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LPI Level 3 Exam 304

LPI 304-200

Version Demo

Total Demo Questions: 10

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Topic Break Down

Topic	No. of Questions
Topic 1, Virtualization	72
Topic 2, High Availability Cluster Management	36
Topic 3, High Availability Cluster Storage	21
Total	129

QUESTION NO: 1

Which of the following statements are true regarding hardware based virtualization? (Choose TWO correct answers.)

- A.** Hardware based virtualization requires special support in the host system's hardware which is present in all recent x86-based computers.
- B.** Hardware based virtualization implements a whole machine in software and therefore can run virtual machines of a given hardware platform on an arbitrary host system.
- C.** Hardware based virtualization relies on the host system's processor to call the hypervisor when critical instructions are executed by a virtual machine.
- D.** Hardware based virtualization is not available on x86-based CPU architectures and requires special virtualization host hardware.

ANSWER: A C

QUESTION NO: 2

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.

ANSWER: C E

QUESTION NO: 3

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.

ANSWER: A E

QUESTION NO: 4

Which one of the following tools can NOT be used to create virtual machines, including their configuration in a libvirt-based KVM environment?

- A. virt-clone
- B. virt-install
- C. virt-img
- D. virt-manager

ANSWER: C

QUESTION NO: 5

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.

ANSWER: C D

QUESTION NO: 6

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 NO: 7

What does IaaS stand for?

- A. Integration as a Service
- B. Intelligence as a Service
- C. Instances as a Service
- D. Infrastructure as a Service
- E. Information as a Service

ANSWER: D

QUESTION NO: 8

What is the task of the Cluster Logical Volume Manager, CLVM?

- A. It segments the cluster nodes into several logical groups that are always fenced together.
- B. It balances incoming TCP connections to a logical service to several backend nodes.
- C. It makes logical volumes on shared storage available to all cluster nodes.
- D. It allows several nodes to share file system locks in order to access the same files simultaneously.

ANSWER: C

QUESTION NO: 9

After the Xen guest configuration file `debian.cfg` has been created and successfully tested, which additional action must be performed in order to make this Xen guest start automatically every time the host system boots?

- A. It is necessary to add `xendomains_auto = yes` to the virtual machine configuration file.
- B. It is necessary to add an entry for `debian.cfg` to the file `/etc/xen/guesttab`.
- C. It is necessary to run the command `xl autostart debian.cfg`.

- D. It is necessary to add a symbolic link to the configuration file in the `/etc/xen/auto/` directory.
- E. It is not possible to use Xen and its tools to start virtual machines automatically.

ANSWER: D

QUESTION NO: 10

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: C D