

304-200^{Q&As}

LPIC-3 Exam 304: Virtualization & High Availability, version 2.0

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QUESTION 1

Which of the following are valid KVM parameters? (Choose THREE correct answers.)

- A. -drive file=iscsi://user%password@fileserver/iqn.2001-04.com.example/1
- B. -drive file=rsync://user%password@fileserver:/tmp/file.iso,media=cdrom,readonly
- C. -drive file=ssh://user@host/tmp/file.img
- D. -drive file=imap://user:password@mailserver:/INBOX/Wufnc6MjYp@mailgate
- E. -drive file=http://user:password@fileserver/pub/linux.iso,media=cdrom,readonly

Correct Answer: ACE

QUESTION 2

Which of the following statements are true regarding IaaS computing instances? (Choose TWO correct answers.)

- 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.

Correct Answer: AE

QUESTION 3

Which of the following statements are true for full virtualization? (Choose TWO correct answers.)

- A. Full virtualization does not require changes to the guest operating systems.
- B. Full virtualization has no performance impact compared to a non-virtualized bare-metal installation on the same machine.
- C. Full virtualization has a severe performance impact and should not be used in production environments.
- D. Full virtualization may be supported by special CPU extensions that provide better performance.
- E. Full virtualization always requires additional software components and cannot be done using Linux only.

Correct Answer: AD

QUESTION 4

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

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

Correct Answer: D

QUESTION 5

What is the effect of running the `virsh vcpupin CLUSNODE-2 4 2` command?

- A. It sets the affinity of virtual CPU 4 of virtual machine CLUSNODE-2 to physical processor 2.
- B. It reduces the number of virtual CPUs in CLUSNODE-2 from 4 to 2.
- C. It increases the number of virtual CPUs in CLUSNODE-2 from 2 to 4.
- D. It sets the affinity for all virtual CPUs of virtual machine CLUSNODE-2 to the physical processors 2 and 4.

Correct Answer: A

QUESTION 6

Which of the following data should be copied to the virtual machine when migrating a physical machine to a virtual machine?

- A. The block device buffers
- B. The CPU flags
- C. The file systems or their content
- D. The CPU register's content
- E. The memory

Correct Answer: C

QUESTION 7

How can the state of the backing storage disks of a DRBD device be checked? (Choose TWO correct answers.)

- A. `cat /proc/drdb/status`
- B. `cat /proc/drdb`
- C. `drbdadm dstate all`
- D. `drbdadm diskstatus all`
- E. `drbdadm state --disk all`

Correct Answer: BC

QUESTION 8

Which of the following Messaging Layers are supported by Pacemaker? (Choose TWO correct answers.)

- A. Heartbeat
- B. OpenAIS
- C. DRBD
- D. SCMP
- E. Slurm

Correct Answer: AB

QUESTION 9

What is the name of the global configuration file for the xl tool stack? (Specify the file name only without any path.)

- A. `/etc/xen/xl.conf` -or- `xl.conf`

Correct Answer: A

QUESTION 10

Which of the following statements are true of full virtualization? (Select THREE correct answers)

- A. Full virtualization has superior I/O performance through the emulated device drivers.
- B. Full virtualization is faster than paravirtualization.
- C. Full virtualization requires time and system resources for emulation.
- D. Full virtualization requires no modification to the Guest OS kernel.

E. Full virtualization works through CPU emulation.

Correct Answer: CDE

QUESTION 11

Which command in the KVM monitor ejects the first IDE CDROM drive? (Specify the KVM monitor command INCLUDING ALL REQUIRED PARAMETERS.)

A. eject ide1-cd0 -or- eject -f ide1-cd0

Correct Answer: A

QUESTION 12

Which daemon applies the configuration and commands of libvirt to the virtualization components of the host system?

A. vmd

B. virtuald

C. libvirtmgr

D. libvirt-worker

E. libvirtd

Correct Answer: E

QUESTION 13

Which of the following statements are true regarding VirtualBox?

A. It supports only Linux as a guest operating system.

B. It is available for Linux only.

C. It provides both a graphical user interface and command line tools to administer virtual machines.

D. It requires dedicated shared storage as it cannot store virtual machine disk images locally on block devices of the virtualization host.

E. It is a special kernel booted before the first regular operating system.

Correct Answer: C

QUESTION 14

Which of the following commands boots a KVM virtual machine using Debian GNU/Linux?

- A. `qemu -create -drive file=debian.img -cdrom debian.iso -m 1024 -boot d`
- B. `qemu-kvm -drive file=debian.img -cdrom debian.iso -m 1024 -boot d`
- C. `kvm -create -drive file=debian.img -cdrom debian.iso -m 1024 -boot d`
- D. `kvm -qemu -drive file=debian.img -cdrom debian.iso -m 1024 -boot d`

Correct Answer: B

QUESTION 15

Which of the following products use container-based virtualization? (Choose THREE correct answers.)

- A. KVM
- B. Linux VServer
- C. LXC
- D. OpenVZ
- E. Xen

Correct Answer: BCD

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