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A Linux administrator needs to create and then connect to the app-01-image container. Which of the following commands accomplishes this task?

- A. `docker run -it app-01-image`
- B. `docker start -td app-01-image`
- C. `docker build -ic app-01-image`
- D. `docker exec -dc app-01-image`

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

To perform a live migration, which of the following must match on both host servers? (Choose two).

- A. USB ports
- B. Network speed
- C. Available swap
- D. CPU architecture
- E. Available memory
- F. Disk storage path

Suggested Answer: *DF*

Currently there are no comments in this discussion, be the first to comment!

A Linux systems administrator needs to extract the contents of a file named /home/dev/web.bkp to the /var/www/html/ directory. Which of the following commands should the administrator use?

- A. `cd /var/www/html/ && gzip -c /home/dev/web.bkp | tar xf -`
- B. `pushd /var/www/html/ $$ cpio -idv < /home/dev/web.bkp && popd`
- C. `tar -c -f /home/dev/web.bkp /var/www/html/`
- D. `unzip -c /home/dev/web.bkp /var/www/html/`

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Which of the following Ansible components contains a list of hosts and host groups?

- A. Fact
- B. Inventory
- C. Playbook
- D. Collection

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Which of the following filesystems contains non-persistent or volatile data?

- A. /boot
- B. /usr
- C. /proc
- D. /var

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

An administrator needs to verify the user ID, home directory, and assigned shell for the user named "accounting." Which of the following commands should the administrator use to retrieve this information?

- A. `getent passwd accounting`
- B. `id accounting`
- C. `grep accounting /etc/shadow`
- D. `who accounting`

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

A Linux user needs to download the latest Debian image from a Docker repository. Which of the following commands makes this task possible?

- A. docker image init debian
- B. docker image pull Debian
- C. docker image import debian
- D. docker image save debian

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

In the echo "profile-\$num-\$name" line of a shell script, the variable \$num seems to not be expanding during execution. Which of the following notations ensures the value is expanded?

- A. echo "profile-\$(num)-\$name"
- B. echo 'profile-\$num-\$name'
- C. echo "profile-`\$num`-\$name"
- D. echo "profile-\${num}-\$name"

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

A systems administrator wants to review the logs from an Apache 2 error.log file in real time and save the information to another file for later review. Which of the following commands should the administrator use?

- A. `tail -f /var/log/apache2/error.log > logfile.txt`
- B. `tail -f /var/log/apache2/error.log | logfile.txt`
- C. `tail -f /var/log/apache2/error.log >> logfile.txt`
- D. `tail -f /var/log/apache2/error.log | tee logfile.txt`

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

Which of the following describes the method of consolidating system events to a single location?

- A. Log aggregation
- B. Health checks
- C. Webhooks
- D. Threshold monitoring

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

A systems administrator wants to prevent the current contents of a file from being overwritten and wants to allow new additions at the end of the file. Which of the following commands should the administrator use?

- A. `setenforce file`
- B. `setfacl -m m::t file`
- C. `chattr +a file`
- D. `chmod +t file`

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

A systems administrator is configuring new Linux systems and needs to enable passwordless authentication between two of the servers. Which of the following commands should the administrator use?

- A. `ssh-keygen -t rsa $$ ssh-copy-id -i ~/.ssh/id_rsa.pub john@server2`
- B. `ssh-keyscan -t rsa $$ ssh-copy-id john@server2 -i ~/.ssh/key`
- C. `ssh-agent -i rsa $$ ssh-copy-id ~/.ssh/key john@server2`
- D. `ssh-add -t rsa $$ scp -rp ~/.ssh john@server2`

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

An administrator updates the network configuration on a server but wants to ensure the change will not cause an outage if something goes wrong. Which of the following commands allows the administrator to accomplish this goal?

- A. netplan try
- B. netplan rebind
- C. netplan ip
- D. netplan apply

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Which of the following best describes journald?

