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QUESTION 1

Which three traffic types are available services options when configuring a vmkernel port? (Choose three.)

A. Provisioning Traffic

B. Virtual Volumes Traffic

C. vSphere Replication NFC Traffic

D. Virtual SAN Traffic

E. FCoE Traffic

Correct Answer: ACD

You can enable services for the default TCP/IP stack on the host. Select from the available services:

vMotion traffic. Enables the VMkernel adapter to advertise itself to another host as the network connection

where vMotion traffic is sent. The migration with vMotion to the selected host is not possible if the vMotion

service is not enabled for any VMkernel adapter on the default TCP/IP stack, or if no adapters are using

the vMotion TCP/IP stack.

Provisioning traffic. Handles the data transferred for virtual machine cold migration, cloning, and snapshot

creation.

Fault Tolerance traffic. Enables Fault Tolerance logging on the host. You can use only one VMkernel

adapter for FT traffic per host.

Management traffic. Enables the management traffic for the host and vCenter Server. Typically, hosts have

such a VMkernel adapter created when the ESXi software was installed. You can create another VMkernel

adapter for management traffic on the host to provide redundancy.

vSphere Replication traffic.Handles the outgoing replication data that is sent from the sourceESXi host to

the vSphere Replication server.

vSphere Replication NFC traffic. Handles the incoming replication data on the target replication site.

Virtual SAN. Enables the Virtual SAN traffic on the host. Every host that is part from a Virtual SAN cluster

must have such a VMkernel adapter.

Reference: https://pubs.vmware.com/vsphere-60/index.jsp?topic=%

2Fcom.vmware.vsphere.networking.doc%2FGUID-1C0D8D8D-F9A5-4443-9AE7-544742630D39.html

QUESTION 2

An organization has an ESXi 6.x host that contains two resource pools. The host is being relocated to a DRS cluster.

What two actions can be taken to integrate the host into the cluster, and what would happen to the existing ESXi resource pool hierarchy as a result? (Choose two.)

A. Place all of the host\\'s virtual machines into the DRS cluster root resource pool. The resource pools present on the host will be deleted.

B. Create a resource pool for the ESXi host\\'s virtual machines and resource pools. The resource pools present on the host will be deleted.

C. Place all of the host\\'s virtual machines into the DRS cluster root resource pool. The resource pools present on the host will be preserved.

D. Create a resource pool for the ESXi host\\'s virtual machines and resource pools. The resource pools present on the host will be preserved.

Correct Answer: AD

First, place all of the host\\'s virtual machines into DRS cluster root resources pool. The resource pool present on the host will be deleted. Create a resource pool for the ESXi host\\'s virtual machines and resource pools. It will be preserved. Reference: https://communities.vmware.com/thread/473862?start=0andtstart=0

QUESTION 3

How are ports scaled on vSphere Standard Switches (vSS)?

A. Ports on a vSS can be dynamically scaled up and down.

B. Ports on a vSS can only be statically scaled up or down.

C. Ports on a vSS can only be dynamically scaled down.

D. Ports on a vSS can only be dynamically scaled up.

Correct Answer: A

To ensure efficient use of host resources on hosts running ESXi 5.5 and later, the number of ports of standard switches are dynamically scaled up and down. A standard switch on such a host can expand up to the maximum number of ports supported on the host. Reference: https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.networking.doc%2FGUID-350344DE-483A-42ED-B0E2-C811EE927D59.html

QUESTION 4

An administrator receives a report that no real time statistics are available for a virtual machine in the vCenter Server inventory.

Which two statements indicate likely causes of the problem? (Choose two.)

A. The virtual machine is powered off.

B. The host containing the virtual machine is disconnected from vCenter Server.

C. There is insufficient real time data to display the information.

D. The vCenter Server service is not running.

Correct Answer: AB

The most likely cause might be that the virtual machine is powered off or the host containing the VM is

disconnected from the vCenter server.

Reference: https://kb.vmware.com/selfservice/microsites/search.do?

language=en_USandcmd=displayKCandexternalId=1003979

QUESTION 5

An administrator is editing the management network configuration of an ESXi 6.x host from the vSphere Web Client, but mistakenly puts the incorrect VLAN in place for the management network.

What action do you need to take to correct this?

A. No action is required. By default, ESXi rolls back configuration changes that disconnect the host.

B. The ESXi host system configuration will need to be restored to the factory configuration to fix the issue.

C. Manually edit the configuration on the host with command line utilities.

D. The change can be reverted in the vSphere Web Client by simply editing the switch again.

Correct Answer: A

QUESTION 6

Which three VLAN Tagging modes are available in vSphere 6.x? (Choose three.)

A. External Switch Tagging

B. Private VLAN Tagging

C. Virtual Switch Tagging

D. VXLAN Tagging

E. Virtual Guest Tagging

Correct Answer: ACE

There are 3 types of tagging available in vSphere.

1.Virtual Switch Tagging (VST) 2.External Switch Tagging (EST) 3.Virtual Guest Tagging (VGT)

VLAN tagging is determined by the VLAN value specified at the port group and it tells the vSwitch or Phyiscal switch or Virtual machines to how to handle the VLAN tagging.

