➢ **Vendor: LPI**

➢ **Exam Code: 304-200**

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

➢ **Question 21 -- Question 40**

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QUESTION 21
Which of the following statements are true regarding resource management for full virtualization?
(Choose TWO correct answers.)

A. The hypervisor may provide fine-grained limits to internal elements of the guest operating system such as the number of processes.
B. Full virtualization cannot pose any limits to virtual machines and always assigns the host system's resources in a first-come-first-serve manner.
C. It is up to the virtual machine to use its assigned hardware resources and create, for example, an arbitrary amount of network sockets.
D. The hypervisor provides each virtual machine with hardware of a defined capacity that limits the resources of the virtual machine.
E. All processes created within the virtual machines are transparently and equally scheduled in the host system for CPU and I/O usage.

Answer: CD

QUESTION 22
In keepalived, what keyword starts the configuration section for one of the failover servers?

A. lvs_server
B. virtual_server
C. vrrp_instance
D. vrrp_sync_group

Answer: B

QUESTION 23
Which configuration setting ultimately determines which server will be the MASTER with keepalived?

A. advert_int
B. state
C. type
D. priority

Answer: D

QUESTION 24
Which function is not supported in a GFS2 filesystem?

A. repair
B. grow
C. shrink
D. withdraw

Answer: C

QUESTION 25
When using the user mode network stack with qemu, TCP and UDP connections work fine but ping does not work. Why is this?

A. The Qemu user mode network stack does not implement ICMP.
B. The problem is caused by incorrect routing.
C. The Qemu user mode network stack blocks all ICMP traffic.
D. The Qemu user mode network stack requires explicit permission for ping to work.

Answer: A

QUESTION 26
Which of the following commands are needed to establish a private network between two (or more) KVM virtual machines that is not visible to other KVM instances on the same KVM host? (Choose THREE correct answers.)

A. ifconfig
B. brctl
C. tunctl
D. ipconfig
E. ebtables

Answer: ABC

QUESTION 27
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.

Answer: AD

QUESTION 28
Which command in the KVM monitor ejects the first IDE CDROM drive? (Specify the KVM monitor command INCLUDING ALL REQUIRED PARAMETERS.)

Answer: `eject ide1-cd0, eject -f ide1-cd0`

QUESTION 29
How can data in a computing instance in an IaaS cloud be permanently saved and accessed even after the recreation of the computing instance? (Choose TWO correct answers.)

A. By saving the data to the memory of the computing instance using tmpfs.
B. By saving the data anywhere in the computing instance's file system.
C. By saving the data to /cloud/persistent/ which is provided in all common IaaS clouds.
D. By saving the data to object stores provided by a separate service in the cloud.
E. By saving the data on persistent block devices that must be explicitly connected to the computing instance.

Answer: DE

QUESTION 30
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

Answer: ACE

QUESTION 31
Which command within virsh lists the virtual machines that are available on the current host?

A. view
B. show
C. list-vm
D. list
E. list-all

Answer: D

QUESTION 32
Which options to the xl command will deactivate a running Xen virtual machine? (Choose TWO correct answers.)

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

Answer: AC

QUESTION 33
Which of the following tools is used to interact with XenStore?

A. xenstore-ls
B. xendo
C. xs
D. xl store
E. xstore

Answer: A

QUESTION 34
What is oVirt?

A. An extension to the Linux Kernel used to provide container virtualization similar to LXC and OpenVZ.
B. A library that provides access to several different virtualization technologies in a common manner.
C. A comprehensive management infrastructure for Linux-based virtualization.
D. An approach used to eliminate the need for virtualization called Zero-Virt.
E. A Linux-based hypervisor similar to KVM and Xen.

Answer: C

QUESTION 35
Which of the following tasksare partsof a hypervisor's responsibility? (Choose TWO correct answers.)

A. Create filesystems during the installation of new VM guest operating systems.
B. Provide host-wide unique PIDs to the processes running inside the VMs in order to ease interprocess communication between virtual machines.
C. Map the resources of virtual machines to the resources of the host system.
D. Ensure isolation and eliminate any interference between virtual machines.
E. Manage authentication to network services running inside a virtual machine.

Answer: CD

QUESTION 36
What is the name of the global configuration file for the xl tool stack? (Specify the file name only without any path.)

Answer: `/etc/xen/xl.conf, xl.conf`

QUESTION 37
Which of the following directives is used in the configuration file of a Xen guest domain in order to define network interfaces?

A. vif
B. eth
C. vnet
D. vbr
E. net

Answer: A

QUESTION 38
Which of the following statements is true regarding networking with libvirt?

A. Libvirt's network functionality is limited to connecting virtual machines to a physical network interface of the host system.
B. Libvirt networks appear, by default, as standard Linux bridges in the host system.
C. Libvirt assigns the same MAC address to all virtual machines and isolates their network interfaces at the link layer.
D. Libvirt requires a dedicated network interface that may not be used by the host system.
E. Libvirt supports exactly one virtual network and connects all virtual machines to it.

Answer: B

QUESTION 39
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

Answer: E

QUESTION 40
Which file format is used by libvirt to store configuration data?

A. INI-style text files
B. Text files containing key/value pairs
C. Java-like .properties files
D. XML files
E. SQLite databases

Answer: D

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