

# LPI 306-300

## LPI High Availability and Storage Clusters

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# Latest Version: 6.0

## Question: 1

Which options to the xl command will deactivate a running Xen virtual machine?  
(Choose TWO correct answers.)

Response:

- A. destroy
- B. remove
- C. shutdown
- D. stop
- E. halt

**Answer: A,C**

## Question: 2

Within the graphical output of a KVM virtual machine, which key sequence switches to the KVM monitor of the VM?

Response:

- A. Ctrl-Alt-1
- B. Ctrl-Alt-0
- C. Ctrl-Alt-4
- D. Ctrl-Alt-2
- E. Ctrl-Alt-3

**Answer: D**

## Question: 3

What is the usual way to gain command line access to computing instances in an IaaS cloud?

Response:

- A. By providing a public SSH key to the cloud management system and using the matching private SSH key to log into the instances.
- B. Usually computing instances are accessed through a web frontend and do not allow command line access.
- C. By either telnet or SSH using the credentials of the cloud management system account with administrative privileges.

- D. By using a telnet session with the credentials set and publicized by the creator of the computing instance's system image.
- E. By using a VNC console which does not require authentication when it is invoked via the cloud management system.

**Answer: A**

### Question: 4

How can data be shared between several virtual machines running on the same Linux-based host system?

Response:

- A. By mounting other VM's file systems from `/dev/virt-disks/remote/`.
- B. By using a network file system or file transfer protocol.
- C. By default, Linux-based virtualization products provide full access to the host system to all virtual machines.
- D. By setting up a ramdisk in one virtual machine and mounting it using its UUID in the other VMs.
- E. By attaching the same virtual hard disk to all virtual machines and activating EXT4 sharing extensions on it.

**Answer: B**

### Question: 5

When used with KVM, which of the following block device image formats support snapshots?

Response:

- A. qcow
- B. dmg
- C. qed
- D. qcow2
- E. raw

**Answer: D**

### Question: 6

Which of the following statements are true regarding IaaS computing instances?

(Choose TWO correct answers.)

Response:

- A. Creation of new instances can be automated by using scripts or APIs and service interfaces.
- B. The root file system of a computing instance is always persistent and can be accessed after the instance is destroyed.
- C. Each and every user of an IaaS cloud has exactly one computing instance.
- D. Once created, computing instances are seldom deleted in order to ensure the accessibility of the instance's data.
- E. Instances may be created when needed and destroyed when they become obsolete.

**Answer: A,E**

### Question: 7

How does the command to add a new resource to a Pacemaker cluster using crm begin?  
Response:

- A. crm manage cluster
- B. crm configure primitive
- C. crm service add
- D. crm configure resource
- E. crm resource new

**Answer: B**

### Question: 8

Which of the following technologies are parts of the Red Hat Enterprise Linux High Availability Add-On?  
(Choose THREE correct answers.)  
Response:

- A. DRBD
- B. LVS
- C. cLVM
- D. Pacemaker
- E. OCFS2

**Answer: B,C,D**

### Question: 9

In case one service in a Pacemaker cluster depends on another service running on the same node, which score should be assigned to the constraint describing that dependency?  
Response:

- A. -1
- B. 0
- C. 1
- D. FORCE
- E. INFINITY

**Answer: E**

### Question: 10

When preparing a public machine image for the provisioning of new cloud computing instances, which of the following steps should be done?

(Choose TWO correct answers.)

Response:

- A. Remove all default users and groups, including root and nobody.
- B. Remove all configuration files from /etc/ that were not manually modified.
- C. Remove all confidential data from the image.
- D. Remove all remote login services (i.e. SSH) from the image.
- E. Remove all private SSH keys from the image

**Answer: C,E**

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