- A. A system service that collects and stores logging data
- B. A feature that creates crash dumps in case of kernel failure
- C. A service responsible for keeping the filesystem journal
- D. A service responsible for writing audit records to a disk

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

A Linux administrator wants to add a user to the Docker group without changing their primary group. Which of the following commands should the administrator use to complete this task?

- A. `sudo groupmod docker user`
- B. `sudo usermod -g docker user`
- C. `sudo usermod -aG docker user`
- D. `sudo groupmod -G docker user`

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

Which of the following is a characteristic of Python 3?

- A. It is closed source.
- B. It is extensible through modules.
- C. It is fully backwards compatible.
- D. It is binary compatible with Java.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

A systems administrator manages multiple Linux servers and needs to set up a reliable and secure way to handle the complexity of managing event records on the OS and application levels. Which of the following should the administrator do?

- A. Create an automated process to retrieve logs from the server by demand.
- B. Implement a centralized log aggregation solution.
- C. Configure daily automatic backups of logs to remote storage.
- D. Deploy log rotation procedures to manage the records.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Which of the following best describes the role of initrd?

- A. It is required to connect to the system via SSH.
- B. It contains basic kernel modules and drivers required to start the system.
- C. It contains trusted certificates and secret keys of the system.
- D. It is required to initialize a random device within a Linux system.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

A Linux systems administrator is running an important maintenance task that consumes a large amount of CPU, causing other applications to slow. Which of the following actions should the administrator take to help alleviate the issue?

- A. Increase the available CPU time with `pidstat`.
- B. Lower the priority of the maintenance task with `renice`.
- C. Run the maintenance task with `nohup`.
- D. Execute the other applications with the `bg` utility.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Which of the following is a protocol for accessing distributed directory services containing a hierarchy of users, groups, machines, and organization units?

- A. SMB
- B. TLS
- C. LDAP
- D. KRB-5

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

A Linux administrator needs to securely erase the contents of a hard disk. Which of the following commands is the best for this task?

- A. `sudo rm -rf /dev/sda1`
- B. `sudo shred /dev/sda1`
- C. `sudo parted rm /dev/sda1`
- D. `sudo dd if=/dev/null of=/dev/sda1`

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Which of the following utilities supports the automation of security compliance and vulnerability management?

- A. SELinux
- B. Nmap
- C. AIDE
- D. OpenSCAP

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

Which of the following commands should an administrator use to see a full hardware inventory of a Linux system?

- A. dmidecode
- B. lsmod
- C. dmesg
- D. lscpu

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

A Linux administrator needs to analyze a compromised disk for traces of malware. To complete the analysis, the administrator wants to make an exact, block-level copy of the disk. Which of the following commands accomplishes this task?

- A. `cp -rp /dev/sdc/* /tmp/image`
- B. `cpio -i /dev/sdc -ov /tmp/image`
- C. `tar cvzf /tmp/image /dev/sdc`
- D. `dd if=/dev/sdc of=/tmp/image bs=8192`

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

A systems administrator needs to set the IP address of a new DNS server. Which of the following files should the administrator modify to complete this task?

- A. /etc/whois.conf
- B. /etc/resolv.conf
- C. /etc/nsswitch.conf
- D. /etc/dnsmasq.conf

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Following the completion of monthly server patching, a Linux administrator receives reports that a critical application is not functioning. Which of the following commands should help the administrator determine which packages were installed?

- A. dnf history
- B. dnf list
- C. dnf info
- D. dnf search

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

A Linux administrator wants to make the `ENABLE_AUTH` variable set to 1 and available to the environment of subsequently executed commands. Which of the following should the administrator use for this task?

- A. `let ENABLE_AUTH=1`
- B. `ENABLE_AUTH=1`
- C. `ENABLE_AUTH=$(echo $ENABLE_AUTH)`
- D. `export ENABLE_AUTH=1`

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!