

## Lpi.305-300.v2024-01-09.q28

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### NEW QUESTION: 1

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What LXC command lists containers sorted by their CPU, block I/O or memory consumption?  
(Specify ONLY the command without any path or parameters.)

**Answer:**

lxc-top

### NEW QUESTION: 2

Which directory is used by cloud-init to store status information and configuration information retrieved from external sources?

- A. /opt/cloud/var/
- B. /proc/sys/cloud/
- C. /etc/cloud-init/cache/
- D. /var/lib/cloud/
- E. /tmp/.cloud/

**Answer:** ([SHOW ANSWER](#))

### NEW QUESTION: 3

What does IaaS stand for?

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

**Answer:** C ([LEAVE A REPLY](#))

### NEW QUESTION: 4

What is the purpose of a .dockerignore file?

- A.** It must be placed in the top level directory of volumes that Docker should never attach automatically to a container
- B.** It lists files existing in a Docker image which should be excluded when building a derivative image.
- C.** It exists in the root file system of containers that should ignore volumes and ports provided by Docker.
- D.** It specifies which parts of a Dockerfile should be ignored when building a Docker image.
- E.** It specifies files that Docker does not submit to the Docker daemon when building a Docker image

**Answer:** ([SHOW ANSWER](#))

### NEW QUESTION: 5

What is the purpose of the kubelet service in Kubernetes?

- A.** Manage permissions of users when interacting with the Kubernetes API.
- B.** Provide a command line interface to manage Kubernetes.
- C.** Store and replicate Kubernetes configuration data.
- D.** Build a container image as specified in a Dockerfile.
- E.** Run containers on the worker nodes according to the Kubernetes configuration.

**Answer:** **E** ([LEAVE A REPLY](#))

### NEW QUESTION: 6

FILL BLANK

Which subcommand of `ovs-vsctl` opens the XML configuration of a virtual network in an editor in order to make changes to that configuration? (Specify ONLY the subcommand without any parameters.)

**Answer:**

net-edit

### NEW QUESTION: 7

What happens when the following command is executed twice in succession?

```
docker run -tid -v data:/data debian bash
```

- A.** Both containers share the contents of the data volume, have full permissions to alter its content and mutually see their respective changes.
- B.** The original content of the container image data is available in both containers, although changes stay local within each container.
- C.** The container resulting from the second invocation can only read the content of /data/ and cannot change it.
- D.** Each container is equipped with its own independent data volume, available at /data/ in the respective container.

E. The second command invocation fails with an error stating that the volume data is already associated with a running container.

**Answer: A (LEAVE A REPLY)**

### NEW QUESTION: 8

What is the purpose of cloud-init?

- A. Replace common Linux init systems, such as systemd or SysV init.
- B. Standardize the configuration of infrastructure services, such as load balancers or virtual firewalls in a cloud.
- C. Prepare the generic image of an IaaS instance to fit a specific instance's configuration.
- D. Orchestrate the creation and start of multiple related IaaS instances.
- E. Assign an IaaS instance to a specific computing node within a cloud.

**Answer: C (LEAVE A REPLY)**

### NEW QUESTION: 9

Which of the following statements is true regarding the following output of xl list:

Name	ID	Mem	VCPUs	State	Time (s)
Domain-0	0	1024	1	r-----	498.7
Debian	2	1024	1	--p---	783.5
Ubuntu	6	1024	1	-b----	313.6
CentOS	7	2048	2	r-----	455.1

- A. Both Debian and Ubuntu require xl commands to start running.
- B. Ubuntu is idle or waiting for I/O.
- C. CentOS is the domain which has consumed the most CPU time.
- D. It is necessary to use the xl command to change Ubuntu's state to running.
- E. The domain with ID 2 uses Para virtualization.

**Answer: B (LEAVE A REPLY)**

### NEW QUESTION: 10

A clone of a previously used virtual machine should be created. All VM specific information, such as user accounts, shell histories and SSH host keys should be removed from the cloned disk image. Which of the following tools can perform these tasks?