Reference: http://www.vmwarearena.com/vlan-tagging-vst-est-vgt-on-vmware/

QUESTION 7

Which three are requirements when using vMotion to move a virtual machine across vCenter Server systems? (Choose three.)

A. Both vCenter Servers must be using Enhanced Linked Mode.

B. Both vCenter Servers must be in the same Single Sign-On Domain.

C. Time must be synchronized.

D. Duplicate VM MAC addresses must be configured.

E. Both vCenter Servers must have High Availability enabled on source and destination clusters.

Correct Answer: ABC

Both of the vcenter servers must be using enhanced linked mode along with the same single sign-on

domain. And the time must be synchronized.

Reference: https://kb.vmware.com/selfservice/microsites/search.do?

language=en_USandcmd=displayKCandexternalId=2106952

QUESTION 8

An administrator is cloning and configuring five new web server virtual machines.

What would be the benefit of configuring resource shares for the new VMs?

A. To prioritize access to a resource during contention.

B. To guarantee access to a resource during contention.

C. To prioritize access to a resource before contention occurs.

D. To guarantee access to a resource before contention occurs.

Correct Answer: A

Configuring resource shares for the new Vms can prioritize access to a resource during contention Reference: http://www.settlersoman.com/vmware-vsphere-basics-understanding-resource-pools/

QUESTION 9

An administrator deploys vRealize Operations into a vSphere 6.x environment. After the deployment, the administrator notices that badges are not appearing.

What is a likely cause of this behavior?

A. Badges do not appear until you register vRealize Operations with vCenter Server.

B. Badges do not appear until you register a vCenter Server in vRealize Operations.

C. The vRealize Operations appliance needs to be redeployed.

D. The vCenter Server appliance needs to be redeployed.

Correct Answer: A

If the badges are not appearing, check if you registered vRealize operations with vcenter server. Reference: https://www.vmware.com/support/vrops/doc/vrops-60-release-notes.html

QUESTION 10

An administrator is creating a new Virtual SAN cluster on a Layer 2 network. There is an existing Virtual SAN cluster on the same Layer 2 network.

Which two actions would allow the new Virtual SAN cluster to coexist with the previously created cluster? (Choose two.)

A. Change the default Multicast Address on the new Virtual SAN cluster.

B. Change the default Unicast Address on the new Virtual SAN Cluster.

C. Create a separate VLAN for each cluster.

D. Create an ARP Alias for the Virtual SAN VMkernel Network Adapter.

Correct Answer: AB

To configure virtual san cluster to coexist with older cluster, you need to change the default multicast address on the netw virtual san cluster and change the default unicast address on the new virtual san cluster.

Reference: https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-5656EA30-F7C7-494C-A356-E1471942625A.html

QUESTION 11

What must be enabled to ensure that VM Component Protection (VMCP) works in a High Availability cluster?

A. VMware Tools Virtual Machine Communication Interface (VMCI)

B. Fault Tolerance

C. Atomic Test and Set (ATS)

D. All Paths Down (APD) Timeout

Correct Answer: D

There are two types of datastore accessibility failure:

PDL (Permanent Device Loss) is an unrecoverable loss of accessibility that occurs when a storage device reports the datastore is no longer accessible by the host. This condition cannot be reverted without powering off virtual machines.

APD (All Paths Down) represents a transient or unknown accessibility loss or any other unidentified delay in I/O processing. This type of accessibility issue is recoverable.

Reference: https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.avail.doc% 2FGUID-F01F7EB8-FF9D-45E2-A093-5F56A788D027.html

QUESTION 12

An administrator wants to deploy a vApp and dynamically assign IP addresses without a DHCP server on the network.

Which action would you take to accomplish this task?

A. Enable IP pools.

B. Configure a local DHCP server in the vApp.

C. Enable NAT on the vApp router.

D. Configure the guest OS for workgroup and WINS.

Correct Answer: A

IP pools were first introduced with vSphere 4, but they\'re not necessarily used by everyone. IP pools are necessary if you want create or deploy a vApp. They provide a network identity to vApps. IP pool gives a network config to VMs that run in the vApp. So you\'ll also need to have an IP pool configured if you want to test vCloud Automation Center (VCAC) or Horizon Workspace.

When you configure an IP Pool you specify a range of either IPv4 or IPv6 addresses, DNS and proxy settings, and select which vSwitch port groups that the pool will be available to. Usually you\'ll want to do a static IP for server VMs, but you might want to have a test VLAN for developments and you need DHCP there.

Reference: http://www.vladan.fr/configuring-ip-pools/

QUESTION 13

An administrator has been tasked with enabling High Availability (HA) on a cluster in a vSphere 6.x environment with default settings. The cluster configures properly and there are no errors. The next day when powering on a virtual machine, an error is presented:

Not Enough Failover Resources

Which three scenarios are likely causes of this error message? (Choose three.)

