

1Z0-590^{Q&As}

Oracle VM 3.0 for x86 Essentials

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QUESTION 1

If a guest domain is not responding, and powering off the guest through the console does not work, which xm command can be used to kill the guest immediately (equivalent to pulling the power plug)?

- A. xm shutdown
- B. xm reset
- C. xm destroy
- D. xm delete
- E. xm pause

Correct Answer: A

QUESTION 2

What two benefits can be derived from having multiple utility servers?

- A. A second utility server can provide a backup in case the main utility server dies.
- B. Only one utility server is allowed per server pool.
- C. A second utility server can be configured to switch to a Server Pool Master role if no more ServerPool Masters are available.
- D. A second utility server can help load balance high I/O loads.
- E. A second utility server is only needed if HA is turned on. In that case, it can provide a backup in case the main utility server dies

Correct Answer: CD

QUESTION 3

When a domain is live migrated, what resources are migrated between the source and target servers?

- A. First the VM files are migrated between the servers, then the memory, then the CPU registers.
- B. First the VM files are migrated between the servers, then the memory.
- C. First the memory is migrated between the servers, and then the CPU registers.
- D. Only memory is migrated.

Correct Answer: A

Explanation:

live migration - is similar to warm migration, except that the guest is not suspended during transmission. Instead, the LDom manager keeps track of memory changed while state is being transmitted, and then makes followup passes to retransmit data changed state information. A brief pause is used at the end to transmit residual changed state. This method is typical for virtual machine systems that provide live guest migration.

QUESTION 4

What is the effect of running a server pool restores?

- A. When you restore a server pool, all the data stored in the Oracle VM Manager database is deleted, and the data in the server pool master and virtual machine servers is used to restock the database.
- B. When you restore a server pool, all servers are removed from the pool, and the data in the database is removed, restoring the server pool to its initial state.
- C. When you restore a server pool, all the data stored in the server pool master will be deleted, and will be synchronized with the latest information from the Oracle VM Manager database. The server pool master is responsible for updating the individual Oracle VM servers' agent databases.
- D. When you restore a server pool, a signal is sent out to each server in the pool, which responds with the current state of all of the virtual machines it hosts. This data is used to restore the data in the Oracle VM database.

Correct Answer: C

QUESTION 5

In an emulated/translated environment with ten guests, each operating at 1000Hz clock rate, how many interrupts will be created per second?

- A. 1
- B. 100
- C. 1,000
- D. 10,000
- E. 100,000

Correct Answer: C

QUESTION 6

What command will show the current status of all Oracle VM Agent components?

- A. service ovs status
- B. xm show ovs-agent
- C. service ovs-agent status
- D. repos.py -1
- E. xm dmesg

Correct Answer: C

QUESTION 7

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 8

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 best performance.
- B. You should not run a find command on dom0 as it will use up Dom0 memory and potentially cause double buffering with virtual machines.
- C. When increasing load with additional virtual machines, you should always add more memory to dom0.
- D. When increasing load with additional virtual machines, you generally won't add more memory to dom0.

Correct Answer: AC

QUESTION 9

Which three attributes of an existing virtual disk can be changed using Oracle VM Manager?

- A. Virtual Disk N
- B. Virtual Disk Size
- C. Hard Drive Type
- D. QoS Enabled
- E. Priority Class

Correct Answer: CDE

QUESTION 10

What task can an Administrator do that a Manager cannot in Oracle VM Manager?

- A. manage server pools
- B. manage servers
- C. manage resources
- D. manage virtual machines
- E. create users and groups
- F. import resources

Correct Answer: E

Explanation: Oracle VM Manager can manages the server pools, resources, virtual machines and also it can import resources but it cannot create the users and groups.

QUESTION 11

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 12

When creating 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 13

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 that storage 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 14

In hardware virtualized environment, which answer best describes the drivers that are used in dom0 and the guest to communicate block I/O requests?

A. QEMU emulation is used in dom0, and a blkfront driver is used in the guest.

- B. A native device driver is used in dom0, and QEMU emulation is used in the guest.
- C. A blkfront driver is used in dom0, and a blkback driver is used in the guest
- D. QEMU emulation is used in dom0, and a native device driver is used in the guest.
- E. Native drivers are used in both dom0, and the guest.

Correct Answer: A

QUESTION 15

Which two statements describe Oracle Validated Configurations?

- A. Oracle Validated Configurations provide testing of a "complete component stack" and recommendations on versions, settings, and fixes for the particular stack (software, hardware, and storage) based on running workloads in Oracle's or a partner's test lab.
- B. Oracle Validated Configurations are a mandatory step in Oracle's certification process.
- C. Oracle Validated Configurations are working samples of hardware and software configurations in an Oracle VM environment.
- D. All validated configurations must be run in Oracle's lab.
- E. Oracle Validated Configurations are potential examples of hardware and software configurations whose specifications are validated by Oracle.

Correct Answer: E

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