm is triggered when there is an actual CPU performance issue?

- * Change VM CPU Ready Time; to VM Memory Usage;
- * Change Show as Critical; to Show as Warning;
- * Change VM CPU Ready Time; to VM CPU Usage;
- * Change is below; to is above;

NO.53 An administrator runs a two-node vSphere cluster, which contains two domain controller virtual machines (VMs). The administrator wants to ensure that VMs run on separate hosts without interfering with normal maintenance operations.

How should the administrator configure Distributed Resource Scheduler (DRS)? (Choose the best answer.)

- * Create a ‘Must run Virtual Machines to Hosts’ anti-affinity rule.
- * Create a ‘Virtual Machines to Virtual Machines’ anti-affinity rule.
- * Create a ‘Virtual Machines to Virtual Machines’ dependency rule.
- * Create a ‘Should run Virtual Machines to Hosts’ anti-affinity rule.

Explanation/Reference:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-7297C302-378F-4AF2-9BD6-6EDB1E0A850A.html>

NO.54 What are two supported ESXi boot options? (Choose two.)

- * vSAN
- * NFS
- * iSCSI
- * SAN
- * vSphere Virtual Volumes

NO.55 Which feature is a prerequisite for Proactive High Availability (HA)?

- * vCenter High Availability
- * vSAN Cluster
- * Predictive Distributive Resource Scheduler (DRS)
- * vSphere Distributive Resource Scheduler (DRS)

Explanation/Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.avail.doc/GUID-3E3B18CC-8574-46FA-9170-CF549B8E55B8.html>

NO.56 A company has a vSphere environment consisting of the following characteristics:

- * A content library named ‘CORP’ is published at corporate headquarters on a vCenter Server named ‘vcenterCorp’.
- * A regional data center contains a set of hosts managed by a vCenter Server named vcenterR1.
- * vcenterR1 subscribes to the CORP content library.

The administrator wants to create a new virtual machine image to use on vcenterR1.

What are two possible ways the administrator can accomplish this task? (Choose two.)

- * Configure vcenterR1 to download all library content immediately.
- * Upload the new image to the CORP library on vcenterR1.
- * Publish the CORP content library on vcenterR1.
- * Upload the new image to the CORP library on vcenterCorp.
- * Upload the new image to a local content library on vcenterR1.

NO.57 What is the default shutdown order of virtual machines (VMs) on a host?

- * Alphabetical based on VM names
- * Highest utilization to lowest utilization
- * Largest VM to smallest VM
- * Reverse of the startup order

Explanation/Reference: https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm_admin.doc/GUID-5FE08AC7-4486-438E-AF88-80D6C7928810.html

NO.58 An administrator wants to leverage the processor-specific technology that uses a security extension for securing virtual machines (VMs). This will allow user-level code to define private regions of memory called enclaves that are protected from external access.

What does the administrator need to configure to enable VMs to use this technology? (Choose the best answer.)

- * Trusted Platform Module (TPM)
- * Virtual Intel Software Guard Extensions (vSGX)
- * Advanced Encryption Standard-New Instructions (AES-NI)
- * Transparent Page Sharing (TPS)

NO.59 Each logical port on a vSphere standard switch can be a member of how many port groups? (Choose the best answer.)

- * 4
- * 3
- * 1
- * 2

Explanation/Reference: <https://www.c-sharpcorner.com/article/what-is-virtual-switches-and-standard-switches/>

NO.60 An administrator wants to implement virtual machine encryption.

Which component encrypts the virtual machine files?

- * Certificate
- * Data encryption key (DEK)
- * Key encryption key (KEK)
- * Key management server (KMS)

Explanation/Reference:

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/vm-encryption-vsphere65-perf.pdf>

NO.61 Which feature can an administrator use for site availability with minimal effort and a low recovery point objective (RPO)?

