LPI

Exam 304-150

LPI Level 3 Exam 304, Senior Level Linux Certification, Virtualization & High Availability

Version: 5.0

[Total Questions: 104]

Question No : 1

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

A. Hardware virtualization can run an unmodified Guest OS.
B. Hardware virtualization requires specially configured drivers for virtualized hardware.
C. Hardware virtualization does not use CPU emulation.
D. Hardware virtualization can take advantage of Intel VT and AMDV technologies.
E. Hardware virtualization is also referred to as containerbased virtualization.

Answer: A,C,D

Question No : 2

In Red Hat Cluster Suite, which one of the following commands shows the right syntax for fencing the node on port 3 using the APC rack PDU device which can be found at IP address 192.168.1.145?

A. apc_stonith a 192.168.1.145 l apc n 3 v o shutdown r now
B. fence_apc a 192.168.1.145 l apc p apc n 3 v o shutdown r now
C. fence_apc a 192.168.1.145 l apc p apc n 3 v o reboot
D. apc_stonith a 192.168.1.145 l apc p apc n 3 v o reboot

Answer: C

Question No : 3

With HAProxy, which one of the following ACLs can match requests made to the domain example.org?

A. acl acl_example hdr_sub(Host) example.org
B. acl acl_example url_domain example.org
C. acl acl_example hdr_sub(Domain) example.org
D. acl acl_example url_host example.org

Answer: A

Question No : 4

Which of the following are common uses of virtualization? (Select TWO correct answers)

A. Operating System virtualization
B. User virtualization
C. Identification virtualization
D. Authentication virtualization
E. Storage virtualization

Answer: A,E

Question No : 5

In heartbeat (versions 3 and post 2.1), what should the crm directive be set to?

A. on
B. no
C. respawn
D. pacemaker
E. off

Answer: C

Question No : 6

How is the AMDV extension made available in a KVM environment?

A. modprobe qemu_kvm
B. modprobe kvm_intel
C. modprobe kvm_amd
D. modprobe kvm_amd_v
E. modprobe kvm_any

Answer: C

Question No : 7

Which of the following are the primary components to Conga? (Select TWO correct answers)

A. luci
B. ipvsadm
C. cman
D. fenced
E. ricci

Answer: A,E

Question No : 8

What actions are permitted by a hypervisor? (Select THREE correct answers)

A. A hypervisor may install a Guest OS.
B. A hypervisor may perform privileged tasks on behalf of the Guest OS.
C. A hypervisor may shape traffic on the bridged network devices for the Guest OS.
D. A hypervisor may directly manipulate memory.
E. A hypervisor may execute privileged CPU instructions.

Answer: B,D,E

Question No : 9 CORRECT TEXT

In order to specify that a Xen virtual machine should start at boot time, under which directory must the VM's configuration file (or a link to it) be placed? (Please specify the directory name with or without the full default path) Your Response

Answer: /etc/xen/auto auto

Question No : 10

Which one of the following is NOT the name of a tool that can be used to manage virtual machines in a KVM environment?

A. virtviewer

B. virtclone
C. virtinstall
D. virtimg
E. virtmanager

Answer: D

Question No : 11

Which one of the following commands will install an EZ Template for OpenVZ?

A. vzpkg p template
B. vzpkg install template
C. vzinstall template
D. vzctl p template
E. vzctl install template

Answer: B

Question No : 12

Which one of the following statements about STONITH is NOT true?

A. You can use hardware devices such as HP ILO or Dell DRAC management boards for STONITH.
B. Resources will migrate only after a STONITH operation has been issued successfully.
C. It is recommended to use STONITH to increase the integrity of the cluster.
D. Null STONITH is a good solution if you have guaranteed the integrity of the file systems used in your cluster in another way.
E. When setting up SSHSTONITH, you should use a dedicated communications link for the STONITH traffic in the cluster.

Answer: E

Question No : 13

Which command in virsh will list the virtual machines that are available on the current host?

A. virsh # view
B. virsh # show
C. virsh # listvm
D. virsh # list
E. virsh # listall

Answer: D

Question No : 14

Which one of the following statements is true about the live migration feature of Xen?

A. It requires that the source and destination hosts have access, with same rights, to the device that exports the virtual machine file system.
B. It is used to migrate the file system of virtual machines between two hosts on the same network segment, ensuring data integrity during the migration process.
C. It is recommended that the virtual machines be restarted after migration to ensure that network settings will be updated.
D. It requires that the virtual machines are turned off to ensure that data stored in the RAM of the virtual machine will not be lost during the migration.
E. It is used to convert physical servers into virtual machines without having to stop the physical servers.

Answer: A

Question No : 15

An administrator needs to shutdown a Xen virtual machine immediately, otherwise, the virtual machine risks corrupting the file system. Which of the following methods could be used for an immediate shutdown?

A. Use xm shutdown <vmname> force
B. Use xm destroy <vmname>
C. Use xm poweroff <vmname>
D. Shut down the xend process
E. Use xm stop <vmname>

Answer: B

Question No : 16

With Red Hat Cluster Suite, which one of the following is NOT a valid resource to be used by high availability services?

A. Authentication
B. IP Addresses
C. NFS Mounts and Exports
D. File Systems

Answer: A

Question No : 17

Which solution is needed to make several servers in a network appear as one server?

A. pacemaker
B. heartbeat
C. drbd
D. lvs
E. clvm

Answer: D

Question No : 18

Which one of the following is NOT a required element in setting up GFS in a Red Hat Cluster environment?

A. CLVM
B. DLM
C. CMAN
D. GFS
E. CCS

Answer: A

Question No : 19