

Exam Questions 1V0-621

VMware Certified Associate 6 – Data Center Virtualization

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NEW QUESTION 1

What are two benefits that virtual machines provide over physical machines? (Choose two.)

- A. virtual machines are encapsulate ,imporving options for disaster recovery.
- B. virtual machies can access storage area network (san)
- C. virtual machies can be provisioned faster than physical machines.
- D. virtual machines can be isolated can be isolated from one another on the same network siwitch .

Answer: AC

Explanation: <http://www.infoworld.com/article/2621446/server-virtualization/server-virtualization-top-10-benefits-of-server-virtualization.html>

NEW QUESTION 2

Which storage format can be used to deploy data stores on block storage devices?

- A. Virtual Volumes
- B. NFS
- C. VMFS
- D. iSCSI

Answer: C

NEW QUESTION 3

Which VMware product can virtualize user desktops so that the desktops reside as virtual machines in the data center?

- A. VMware Mirage
- B. VMware vRealize Log Insight
- C. VMware Horizon View
- D. VMware Workspace

Answer: C

NEW QUESTION 4

The vRealize Suite provides high availability and business continuity disaster recovery for which of these three components? (Choose three)

- A. Routers
- B. Switches
- C. Clusters
- D. servers
- E. Applications

Answer: CDE

NEW QUESTION 5

Which solution monitors an organizations infrastructure for efficiency and performance across both the virtual and physical infrastructure .

- A. V realize operations manager
- B. V realize automation
- C. Horizon (with view)
- D. V cloud director

Answer: B

NEW QUESTION 6

In which two situations should data collection level 4 be used for performance monitoring within vcenter server ? (choose two).

- A. For short term performance monitoring
- B. For long term performance monitoring
- C. when collecting all available metrics
- D. when collecting the least number of metrics

Answer: AC

NEW QUESTION 7

What defines virtualization?

- A. It is the process of scaling applications and licenses to support multiple hosts.
- B. It is the process of moving virtual machines from one place to another.
- C. It is the process of migrating physical components to virtual versions.
- D. It Is the process of creating virtual versions of physical components.

Answer: C

NEW QUESTION 8

By default, how many days does vSphere keep information about tasks and events?

- A. 60
- B. 14
- C. 30
- D. 7

Answer: C

NEW QUESTION 9

What does storage virtualization (VSAN) provide a company's data center?

- A. unified interface for managing storage arrays across various locations
- B. physical storage arrays that can be used across ESXi hosts
- C. abstraction layer for physical storage resources to be managed and optimized for virtualization deployments
- D. virtualization software that rapidly relocates applications and information on-demand within and across data centers

Answer: D

NEW QUESTION 10

Which two storage virtualization technologies can be used to mitigate the effects of latency during peak load periods? (Choose two.)

- A. Storage I/O Control
- B. VirtualSAN
- C. Virtual Volumes
- D. Storage Distributed Resource Scheduler

Answer: AD

NEW QUESTION 10

How does vSphere Fault Tolerance provide continuous availability in case of an ESXi host failure?

- A. By creating and maintaining a secondary virtual machine that is identical to the primary machine
- B. By ensuring applications continue to run on another instance in the event of an application fault
- C. By using the host as the medium to provide asynchronous replication of datastores
- D. By using a feature called Changed Block Tracking (CBT), which backs up content

Answer: A

NEW QUESTION 11

Which vSphere feature allows network traffic management in virtualized data center?

- A. vMotion
- B. Link aggregation
- C. Network I/O Control
- D. Storage I/O Control

Answer: C

NEW QUESTION 15

How many virtual network adapters can be connected to each port of the vNetwork Standard Switch?

- A. 1
- B. 2
- C. 3
- D. 5

Answer: C

NEW QUESTION 18

Which of these products is a cloud management platform that is purpose-built for heterogeneous data centers and the hybrid cloud?

- A. vCloudAir
- B. vCloudDirector
- C. vRealize Automation
- D. VMware Integrated OpenStack

Answer: C

NEW QUESTION 19

Which two statements describe the features of a cluster managed by vCenter Server? (Choose two)

- A. A Cluster is a package of multiple interoperating virtual machines that can be distributed in OVF format.
- B. Host Resources become part of the cluster's resources.

- C. A cluster consists of multiple networked ESXi hosts.
- D. Clusters require High Availability (HA) or vSphere Distributed Resource Scheduler (DRS) Solutions.

Answer: BD

NEW QUESTION 24

Which challenge can vsphere help resolve by using snapshots?

- A. Low utilization of drive c inside the virtual machine
- B. Incompatibility between mtu settings
- C. Disjointed dns namespace
- D. Faulty windows update crashing server

Answer: C

NEW QUESTION 27

What are two ways vsphere cluster, enabled with high availability HA and distributed resource scheduler DRS , differs from traditional failover solution ? two choose .

