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QUESTION 1

A user creates and installs a Linux VM on a local workstation. The VM can only connect to the local workstation. Which of the following BEST represents the default virtual network configuration in this instance?

- A. Host-only
- B. Bridged
- C. NAT
- D. Dual-homed

Correct Answer: A

QUESTION 2

Which of the following is the purpose of the monitoring server role?

- A. To aggregate web traffic to watch which websites employees are visiting
- B. To collect status and performance information about the servers in an environment
- C. To provide user authentication services to a network
- D. To provide real-time analysis of potential threats to the organization

Correct Answer: B

QUESTION 3

A systems administrator has finished building a new feature for the monitoring software in a separate Git branch. Which of the following is the BEST method for adding the new feature to the software's master branch?

- A. Merge the changes from the feature branch to the master branch.
- B. Save the changes to the master branch automatically with each Git commit.
- C. Clone the feature branch into the master branch.
- D. Pull the changes from the feature branch into the master branch.

Correct Answer: A

Reference: <https://git-scm.com/book/en/v2/Git-Branching-Basic-Branching-and-Merging>

QUESTION 4

Which of the following files would a junior systems administrator check to verify DNS server settings?



- A. /etc/network
- B. /etc/resolv.conf
- C. /etc/nsswitch.conf
- D. /etc/hosts

Correct Answer: B

Reference: <https://www.tecmint.com/find-my-dns-server-ip-address-in-linux/>

QUESTION 5

Which of the following is modified to reconfigure the boot environment?

- A. grub-mkconfig
- B. grub.cfg
- C. update-grub
- D. grub2-mkconfig

Correct Answer: B

QUESTION 6

A Linux administrator needs to switch from text mode to GUI. Which of the following runlevels will start the GUI by default?

- A. Runlevel 3
- B. Runlevel 4
- C. Runlevel 5
- D. Runlevel 6

Correct Answer: C

Reference: http://www.linfo.org/runlevel_def.html

QUESTION 7

An administrator needs to deploy 100 identical CentOS workstations via PXE boot. Which of the following should the administrator use to minimize the amount of interaction with the consoles needed?

- A. Kickstart script
- B. Ghost image on a distribution server



- C. Hard disk duplicator
- D. Hard disk duplicator
- E. Ubiquity script

Correct Answer: A

QUESTION 8

Due to security policies, a restriction was implemented that forbids direct access to the database server. The junior administrator needs to connect using SSH tunneling. Which of the following commands allows the junior administrator to connect from a desktop?

- A. `ssh -L dbserver.local:5432:localhost:95432 postgres@dbserver.local`
- B. `ssh -L 5432:localhost dbserver.local:5432 postgres`
- C. `ssh -L 95432:localhost postgres@dbserver.local`
- D. `ssh -L 9432:localhost:5432 postgres@dbserver.local`

Correct Answer: D

QUESTION 9

Which of the following configuration management tools is considered agentless?

- A. Puppet
- B. Salt
- C. Ansible
- D. Chef

Correct Answer: C

Reference: <https://www.intigua.com/blog/puppet-vs.-chef-vs.-ansible-vs.-saltstack>

QUESTION 10

Which of the following BEST describes the difference between a container and a VM?

- A. Containers share host OS libraries and a kernel, while VMs have their own libraries and kernel.
- B. Containers are larger than VMs.
- C. VMs share host libraries and a kernel, while containers have their own libraries and kernel.
- D. VMs are larger than containers.



Correct Answer: A

QUESTION 11

An administrator notices a directory on a web server named `/var/www/html/old_reports` that should no longer be accessible on the web. Which of the following commands will accomplish this task?

- A. `chmod 000 /var/www/html/old_reports`
- B. `chgrp root /var/www/html/old_reports`
- C. `chown apache /var/www/html/old_reports`
- D. `setenforce apache /var/www/html/old_reports`

Correct Answer: D

QUESTION 12

Users in the payroll department are not configured to use DNS due to security concerns. The users ask the junior Linux administrator to configure their workstations to access the payroll server at `192.168.204.11` by the name "Payroll". Which of the following commands should the administrator issue to meet this request?

- A. `echo "nameserver 192.168.204.11 #Payroll" >> /etc/resolv.conf`
- B. `echo "net.ipv4.ip_dynaddr=192.168.204.11 Payroll" >> /etc/sysctl.conf`
- C. `echo "192.168.204.11 Payroll" >> /etc/hosts`
- D. `echo `IPADDR="192.168.204.11" #Payroll` >> /etc/network/interface`

Correct Answer: C

QUESTION 13

Which of the following boot methods can a Linux administrator use to boot a Linux server remotely via a network interface card instead of a local disk?

- A. NTP
- B. PXE
- C. NFS
- D. Kickstart

Correct Answer: B

Reference: https://en.wikipedia.org/wiki/Diskless_Remote_Boot_in_Linux



QUESTION 14

A systems administrator needs to allow the Linux server to receive HTTP connections from Internet hosts. By default, the port for HTTP connections is blocked. Which of the following rules should be added in the firewall to allow this type of connection?

- A. `firewall-cmd --zone=public --add-port=443/tcp --permanent`
- B. `firewall-cmd --zone=internal --add-port=80/tcp --permanent`
- C. `firewall-cmd --zone=public --add-port=80/tcp --permanent`
- D. `firewall-cmd --zone=internal --add-port=443/tcp --permanent`

Correct Answer: C

QUESTION 15

Two specific users need access to a directory owned by root where backups are located. Which of the following commands would BEST ensure the specified users can access the backup files?

- A. `umask`
- B. `chcon`
- C. `chmod`
- D. `setfacl`

Correct Answer: D

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