Vendor: VMware

Exam Code: 1V0-21.20PSE

Exam Name: Associate VMware Data Center Virtualization

Version: DEMO

QUESTION 1
Which software-defined, object-based storage solution provides shared storage for vSphere clusters without using traditional external storage?

A. ISCSI
B. vSAN
C. NFS
D. vVOLS

Answer: D
Explanation:
vVOLs is software-defined, object based storage solution, not traditional iSCSI and vSAN are traditional.
https://docs.vmware.com/en/VMware-vCloud-NFV-OpenStack-Edition/3.3/vmware-vcloud-nfv-openstack-edition-ra33/GUID-4EA2DA75-6FA4-44E1-BC0C-23D106345D08.html

QUESTION 2
An administrator is concerned that a VM has high ballooning activity and needs to check the default display of the Advanced Performance pane in the vSphere Client to confirm this activity.

Which view should the administrator choose in the default display?

A. Network
B. Power
C. Memory
D. Virtual disk

Answer: C
Explanation:
Virtual memory ballooning is a memory reclamation technique used by a hypervisor, when it runs low on RAM memory, to allow the physical host system to retrieve unused memory from some guest virtual machines (VMs) and share it with others mainly.

QUESTION 3
Which feature must be enabled to configure vSphere Proactive HA?

A. vSphere DRS
B. Cluster EVC
C. Fault Tolerance
D. vSphere HA

Answer: A
Explanation:
You need to enable and configure Distributed Resource Scheduler (DRS) in a vSphere cluster before you can enable Proactive HA. You can configure vSphere HA and DRS together for a cluster.

QUESTION 4
An administrator is migrating 100 virtual machines from one ESXi Host to another. The current lGigE network cards are only migrating four virtual machines simultaneously.

Which action should the administrator take to increase that number to eight?

A. Add more memory to the ESXI hosts
B. Add a 10GigE network card to each ESXi host
C. Configure port mirroring
D. Configure Load Balancing

Answer: B
Explanation:
Network Limits for Migration with vMotion
vMotion 5.0, 5.1, 5.5, 6.0, 6.5, 6.7, 7.0 1GigE 4VM
vMotion 5.0, 5.1, 5.5, 6.0, 6.5, 6.7, 7.0 10GigE 8VM

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-25EA5833-03B5-4EDD-A167-87578B8009B3.html

QUESTION 5
Traditional operating systems allocate resources such as CPU and memory for applications installed on computers.
Which vSphere component schedules resource for virtual machines in a similar way?

A. virtual Hardware
B. vCenter Server
C. ESXi Hypervisor
D. VMware Tools

Answer: B
Explanation:
vCenter Server manages these hosts' resources jointly: the cluster owns all of the CPU and memory of all hosts.
https://docs.vmware.com/en/VMware-vSphere/6.0/vsphere-esxi-vcenter-server-601-resource-management-guide.pdf

QUESTION 6
An administrator need to migrate a powered off virtual machine to another cluster with no shared storage. Which option should the administrator select for a successful migration?

A. Change storage only
B. Migrate virtual machines(s) to a specific datacenter
C. Change computer resource only
D. Change both compute resource and storage

Answer: D
Explanation:
If a VM is being migrated to another cluster that does not have shared storage than both compute resource and storage option needs to be checked.

QUESTION 7
Which two configuration options can only be enabled on distributed switches?

A. NetFlow

B. Port Mirroring
C. NIC Teaming
D. Load Balancing
E. VLAN IDs

Answer: AB
Explanation:
Standard Switch Features: VLAN support, Security policy, NIC teaming and failover policy, and Traffic shaping policy for outbound traffic.
Distributed Switch Features: (All of the aforementioned features on a Standard Switch) Traffic shaping policy for inbound traffic, NetFlow, Port mirroring, and Network I/O Control.

QUESTION 8
Which storage protocol is supported by vSphere?

A. NFS
B. FTP
C. CIFS
D. SMB

Answer: A
Explanation:
NFS is the only storage protocol option. The other options are transfer protocols.

QUESTION 9
An administrator is browsing a datastore and notices a file with a .vmtx extension.
What are the contents of this file?