- A. After a vsphere HA cluster is set up, all virtual machines in the cluster get failover support without additional configuration.
- B. Vsphere HA requires special software and drivers to be installed within the application or virtual machine.
- C. If a host fails, vsphere DRS can migrate virtual machines to optimize for increased workloads.
- D. Vsphere HA only protects availability of virtual machines installed on a stand alone esxi host.

Answer: AC

NEW QUESTION 31

What three types of objects can a Quick Filter be used to display? (Choose three)

- A. Resource Pools
- B. Clusters
- C. Virtual Switches
- D. Virtual machines
- E. Datastores

Answer: BDE

NEW QUESTION 34

In what two ways can vSphere Replication minimize network bandwidth consumption while replicating and storing virtual machines?

- A. it can use pre-shipped VMDK files as seeds
- B. It limits CPU cycles used during data transfer.
- C. it can use dedicated network resources for replication.
- D. It stores the replicated data in compressed format

Answer: CD

NEW QUESTION 39

What are two valid teaming and failover policies on a distributed port group ?

- A. Route based on the originating virtual port
- B. Route based on ether channel
- C. Route based on round robin
- D. Router based on ip hash

Answer: AD

Explanation: <https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.networking.doc%2FGUID-796BBD4A-18E2-4E19-889C-C529AF011323.html>

NEW QUESTION 44

Which two VMware solutions help organizations plan for disaster recovery? (Choose two.)

- A. High Availability
- B. Fault Tolerance
- C. vSphere Replication
- D. Site Recovery Manager

Answer: CD

NEW QUESTION 49

What is Fault Tolerance logging?

- A. The act of logging a failure in the primary virtual machine and transferring to the secondary virtual machine in an FT pair

- B. The act of logging errors in data transfers between primary and secondary virtual machines in an FT pair.
- C. The act of logging runtime state changes made to the virtual machines in an FT pair.
- D. The act of transmitting runtime state information to the virtual machines in an FT pair.

Answer: A

NEW QUESTION 53

Which two options are possible with Data Center Virtualization? (Choose two.)

- A. Virtual machines can be live migrated in the event of unplanned downtime.
- B. Virtual machines can access the same hardware.
- C. Virtual machines can run independently of underlying hardware.
- D. Virtual machines can share host resources without possibility of contention.

Answer: BC

NEW QUESTION 57

An organization with on-premises infrastructure is planning to acquire a company currently using cloud-based resources. Following the acquisition, the organization will need to manage employee desktops and applications across both infrastructure types. Which solution would meet the organization's needs?

- A. Horizon Air
- B. HorizonFLEX
- C. vCloudAir
- D. vCloud Director

Answer: A

NEW QUESTION 60

Which two VMware vSphere components can be used to reduce downtime in the event of an ESXi host failure? (Choose two.)

- A. High Availability
- B. vShield Endpoint
- C. vMotion
- D. Fault Tolerance

Answer: AC

NEW QUESTION 63

Which two are valid descriptions of how Storage DRS is used in a vSphere implementation? (Choose two.)

- A. It reclaims overprovisioned capacity to increase resource utilization.
- B. It keeps workloads on storage devices more evenly balanced.
- C. It monitors the storage habits of virtual machines.
- D. It allows you to set shares on VMFS datastores to manage congestion.

Answer: BC

NEW QUESTION 67

A company thinks that it would be ideal to purchase the vRealize Suite to extend the boundaries of the existing data center and manage the data center and cloud with a single interface. They ask an administrator to explain the features of vRealize Suite. Which two statements should the administrator respond with?

- A. The vRealize Suite lets administrators separate out IT-managed applications and application suites into the administrator-defined application container.
- B. The vRealize Suite enables IT to deliver a stateless desktop without any trade-off between user experience and costs.
- C. The vRealize Suite provides policy-based provisioning and role-based allocation of IT resources.
- D. The vRealize Suite provides operational analytics that provide rapid discovery and root-cause analysis of IT issues.

Answer: CD

NEW QUESTION 68

What are two advantages of implementing Data Center Visualization? (Choose two.)

- A. Reduced application licensing costs
- B. Improved Disaster Recovery
- C. Rapid provisioning
- D. Unified application management

Answer: CD

NEW QUESTION 69

An operator is assigning a user to a folder containing virtual machines. The user should be able to power on and off the virtual machines in the folder but not perform any configuration changes. What two options can be used to successfully set the user's permissions? (Choose two.)

- A. Assign the role using Propagate to children
- B. Assign the user the Virtual machine power user role on the folder object.
- C. Assign the user the Virtual machine user role on the folder object.
- D. Assign the role as a Global Permission

Answer: AC

NEW QUESTION 70

Which three actions can be taken with the VMware Remote Console? (Choose Three.)