- * vSphere Fault Tolerance
- * vSphere vMotion
- * vSphere Replication
- * vSphere High Availability

NO.62 vCenter High Availability (HA) protects vCenter Server against host and hardware failures. What is the minimum number of ESXi hosts required to enable this capability?

- * 3
- * 1
- * 7
- * 5

<https://docs.vmware.com/en/VMware-vSphere/7.0/vsphere-esxi-vcenter-server-70-availability-guide.pdf> (73)

NO.63 Refer to the exhibit.

Alarm Rule1



IF

VM CPU Ready Time is below 100 ms for 15 min

ADD ADDITIONAL TRIGGER

THEN

Trigger the alarm and Show as Critical

Send email notifications

ADD ANOTHER RULE DUPLICATE RULE REMOVE RULE

An administrator is consistently receiving an alarm regarding a CPU performance issue; however, there is NO CPU issue identified.

What can the administrator do to make sure the alarm is triggered when there is an actual CPU performance issue? (Choose the best answer.)

- * Change VM CPU Ready Time to VM Memory Usage;
- * Change Show as Critical to Show as Warning;
- * Change VM CPU Ready Time to VM CPU Usage;
- * Change is below to is above;

Explanation

<https://www.actualtechmedia.com/wp-content/uploads/2013/11/demystifying-cpu-ready.pdf>

NO.64 Each logical port on a vSphere standard switch can be a member of how many port groups? (Choose the best answer.)

- * 4
- * 3
- * 1
- * 2

NO.65 An administrator wants to ensure that when virtual machines (VMs) are powered on, Distributed Resource Scheduler (DRS) places them on the best-suited host. When the cluster becomes imbalanced, the administrator wants DRS to display recommendations for manual VM migration.

Which DRS automation level should the administrator select? (Choose the best answer.)

- * Manual
- * Partially automated
- * Fully automated
- * Disabled

Explanation/Reference:

<https://geek-university.com/vmware-esxi/set-drs-automation-level/>

NO.66 An administrator can attach a baseline to which two inventory objects? (Choose two.)

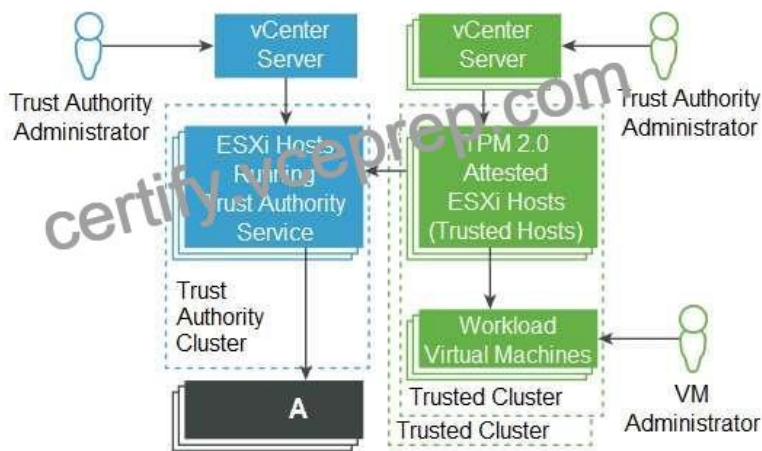
- * Resource pools
- * Data centers
- * Datastores
- * Templates
- * ESXi hosts

Explanation

<https://docs.vmware.com/en/VMware-vSphere/6.0/com.vmware.vsphere.upgrade.doc/GUID-5EA28531-0813-4B>

NO.67 Refer to the exhibit.

Figure 8-1. vSphere Trust Authority Architecture



Which trusted infrastructure component is missing and represented by the area labeled 'A'?

- * Key Management Server
- * vSphere Virtual Machine Encryption
- * Key Provider Service
- * Attestation Service

Explanation/Reference:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-CEFC9BAE-1685-49A7-9854-4AC997F2F1C3.html>

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-E4945A3B-BCBE-42AD-A00F-6A6957217041.html>

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