

➤ **Vendor: LPI**

➤ **Exam Code: 304-200**

➤ **Exam Name: LPIC-3 Exam 304: Virtualization**

➤ **Question 41 -- Question 60**

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QUESTION 41

Which of the following resources are directly (i.e. without specialized machine images) available to users of an OpenStack cloud? (Choose THREE correct answers.)

- A. Database servers to store relational data.
- B. Virtual machines for computing tasks.
- C. Application servers for immediate deployment with Mono applications.
- D. Object storage that is accessed through an API.
- E. Block storage devices for persistent data storage.

Answer: BDE

QUESTION 42

Which of the following statements is true regarding XenStore?

- A. It is a web interface used to provide self-service domain provisioning to users with sufficient privileges.
- B. It saves the persistent configuration of all defined Xen domains and restores them when the host system is started.
- C. It manages disk file images on behalf of all virtual machines and provides them as virtual devices to guest domains.
- D. It stores run time information regarding Xen and its domains using hierarchical namespaces shared between domains.
- E. It is a software repository located within the host system used to provide software packages to the guest domains.

Answer: D

QUESTION 43

Which of the following types of guest systems does Xen support? (Choose TWO correct answers.)

- A. Paravirtualized guests (PV)
- B. Foreign architecture guests (FA)

- C. Fully virtualized guests (HVM)
- D. Container virtualized guests (CVM)
- E. Emulated guests (EMU)

Answer: AC

QUESTION 44

What is XAPI?

- A. An extension of libvirt which adds live migration of virtual servers between arbitrary hypervisors.
- B. A ReSTful API which is used by xl to communicate with the Xen hypervisor.
- C. The communication interface between a paravirtualized Linux Kernel and the Xen hypervisor.
- D. A high level tool chain which provides advanced management tools and interfaces for Xen.
- E. The internal messaging system within the Xen hypervisor.

Answer: D

QUESTION 45

Which value must be set in the option builder in the configuration file of a Xen guest domain in order to create a fully virtualized machine instead of a paravirtualized one? (Specify ONLY the value without any option name, quotes or operators.)

Answer: 'hvm', "hvm";, hvm

QUESTION 46

Which of the following commands provides a detailed list of all image files contained in the libvirt storage pool vol1?

- A. virsh list --volumes --pool vol1 --details
- B. virsh vol-details vol1
- C. virsh --show-pool vol1 --details
- D. virsh vol-list vol1 --details
- E. virsh volumes --source vol1 --details

Answer: D

QUESTION 47

When migrating a physical machine to a full virtualized machine, which of the following properties should be expected to change from the perspective of the guest operating system? (Choose TWO correct answers.)

- A. The user accounts within the guest operating system.
- B. The properties of the CPU and other hardware devices.
- C. The MAC address of the network interfaces.
- D. The version of the guest operating system.
- E. The software and applications installed on the guest system.

Answer: BC

QUESTION 48

Which subcommand of virsh opens the XML configuration of a virtual network in an editor in order to make changes to that configuration? (Specify ONLY the subcommand without any parameters.)

Answer: virsh net-edit, net-edit

QUESTION 49

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.

Answer: C

QUESTION 50

In the command:

```
vzctl ____ 105 /usr/bin/apt-get install wget
```

Which subcommand of vzctl is missing in order to install wget in the OpenVZ container 105?

Answer: exec, exec2

QUESTION 51

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

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

Answer: D

QUESTION 52

When KVM is launched with the parameter -boot order=n, which of the following devices will be searched for a bootable operating system?

- A. All floppy, CDROM, and hard disk drives in that order.
- B. No devices are searched and the user is prompted to choose the boot device.
- C. All network interfaces attached to the VM.
- D. All hard disks and no other devices.
- E. No devices are searched in order to support directly booting a Linux kernel.

Answer: C

QUESTION 53

Which of the following statements are true regarding Xen domains? (Choose TWO correct answers.)

- A. Fully virtualized and paravirtualized domains are managed using the same tools and commands.
- B. Xen domains of all types require virtualization extensions in the host system's CPU.
- C. All fully virtualized domains are called 'Dom0' while all paravirtualized domains are called 'DomU'.

- D. Both paravirtualized and fully virtualized domains may run on the same host system.
- E. Paravirtualized domains are significantly slower than fully virtualized domains.

Answer: AD

QUESTION 54

Which of the following statements is true regarding the following output of xl list:

```
Name ID Mem VCPUs State Time(s)
Domain-0 0 384 1 r----- 498.7
Debian 2 305 1 --p--- 783.5
Slack 6 64 1 -b---- 313.6
CentOS 7 512 2 r----- 455.1
```

- A. It is necessary to use the xl command to change Slack's state to running.
- B. CentOS is the domain which has consumed the most CPU time.
- C. The domain with ID 2 uses paravirtualization.
- D. Both Debian and Slack require xl commands to start running.
- E. Slack is idle or waiting for I/O.

Answer: E

QUESTION 55

Which of the following statements is true regarding a failover cluster?

- A. The core component of every failover cluster is a load balancer.
- B. Every service may not be run more than once in a cluster.
- C. Failover clusters provide scalability of a service beyond the capacities of one cluster node.
- D. Failover clusters always require storage that is shared by all nodes.
- E. In normal operation, services may be spread over all nodes.

Answer: E

QUESTION 56

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?

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

Answer: E

QUESTION 57

Which one of the following options represents a valid declaration of a backend server with HAProxy?

- A. host server_x 10.1.0.1:80 cookie server_x
- B. backend server_x 10.1.0.1:80
- C. server server_x 10.1.0.1:80 check
- D. pool server_x 10.1.0.1:80

Answer: C

QUESTION 58

When using the gatewaying/direct routing forwarding method of Linux Virtual Server (LVS), which of the following statements is true?

- A. The default route of all backend servers must point to the LVS host.
- B. Every backend server must accept packets addressed to the IP address of the virtual service.
- C. On the backend servers, all packets appear to originate from the IP address of the LVS host.
- D. The link layer addresses of all backend servers must be included in the LVS configuration.
- E. When using gatewaying/direct routing, only the round robin algorithm is available.

Answer: B

QUESTION 59

Which of the following are Pacemaker components? (Choose TWO correct answers.)

- A. ccmd
- B. crmd
- C. fencer
- D. pengine
- E. keepalived

Answer: BD

QUESTION 60

Which of the following device classes are commonly used STONITH devices? (Choose THREE correct answers.)

- A. Uninterruptable Power Supplies, UPS
- B. CPU frequency management tools
- C. Blade Control Devices
- D. Remote Management Services like iLO or DRAC
- E. Local node storage

Answer: ACD

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