- A. virt-sparsi
- B. sysprep
- C. virt-rescue
- D. virc-reset
- E. vire-wipe
- F. virt-svspre

**Answer: F ([LEAVE A REPLY](#))**

**NEW QUESTION: 11**

Which of the following commands boots a QEMU virtual machine using hardware virtualization extensions?

- A. `qemu -accel kvm -drive file=debian.img -cdrom debian.iso -m 1024 -boot d`
- B. `qvirt -create -drive file=debian.img -cdrom debian.iso -m 1024 -boot d -driver hvm`
- C. `qvm start -vmx -drive file=debian.img -cdrom debian.iso -m 1024 -boot d`
- D. `qemu-hw -create -drive file=debian.img -cdrom debian.iso -m 1024 -boot d`
- E. `vm -kvm -drive file=debian.img -cdrom debian.iso -m 1024 -boot d`

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 12**

Which of the following statements in a Dockerfile leads to a container which outputs hello world? (Choose two.)

- A. `ENTRYPOINT "echo", "Hello", "World"`
- B. `ENTRYPOINT [ "echo hello world" ]`
- C. `ENTRYPOINT echo Hello World`
- D. `ENTRYPOINT "echo Hello World"`
- E. `ENTRYPOINT [ "echo", "hello", "world" ]`

**Answer: B,E ([LEAVE A REPLY](#))**

**NEW QUESTION: 13**

Which of the following devices exist by default in an LXC container? (Choose three.)

- A. `/dev/log`
- B. `/dev/kmem`
- C. `/dev/urandom`
- D. `/dev/console`
- E. `/dev/root`

**Answer: A,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 14**

Which of the following commands deletes all volumes which are not associated with a container?

- A. `docker volume orphan -d`
- B. `docker volume cleanup`
- C. `docker volume vacuum`
- D. `docker volume prune`
- E. `docker volume garbage-collect`

**Answer: D ([LEAVE A REPLY](#))**

**NEW QUESTION: 15**

Which CPU flag indicates the hardware virtualization capability on an AMD CPU?

- A. VIRT
- B. VMX
- C. SVM
- D. PVM
- E. HVM

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 16**

Virtualization of which hardware component is facilitated by CPUs supporting nested page table extensions, such as Intel Extended Page Table (EPT) or AMD Rapid Virtualization Indexing (RVI)?

- A. Hard Disks
- B. Network Interfaces
- C. Memory
- D. Host Bus Adapters
- E. IO Cache

Answer: C ([LEAVE A REPLY](#))

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**NEW QUESTION: 17**

How can data be shared between several virtual machines running on the same Linux-based host system?

- A. By writing data to the file system since all virtual machines on the same host system use the same file system.
- B. By mounting other virtual machines' file systems from /dev/virt-disks/remote/.
- C. By attaching the same virtual hard disk to all virtual machines and activating EXT4 sharing extensions on it.
- D. By setting up a ramdisk in one virtual machine and mounting it using its UUID in the other VMs.
- E. By using a network file system or file transfer protocol.

Answer: E ([LEAVE A REPLY](#))

**NEW QUESTION: 18**

Which of the following statements are true about container-based virtualization? (Choose two.)

- A. All containers run within the operating system kernel of the host system.
- B. Different containers may use different distributions of the same operating system.
- C. Container-based virtualization relies on hardware support from the host system's CPU.
- D. Linux does not support container-based virtualization because of missing kernel APIs.
- E. Each container runs its own operating system kernel.

**Answer: A,B** ([LEAVE A REPLY](#))

**NEW QUESTION: 19**

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What command is used to run a process in a new Linux namespace? (Specify ONLY the command without any path or parameters.)

**Answer:**

unshare

**NEW QUESTION: 20**

In an IaaS cloud, what is a common method for provisioning new computing instances with an operating system and software?

- A. Each new instance contains a minimal live system running from a virtual CD as the basis from which the administrator deploys the target operating system.
- B. Each new instance is a clone of another currently running instance that includes all the software, data and state of the original instance.
- C. Each new instance is connected via a VPN with the computer that started the provisioning and tries to PXE boot from that machine.
- D. Each new instance is connected to the installation media of a Linux distribution and provides access to the installer by logging in via SSH.
- E. Each new instance is created based on an image file that contains the operating system as well as software and default configuration for a given purpose.

