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**Vendor:**Lpi

**Exam Code:**304-200

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

**Version:**Demo

### QUESTION 1

Which of the following are tools or services that manage a Linux Virtual Server (LVS) setup? (Choose TWO correct answers.)

- A. keepalived
- B. ldirectord
- C. lvsproxy
- D. roundrobind E. vserverd

Correct Answer: AB

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### QUESTION 2

In order to determine if a virtualization host offers Intel VT-x support, which CPU flag must be searched for in the file `/proc/cpuinfo`? (Specify the name of the CPU flag as it is mentioned in the given file only without any additional information.)

- A. vmx -or- VMX

Correct Answer: A

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### QUESTION 3

Which of the following statements are true regarding the Red Hat Enterprise Linux High Availability Add-On? (Choose TWO correct answers.)

- A. It offers support for load balanced clusters only and cannot manage failover clusters.
- B. It does not include any storage components.
- C. It can be managed using the regular Pacemaker commands like `pcs`.
- D. It uses its own messaging subsystem, RHMq, for cluster communication.
- E. It is built on top of several high availability components that are also available in other Linux distributions.

Correct Answer: CE

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### QUESTION 4

Which of the following tasks are parts of 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.

Correct Answer: CD

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#### QUESTION 5

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

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#### QUESTION 6

While setting up a load-balanced HTTP service, Linux Virtual Server was configured with the commands:

```
ipvsadm -A -t 198.51.100.2:80 -s rr ipvsadm -a -t 198.51.100.2:80 -r 192.168.10.1:80 -m ipvsadm -a -t 198.51.100.2:80 -r 192.168.10.2:80 -m
```

and all backend servers are using the LVS host as the default router. Which additional command has to be issued on the LVS host in order to correctly handle incoming HTTP traffic?

- A. `echo "1" > /proc/sys/net/ipv4/ip_forward`
- B. `iptables -t nat -Z`
- C. `ipvsadmin -L -n`
- D. `ipmasq -A 192.168.10.1 -A 192.168.10.2 -p tcp --dport www -j DEMASQ`
- E. `netstat -r`

Correct Answer: A

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#### QUESTION 7

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

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

Correct Answer: D

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### QUESTION 8

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

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### QUESTION 9

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

Correct Answer: D

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### QUESTION 10

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

Correct Answer: AC

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#### QUESTION 11

When setting up a KVM virtualization host, which one of the following components is NOT required?

- A. libvirt
- B. kvm kernel modules
- C. bridgeutils
- D. virsh
- E. qemu

Correct Answer: D

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#### QUESTION 12

What is true for a virtual IP address in the context of keepalived? (Choose TWO correct answers.)

- A. The distinct IP addresses of all backend servers are called virtual IP addresses.
- B. Every server running keepalived has exactly one virtual IP address and cannot have any additional virtual IP addresses.
- C. The virtual IP address is the address to which incoming connections are made in order to reach the load balancer.
- D. keepalived uses VRRP to ensure the availability of the virtual IP address.
- E. Within the whole LVS cluster managed by keepalived, the virtual IP address never appears on any network interface.

Correct Answer: CD