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QUESTION 1

What component of Oracle VM Product is specifically responsible for the automatic failover process?

A. OCFS2

B. Server Pool Master

C. Oracle Clusterware

D. utility server

E. virtual machine server

Correct Answer: B

http://docs.oracle.com/cd/E11081_01/doc/doc.21/e10898/ha.htm To enable HA, you must first make sure all Virtual Machine Servers in the server pool:

Use the same shared storage.

Are in the same OCFS2 or NFS cluster.

Are Oracle VM Server Release 2.1.2 or above.

Have the same cluster root, which is a specially designated shared storage used for heatbeating in the cluster. For example, the cluster root might be example.com:/OVS for an NFS cluster, or /dev/sdd6 for an OCFS2 cluster. The heartbeat file would be located at example.com:/OVS/.server_pool_hb for an NFS cluster. There is no heartbeat file for an OCFS2 cluster as one is in-built in the file system.

Have the cluster root mounted at /OVS. All other storage may be mounted at the standard location of / OVS/uuid.

Have moved any /OVS mount points (set in FSTAB for Releases 2.1 or 2.1.1) to the /etc/ovs/repositories file. All storage, even that mounted at /OVS, must be maintained in the /etc/ovs/repositories file. You can move the mount points to the /etc/ovs/repositories file with the following command:

/usr/lib/ovs/ovs-cluster-check --alter-fstab

Have a shared cluster root at /OVS, and not local, using clustered OCFS2 on SAN, or ISCSI storage, or NFS on NAS. The default local storage is OCFS2, and is not supported with HA.

QUESTION 2

Which two hardware requirements exist for an HA-enabled server pool with Live Migration?

A. Each server in the pool must have the exact same model of processor.

B. Each server in the pool must have the same amount of memory.

C. Each server in the pool must have similar processors, specifically vendor, family and steppings.

D. Each server in the pool must be connected to shared storage.

E. Each server in the pool must be large enough to support the largest virtual machine in the pool

Correct Answer: CD

QUESTION 3

What two steps can be used to create a highly available storage repository?

A. Turn on HA in the storage pool to create a redundant backup of virtual machines hosted in thatstorage pool.

B. Use network bonding to create multiple redundant paths to an iSCSI LUN

C. Use multipathing to create multiple storage network paths to a SAN LUN.

D. Use Oracle Clusterware to create multiple paths to a SAN LUN.

E. Use Oracle Clusterware to create each storage repository on a different storage network.

Correct Answer: AD

QUESTION 4

A customer wants to use hard partitioning with Oracle VM to restrict the number of cores that can be used by a virtual machine to four cores.

Which method will best accomplish that goal?

A. In Oracle VM Manager, set the maximum number of CPUs to 4.

B. Use the xm vcpu-pin command on the domain once it is up and running, using 4 for the CPUs parameter.

C. Modify the cpus line in vm.cfg to set the cpus to 0-3.

D. Use the xm vcpu-set command before the domain is up and running, using 4 for the CPUs parameter.

E. Modify the vcpus line in vm.cfg to read: vcpus=4.

Correct Answer: E

QUESTION 5

Identify the mechanism for combining one or more network interfaces to provide better throughput and failover capabilities.

A. VLAN

B. Port authentication

C. Spanning Tree

D. Link Aggregation

E. Dedicated link

Correct Answer: D

Reference: http://docs.oracle.com/cd/E36500_01/E36503/html/performance-networking.html (see 7.5.2)

QUESTION 6

Networking is not working for several guests on a particular host. Which two commands can help troubleshoot the networking?

A. xm list -1 will show all of the network interfaces for all of the virtual machines, which can be used to see which bridge is having problems.

B. config_network.py -l will show which network interfaces are in use, and which are having problems.

C. brctl show will show the status of each bridge, and which VIFs are connected to it. This canthen be used to determine which bridge is having problems.

D. System-config-network will list the virtual interfaces, which can be inspected to see which are having problems.

E. ifconfig -a will show a list of all network interfaces and their current status, which will help determine which bridge is having problems.

Correct Answer: CE

QUESTION 7

When crating a repository on an iSCSI LUN, how should the LUN be formatted?