**Answer: (**[SHOW ANSWER](#)**)**

**NEW QUESTION: 21**

If a Dockerfile contains the following lines:

```
WORKDIR /
```

```
RUN cd /tmp
```

```
RUN echo test > test
```

where is the file test located?

- A. /tmp/test within the container image.
- B. /tmp/test on the system running docker build.
- C. /test within the container image.
- D. test in the directory holding the Dockerfile.

E. /root/tesc within the container image.

**Answer: C** ([LEAVE A REPLY](#))

#### **NEW QUESTION: 22**

Which of the following commands lists all differences between the disk images vm1-snap.img and vm1.img?

- A. virt-diff -a vm1-snap.img -A vm1.img
- B. virt-cmp -a vm1-snap.img -A vm1.img
- C. virt-history -a vm1-snap.img -A vm1.img
- D. virt-cp-in -a vm1-snap.img -A vm1.img
- E. virt-delta -a vm1-snap.img -A vm1.img

**Answer: (**[SHOW ANSWER](#)**)**

#### **NEW QUESTION: 23**

Which of the following tasks are part of a hypervisor's responsibility? (Choose two.)

- A. Provide host-wide unique PIDs to the processes running inside the virtual machines in order to ease inter-process communication between virtual machines.
- B. Map the resources of virtual machines to the resources of the host system.
- C. Create filesystems during the installation of new virtual machine guest operating systems.
- D. Isolate the virtual machines and prevent unauthorized access to resources of other virtual machines.
- E. Manage authentication to network services running inside a virtual machine.

**Answer: B,D** ([LEAVE A REPLY](#))

#### **NEW QUESTION: 24**

What is the purpose of capabilities in the context of container virtualization?

- A. Prevent processes from performing actions which might infringe the container.
- B. Allow regular users to start containers with elevated permissions.
- C. Map potentially dangerous system calls to an emulation layer provided by the container virtualization.
- D. Restrict the disk space a container can consume.
- E. Enable memory deduplication to cache files which exist in multiple containers.

**Answer: (**[SHOW ANSWER](#)**)**

#### **NEW QUESTION: 25**

What is the default provider of Vagrant?

- A. vmware\_workstation
- B. docker
- C. virtualbox
- D. lxc
- E. hyperv

**Answer: C** ([LEAVE A REPLY](#))

**NEW QUESTION: 26**

If docker stack is to be used to run a Docker Compose file on a Docker Swarm, how are the images referenced in the Docker Compose configuration made available on the Swarm nodes?

- A. docker stack triggers the build process for the images on all nodes of the Swarm.
- B. docker stack transfers the image from its local Docker cache to each Swarm node.
- C. docker stack passes the images to the Swarm master which distributes the images to all other Swarm nodes.
- D. docker stack instructs the Swarm nodes to pull the images from a registry, although it does not upload the images to the registry.
- E. docker stack builds the images locally and copies them to only those Swarm nodes which run the service.

**Answer: D** ([LEAVE A REPLY](#))

**NEW QUESTION: 27**

After setting up a data container using the following command:

```
docker create -v /data --name datastore debian /bin/true
```

how is an additional new container started which shares the /data volume with the datastore container?

- A. `docker run --volumes-from datastore --name service debian bash`
- B. `docker run -v /data --name service debian bash`
- C. `docker run --share-with datastore --name service debian bash`
- D. `docker run -v datastore:/data --name service debian bash`
- E. `docker run --volume-backend datastore -v /data --name service debian bash`

**Answer: A** ([LEAVE A REPLY](#))

**NEW QUESTION: 28**

Which of the following types of guest systems does Xen support? (Choose two.)

- A. Paravirtualized guests (PVI)
- B. Emulated guests
- C. Fully virtualized guests
- D. Container virtualized guests
- E. Foreign architecture guests (FA)

**Answer: A,C** ([LEAVE A REPLY](#))

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