A. Virtual machine snapshot
B. Virtual disk characteristics
C. Template configuration
D. Virtual machine configuration

Answer: C
Explanation:
A .vmtx file is created when you convert a virtual machine to a template. The .vmtx file replaces the virtual machine configuration file (.vmx file).
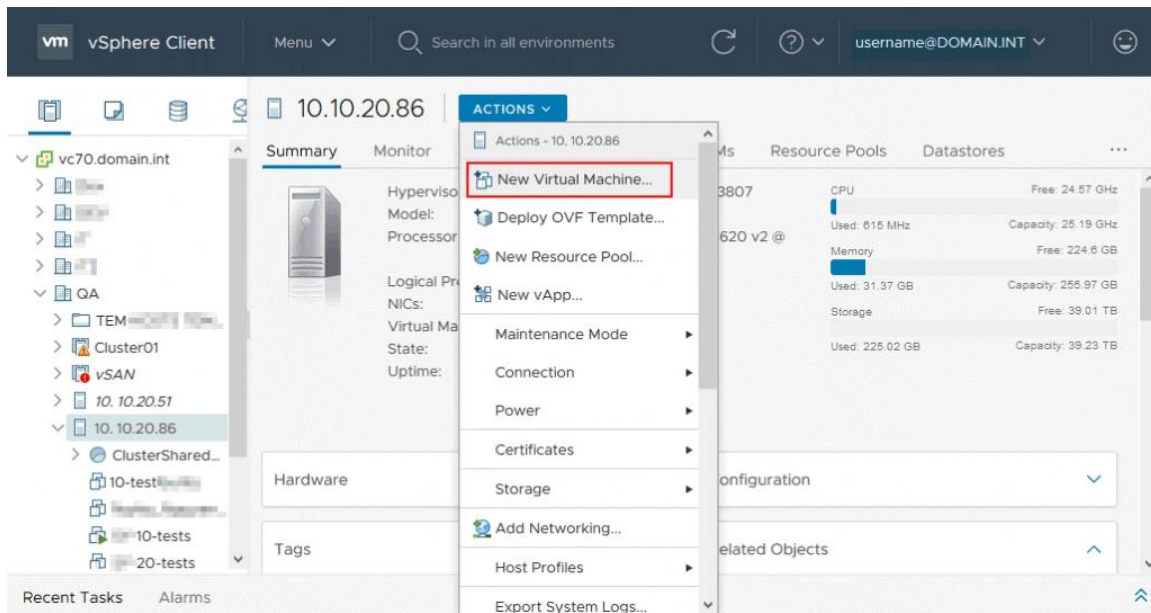
QUESTION 10
Which selection is optional when deploying a new virtual machine in the vSphere Client?

A. Compute resource
B. Guest OS
C. Folder
D. Data center

Answer: D
Explanation:
Once you have logged in to vCenter 7, click Hosts and Clusters, select your data center, and click the ESXi host on which you want to create a new virtual machine.

QUESTION 11
An administrator needs to update an OS running on a virtual machine and wants to be able to revert to the previous state if any issues occure after the update.
Which steps should be used in the vSphere Client to meet this requirement?

A. Right click on the VM > Migrate
B. Right click on the VM >Snapshots > take Snapshot
C. Right click on the VM > Clone to Template
D. Right click on the VM > Clone to virtual Machine

Answer: B
Explanation:
You take a snapshot so if there is anything wrong with the update you can revert to previous state.

QUESTION 12
Which object-based storage can be used to store virtual machines?

A. NFS
B. vVols
C. RDM
D. VMFS

Answer: B
Explanation:
VMWare Virtual Volumes (VVOL) isn't a type of storage, it's a type of overlay that works with SAN or NAS storage types. When implemented, VVOL's give you storage policy-based management as well as fine grained control of your storage.

QUESTION 13

An administrator has noticed an increase in network latency when powered-off virtual machines are migrated.
Which VMkernel adapter can the administrator use to reduce this latecy?

A. vSAN
B. vSphere Replication
C. Provisioning
D. vMotion

Answer: C
Explanation:
VMKernel Port: Provisioning TCP/IP Stack
Supports the traffic for virtual machine cold migration, cloning, and snapshot migration.

QUESTION 14
An operator must deploy three virtual machines from a template named Win10-Template, and all three VMs must be configured with unique computer names.
Which action must the operator take to achieve this goal?

A. Clone Win10-Template three times, and then change the computer name in each clone.
B. Export Win10-Template to the local filesystem, and then change the computer name.
C. Use a Windows 10 customization specification when deploying the virtual machines.
D. Create the virtual machines using the New virtual Machine wizard.

Answer: C
Explanation:
In Windows environment each system has a SID, this one must be unique when creating vms, with cloning it will keep the same SID.

QUESTION 15
A vSphere administrator is unable to remove an ESXi host from a vSphere Distributed Switch (VDS).
Which two reasons could have caused this issue?

A. The VDS is configured with ingress traffic shaping.
B. Virtual machines network adapters on the host are connected to the switch
C. Virtual machine network adapters are faulty.
D. The ESXi host is connected to another VDS.
E. The ESXi host had VMkernel adapters assigned to the switch.

Answer: BE
Explanation:
If you are trying to remove an ESXi host from a Distributed Switch you first have to make sure there aren't any running VMs or Hosts using the assigned VMkernel.
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-9C1791EC-7EDA-4945-A799-0409AE46C40A.html

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