A. The LUN should be formatted with ext3 from every participating node in the cluster.

B. The LUN should be formatted with ext3 from a single node in the cluster.

C. The LUN should be formatted with OCFS2 from every participating node in the cluster.

D. The LUN should be partitioned, and then formatted with OCFS2 from every participating node in the cluster.

E. The LUN should be formatted with OCFS2 from a single node in the cluster.

Correct Answer: E

http://linux.cloudibee.com/2013/01/ocfs2-cluster-quick-setup-guide/

QUESTION 8

An Oracle VM Server is continually losing its connection to the repository. What service is responsible for maintaining timeouts for the OCFS2 cluster stack?

A. ocfs2

B. o2cb

C. ovs-agent

D. ovsrepositories

Correct Answer: B

QUESTION 9

A virtual machine is copied onto portable media and transferred to another machine In a different server pool. The virtual machine is then run on the new host, but it falls to boot. What are two potential problems?

A. The virtual machine was not exported properly using the Oracle VM Manager.

B. The virtual machine configuration file needs to be changed to update the new paths to its virtualdisks.

C. The virtual machine configuration file lists bridges that do not exist on the new host.

D. The virtual machine has not been registered with Oracle VM yet.

Correct Answer: AD

QUESTION 10

Which statement best describes the pricing metric for Oracle VM configurations?

A. Oracle VM Server support contract is purchased for each server. Oracle VM Manager is included at no charge.

B. Oracle VM Server license and support contract is purchased for each server. Oracle VM Manager is included at no charge.

C. Oracle VM Server license and support contract is purchased for each server. Oracle VM Manager license and support contract is purchased for each server.

D. Oracle VM Server license and support contract is purchased for each server. Oracle VM Manager license and support contract is purchased for one server.

E. Oracle VM Server support contract is purchased for each server. Oracle VM Manager support is purchased for one server.

Correct Answer: B

QUESTION 11

What does tools are available from 0racle that best describe virtual machine performance ofa virtual machine?

A. xm list

B. oswatcher installed in the guests

C. top

D. xm top

E. cat /proc/cpuinfo

Correct Answer: D

QUESTION 12

The Oracle VM administrator is having issues shutting down a virtual machine. Which log file will best help troubleshoot whether the shutdown command is being successfully executed on the target server?

A. /var/log/ovs-agent/ovs_performance.log

B. /var/log/ovs-agent/ovs_operation.log

C. /var/log/xen/xend.log

D. /var/log/xen/xend-debug.log

Correct Answer: C

QUESTION 13

A 64-bit Windows XP Installation CD has been ripped to an ISO file named WinXP.iso, and has been put in the /OVS/iso_pool/ directory with user and group-readable permissions. When navigating to the Import ISO screen in the Oracle VM Manager, no ISOs are available for import.

What has gone wrong?

A. 64-bit Windows XP is not a supported guest operating system, and the Oracle VM Manager will not show unsupported guest ISO files.

B. The user has not selected the appropriate ISO Group on the Import form.

C. The ISO file should be located under a subdirectory of /OVS/iso_pool, not the /OVS/iso_pool directory itself.

D. The ISO file should be located under/OVS/seed_pool, not/OVS/iso_pool.

E. The ISO file must have world-readable permission to be read by Oracle VM.

Correct Answer: B

QUESTION 14

You have a large number of virtual machines that need access to a storage repository. Which answer describes the factors you use to determine your storage repository strategy?

A. Oracle VM 3.x has multiple identical storage repositories. Additional identical repositories can be added as needed. A best practice is to select a medium size for the repository

based on your usage.

B. The way to grow an Oracle VM 3.x storage repository is to add additional space to the rootrepository as needed. A best practice is to only configure additional space when determined it is needed.

C. Oracle VM 3.x has a single fixed storage repository. A best practice is to configure the repository with 30%-40% headroom for growth.

D. The way to grow an Oracle VM 3.x storage repository is to add sub-repositories beneath the root repository. A best practice is to provision one or more larger repositories to avoid the management overhead of numerous sub-repositories.

Correct Answer: A

Explanation: You can use the split technology to split your partitions as a 2 GB space and can define the max size and when needed Oracle VM can automatically add the more storage there and also you can modify the max size of the storage repository.

QUESTION 15

A number of high priority virtual machines require significant file system access and you are trying to decide what type of memory impact on dom0 they will have. Which two are best practices you should consider for memory use in dom0?

A. You should always run a find command on dom0 to fill the file system buffer cache for bestperformance.

B. You should not run a find command on dom0 as it will use up Dom0 memory and potentiallycause double buffering with virtual machines.

C. When increasing load with additional virtual machines, you should always add more memory todom0.

D. When increasing load with additional virtual machines, you generally wont add more memory todom0.

Correct Answer: AC

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