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Shared by Crawford on 29-01-2024

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Question 1

Question Type: MultipleChoice

The command `virsh vol-list vms` returns the following error:

error: failed to get pool 'vms'

error: Storage pool not found: no storage pool with matching name 'vms '

Given that the directory `/vms` exists, which of the following commands resolves this issue?

Options:

- A- `dd if=/dev/zero of=/vms bs=1 count=0 flags=name:vms`
- B- `libvirt-poolctl new ---name=/vms ---type=dir ---path=/vms`
- C- `qemu-img pool vms:/vms`
- D- `virsh pool-create-as vms dir --target /vms`
- E- `touch /vms/.libvirtpool`

Answer:

D

Question 2

Question Type: MultipleChoice

Which of the following statements about the command lxc-checkpoint is correct?

Options:

- A- It creates a clone of a container.
- B- It doubles the memory consumption of the container.
- C- It only works on stopped containers.
- D- It writes the status of the container to a file.
- E- It creates a container image based on an existing container.

Answer:

D

Question 3

Question Type: MultipleChoice

Which of the following are true regarding the CPU of a QEMU virtual machine? (Choose two.)

Options:

- A-** The CPU architecture of a QEMU virtual machine is independent of the host system's architecture.
- B-** Each QEMU virtual machine can only have one CPU with one core.
- C-** For each QEMU virtual machine, one dedicated physical CPU core must be reserved.
- D-** QEMU uses the concept of virtual CPUs to map the virtual machines to physical CPUs.
- E-** QEMU virtual machines support multiple virtual CPUs in order to run SMP systems.

Answer:

A, E

Question 4

Question Type: MultipleChoice

Which of the following statements is true regarding networking with libvirt?

Options:

- A- Libvirt's network functionality is limited to connecting virtual machines to a physical network interface of the host system.
- B- Libvirt assigns the same MAC address to all virtual machines and isolates their network interfaces at the link layer.
- C- Libvirt networks appear, by default, as standard Linux bridges in the host system.
- D- Libvirt requires a dedicated network interface that may not be used by the host system.
- E- Libvirt supports exactly one virtual network and connects all virtual machines to it.

Answer:

C

Question 5

Question Type: MultipleChoice

Which subcommand of virsh 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.)

Options:

A- netedit

Answer:

A

Question 6

Question Type: MultipleChoice

What kind of virtualization is implemented by LXC?

Options:

A- System containers

B- Application containers

C- Hardware containers

D- CPU emulation

E- Paravirtualization

Answer:

A

Question 7

Question Type: MultipleChoice

Which file in a cgroup directory contains the list of processes belonging to this cgroup?

Options:

A- pids

B- members

C- procs

D- casks

E- subjects

Answer:

C

Question 8

Question Type: MultipleChoice

What is the purpose of a .dockerignore file?

Options:

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

Answer:

B

Question 9

Question Type: MultipleChoice

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

Options:

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

Answer:

C

Question 10

Question Type: MultipleChoice

Which of the following values would be valid in the FROM statement in a Dockerfile?

Options:

- A- ubuntu:focal
- B- docker://ubuntu: focal
- C- registry:ubuntu:focal
- D- file:/tmp/ubuntu/Dockerfile
- E- http://docker.example.com/images/ubuntu-focal.iso

Answer:

A

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