A. The default VM Monitoring Sensitivity is set too high.

B. There are not enough datastore heartbeat datastores configured by default.

C. The default slot size in the cluster is set too high.

D. There are virtual machines with large CPU reservations.

E. A host is in maintenance mode for a replacement of a failed Hard Drive.

Correct Answer: CDE

This error message happens when the default slot size in the cluster is too high or the virtual machines with large CPU reservations are used. It also happens when the host is in maintenance mode for the replace of a failed hard drive.

Reference: https://pubs.vmware.com/vsphere-4-esx-vcenter/index.jsp?topic=/com.vmware.vsphere.availability.doc_41/c_useha_works.html

QUESTION 14

Refer to the Exhibit.
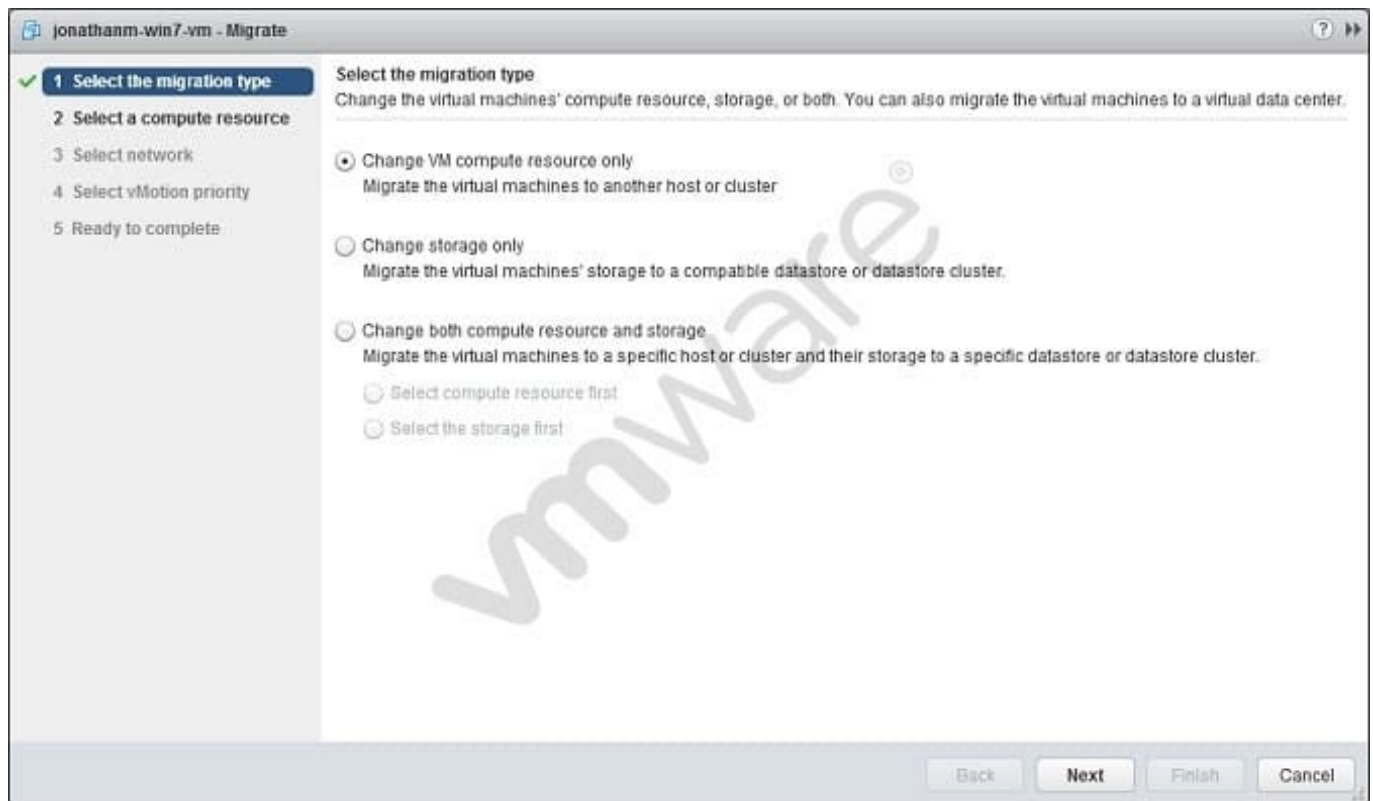
An administrator is migrating a powered-on virtual machine, as shown in the exhibit. Which option should be selected to perform a Storage vMotion of the VM?

A. Change storage only

B. Change VM compute resource only

C. Change both compute resource and storage, changing the compute resource first.

D. Change both compute resource and storage, changing the storage resource first.

Correct Answer: A

QUESTION 15

An application running in a virtual machine is experiencing performance issues. When utilizing performance monitoring utilities, it is noted that the CPU Utilization of the application is at 100%.

Which two scenarios are probable causes of the CPU contention for the application? (Choose two.)

A. There is a network I/O constraint.

B. There is a storage I/O constraint.

C. There is insufficient disk space assigned to the virtual machine.

D. The application is not virtualization aware.

Correct Answer: AB

There are two possible causes. One is a network I/O constraint and the other is storage I/O constraint. Reference: https://kb.vmware.com/selfservice/microsites/search.do? language=en_USandcmd=displayKCandexternalId=2001003

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