- A. restart the ESXi host
- B. use a Removable Device
- C. configure VMware Tools updates
- D. suspend and resume a virtual Machine
- E. adjust VMware High Availability Configuration

Answer: BCD

NEW QUESTION 73

What are two available methods for updating VMware Tools on a virtual machine? (Choose two.)

- A. Configure virtual machines to check for and install newer versions of VMware Tools
- B. Downloading the newest version of VmwareTools.exe from vmware.com
- C. Attaching VMware Tools ISO to the VM and manually updating.
- D. Copy the updated files to C:\Documents and Settings\All Users\Application Data\VMware\VMware ToolsV

Answer: CD

NEW QUESTION 78

In which order are the virtual machines powered off when powering off a vApp?

- A. from highest to lowest network bandwidth consumption
- B. in alphabetical order by virtual machine name
- C. in the order in which they were powered on
- D. in reverse startup order

Answer: D

NEW QUESTION 81

Which vSphere feature, when combined with a supported third-party antivirus vendor, enables an administrator to offload antivirus processing from the guest to an appliance running on the ESXi host?

- A. Distributed switch
- B. vShield endpoint
- C. Storage I/O control
- D. Network I/O control

Answer: B

NEW QUESTION 83

Which vSphere feature will help an administrator have zero-downtime for server maintenance in a datacenter?

- A. Snapshots
- B. Distributed power Management
- C. Dynamic Resource Scheduler
- D. Resource Pools

Answer: C

NEW QUESTION 88

Which data center challenge can vSphere solve?

- A. corrupted database entries
- B. inefficient airflow in hot aisles
- C. incorrect certificate friendly name
- D. inefficient virtual machine disk utilization

Answer: D

NEW QUESTION 90

Which Virtual Volumes service allows administrators to specify a set of storage requirements and capabilities for a virtual machine to match service levels required by hosted applications?

- A. Storage Policy Based Management
- B. Quality of Service

- C. Virtual Datastore
- D. Protocol Endpoint

Answer: A

NEW QUESTION 93

Which storage visualization technology can be used to mitigate the effects of latency during peak load periods?

- A. Storage I/O Control
- B. Virtual SAN
- C. Virtual Volumes
- D. Distributed Resource Scheduler

Answer: A

NEW QUESTION 95

Which VMware product delivers intelligent operations management with application-to- storage visibility across physical, virtual, and cloud infrastructures?

- A. vRealize Operations Manager
- B. Site Recovery Manager
- C. vRealize Automation
- D. VMware NSX

Answer: A

NEW QUESTION 98

Which feature allows an administrator to configure virtual machines to startup and shutdown with an ESXi Host?

- A. Host Power Management
- B. Distributed Resource Scheduler
- C. Automatic Startup
- D. High Availability

Answer: C

NEW QUESTION 103

When powering off a vApp, in which order are the virtual machines powered off?

- A. in the order in which they were powered on
- B. in alphabetical order by virtual machine name.
- C. From highest to lowest startup order.
- D. From highest to lowest network bandwidth consumption

Answer: C

NEW QUESTION 105

Which two challenges could be resolved by Implementing Data Center Virtualization? (Choose two.)

- A. An organization's physical server Infrastructure Is approaching 90% utilization.
- B. An organization's physical server Infrastructure averages 30% utilization.
- C. The IT department is reporting slow storage performance.
- D. The IT department spends significant budget on power and cooling requirements.

Answer: AD

NEW QUESTION 107

Which two methods are supported when installing a Guest Operating System on a virtual machine? (Choose two.)

- A. ISO image
- B. vSAN
- C. Preboot execution environment
- D. NFS Share

Answer: AC

NEW QUESTION 109

An administrator works in a bank that has a highly regulated, secure environment. As the number of business clients increases, the administrator is finding it difficult to monitor the environment and trend resource utilization.

Which VMware product can help to provide a solution?

- A. AirWatch
- B. Virtual SAN
- C. vCenter Hypervisor
- D. vRealize Operations Manager

Answer: D

NEW QUESTION 113

Which options are possible with Data Center Visualization? (Choose two.)

- A. Virtual machines can be live migrated In the event of unplanned outage.
- B. Virtual machines can share the sane hardware resources.
- C. Virtual machines can easily migrate off of underlying hardware.
- D. Virtual machines can share host resources without possibility of contention.

Answer: AB

NEW QUESTION 118

Which solution optimizes an organizations infrastructure for efficiency and minimizes the risk of performance across both the virtual and physical infrastructure?

