

# LPI

305-300

*LPIC-3: Virtualization and Containerization - Exam 305, version 3.0*

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## Question: 1

What is the purpose of the command `vagrant init`?

- A. It executes a provisioning tool in a running box.
- B. It starts a Vagrant box.
- C. It creates a Vagrant configuration file.
- D. It installs Vagrant on a Linux host.
- E. It downloads a Vagrant box.

**Answer: C**

## Question: 2

In order to use the option `dom0_mem` to limit the amount of memory assigned to the Xen Domain-0, where must this option be specified?

- A. In the bootloader configuration, when Xen is booted.
- B. In any of Xen's global configuration files.
- C. In its `.config` file, when the Domain-0 kernel is built.
- D. In the configuration file `/etc/xen/Domain-0.cfg`, when Xen starts.
- E. In its Makefile, when Xen is built.

**Answer: A**

## Question: 3

Which functionality is provided by Vagrant as well as by Docker? (Choose three.)

- A. Both can share directories from the host file system to a guest.
- B. Both start system images as containers instead of virtual machines by default.
- C. Both can download required base images.
- D. Both can apply changes to a base image.
- E. Both start system images as virtual machines instead of containers by default.

**Answer: A, C, D**

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### Question: 4

What is the default provider of Vagrant?

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

**Answer: C**

### Question: 5

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

- A. Each new instance is connected to the installation media of a Linux distribution and provides access to the installer by logging in via SSH.
- B. 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.
- C. Each new instance is a clone of another currently running instance that includes all the software, data and state of the original instance.
- D. Each new instance is connected via a VPN with the computer that started the provisioning and tries to PXE boot from that machine.
- E. 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.

**Answer: B**

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