- A. vCloud Suite
- B. vRealize Operations manager
- C. vRealize Automation
- D. Horizon (with View)

Answer: C

NEW QUESTION 119

Which two features of vSphere helps organizations plan for disaster recovery? (Choose two)

- A. High Availability
- B. vSphere Replication
- C. Fault Tolerance
- D. Data Protection

Answer: BD

Explanation: vSphere Data Protection (VDP) creates image-level backups of VMs within your environment. It essentially captures the entire VM entity and stores it in a specified location. In the event of a VM deletion or other similar disaster, the VM can be restored in its entirety utilizing VDP.

vSphere Replication (VR) is a vSphere feature that copies VM information from one location to another. These locations can be within the same cluster, a different cluster, a different vCenter, or even a different datacenter. It is a continual copy of a VMs state performed on a defined interval. As with VADP, it replicates only the changes made since the last interval to reduce network bandwidth and increase copy times.

NEW QUESTION 124

Which two statements about virtual switches in vsphere virtual networking are true ?

- A. It monitors metadata about communications that occur in a network
- B. It can create isolated networks for testing and development .
- C. It performs application layer load balancing .
- D. It attaches virtual machines to the physical network.

Answer: CD

NEW QUESTION 129

What two data center challenges might a company face without VMware vSphere? (Choose two)

- A. Failing hardware components
- B. increased downtime
- C. increased CPU usage
- D. Certificate management

Answer: BC

NEW QUESTION 132

Which are two key features of vRealize Operations? (Choose two.)

- A. Realtime Log Monitoring
- B. Workflow Automation
- C. Guided Remediation
- D. Predictive Analytics

Answer: CD

NEW QUESTION 137

Which two chart types are available when viewing performance metrics in the vSphere Web Client? (Choose two.)

- A. Venn diagram
- B. scatter plot
- C. Gantt chart

- D. line chart
- E. pie chart

Answer: DE

NEW QUESTION 139

What are two capabilities of Network I/O Control? (Choose two.)

- A. it sets network reservations for physical traffic entering vSphere Distributed Switches.
- B. it enforces a network bandwidth limit on vSphere Distributed Switches
- C. it maintains the network runtime state for virtual machines
- D. it performs load-based teaming for workloads on teamed vNICs.

Answer: BD

NEW QUESTION 143

Which component provides data persistence in an all-flash storage architecture?

- A. Storage Area Network
- B. Solid State Drive
- C. NFS Replication
- D. iSCSI

Answer: B

NEW QUESTION 145

What are two benefits that virtual machines provide over physical machines? (Choose two.)

- A. VMs with different operating systems can run on the same physical machine.
- B. VMs can be isolated from one another on the same network switch.
- C. VMs can access large Storage Area Networks (SANs).
- D. VMs can be isolated from one another even on the same physical machine.

Answer: AD

NEW QUESTION 147

An operator installs an OS to a new virtual machine (VM) using a DVD inserted into the ESXi host. Later, the operator notices that a vMotion migration on the new VM fails. What action needs to be taken in order for the vMotion migration to succeed?

- A. initiate a high-priority vmotion
- B. Add a virtual CD/DVD drive to the VM.
- C. Add a CD/DVD drive to the target ESXi host
- D. Disconnect the CD/DVD drive from the VM.

Answer: D

NEW QUESTION 149

A beverage company has a critical virtual machine running on vsphere . The virtual machine runs an application that controls the customer automatic botting line. An outage of this virtual machines stops the line and results in enormous costs for the business. The application is extremely old and does not support application level clustering .

Which two vsphere features help reduce downtime for this critical virtual machine in case of esxi host failure? choose two)

- A. Vshield endpoint
- B. Fault tolerance
- C. High availability
- D. Cross-v center vmotion

Answer: BC

NEW QUESTION 150

What are three valid ESXi host states?

- A. Maintenance mode.
- B. Disconnected
- C. Installing
- D. Connected
- E. Transition

Answer: ABD

NEW QUESTION 151

An organization with 3 separate datacenters is looking to standardize their virtual templates

What vSphere feature will allow them to centrally manage the distribution of the VM templates to all 3 datacenters?

- A. Storage DRS

- B. vMotion
- C. Long Distance vMotion
- D. Content Library

Answer: D

NEW QUESTION 153

How does Storage I/O Control protect the service level of critical virtual machines?

- A. Gives preferential I/O resource allocation to critical virtual machines
- B. Allocates I/O resources equally among all virtual machines
- C. Monitors the storage habits of the virtual machines
- D. takes a count of virtual machines on the storage device

Answer: A

NEW QUESTION 156

What should be done if an administrator wants to use Storage DRS, but prevent it from performing balancing functions automatically?

- A. Use manual mode in Storage DRS
- B. Use Storage vMotion
- C. Use automatic mode in Storage DRS
- D. Disable Storage DRS

Answer: A

NEW QUESTION 158

Which vCenter Server capability centrally stores virtual machines and templates in a virtualized data center?

- A. Virtual Volume
- B. vApp
- C. Content Library
- D. Virtual SAN

Answer: C

NEW QUESTION 161

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