

305-300最新試験情報、305-300テスト問題集



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間違ったトピックは複雑で規則性がない傾向があり、305-300トレント準備は、ユーザーが間違っただけの質問のあらゆる論理的な構造を形成するのに役立ちます。誘導と照合、および305-300の調査問題は、次のステップに進み、間違っただけのトピックの詳細な分析を行い、ナレッジモジュールに存在するユーザーに、305-300試験問題のユーザーにどのように補うかを伝えます。自身の知識の抜け穴は、そのような間違いが二度と起こらないように、そのような質問に対処する方法を要約しています。

弊社は305-300問題集の英語版と日本語版をリリースしています。英語版と日本語版の内容は同じですが、言語だけ違いがあります。それなので、305-300に関する英語試験や日本語試験に参加する予定があるお客様は安心して問題集を購入できます。305-300試験のために、気楽に準備したり、参加したりしています。その他、我々の305-300日本語問題集を購入すると、英語版を送ります。

>> 305-300最新試験情報 <<

305-300テスト問題集 & 305-300関連復習問題集

It-PassportsのLpiの305-300試験トレーニング資料はほかのサイトでの資料よりもっと正確的で、もっと理解やすく、もっと権威性が高いです。It-Passportsを選ぶなら、きっと君に後悔させません。もし君はいささかな心配することがあるなら、あなたはうちの商品を購入する前に、It-Passportsは無料でサンプルを提供することができます。It-PassportsのLpiの305-300問題集を購入するなら、君がLpiの305-300認定試験に合格する率は100パーセントです。

Lpi LPIC-3 Exam 305: Virtualization and Containerization 認定 305-300 試験問題 (Q64-Q69):

質問 # 64

What is the purpose of a .dockerignore file?

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

正解: E

解説:

Explanation

The purpose of a .dockerignore file is to specify files that Docker does not submit to the Docker daemon when building a Docker image. A .dockerignore file is a text file that contains a list of files or directories that should be excluded from the build context, which is the set of files and folders that are available for use in a Dockerfile. By using a .dockerignore file, you can avoid sending files or directories that are large, contain sensitive information, or are irrelevant to the Docker image to the daemon, which can improve the efficiency and security of the build process. The other options are incorrect because they do not describe the function of a .dockerignore file. Option A is wrong because a .dockerignore file does not affect the files existing in a Docker image, but only the files sent to the daemon during the build. Option C is wrong because a .dockerignore file does not exist in the root file system of containers, but in the same directory as the Dockerfile. Option D is wrong because a .dockerignore file does not affect the volumes that Docker attaches to a container, but only the files included in the build context. Option E is wrong because a .dockerignore file does not affect the parts of a Dockerfile that are executed, but only the files available for use in a Dockerfile. References:

* What are .dockerignore files, and why you should use them?

* Dockerfile reference | Docker Docs

* How to use .dockerignore and its importance - Shisho Cloud

質問 # 65

Which of the following statements are true regarding resource management for full virtualization? (Choose two.)

- A. All processes created within the virtual machines are transparently and equally scheduled in the host system for CPU and I/O usage.
- B. Full virtualization cannot pose any limits to virtual machines and always assigns the host system's resources in a first-come-first-serve manner.
- **C. The hypervisor provides each virtual machine with hardware of a defined capacity that limits the resources of the virtual machine.**
- **D. It is up to the virtual machine to use its assigned hardware resources and create, for example, an arbitrary amount of network sockets.**
- E. The hypervisor may provide fine-grained limits to internal elements of the guest operating system such as the number of processes.

正解: C、D

解説:

Explanation

Resource management for full virtualization is the process of allocating and controlling the physical resources of the host system to the virtual machines running on it. The hypervisor is the software layer that performs this task, by providing each virtual machine with a virtual hardware of a defined capacity that limits the resources of the virtual machine. For example, the hypervisor can specify how many virtual CPUs, how much memory, and how much disk space each virtual machine can use. The hypervisor can also enforce resource isolation and prioritization among the virtual machines, to ensure that they do not interfere with each other or consume more resources than they are allowed to. The hypervisor cannot provide fine-grained limits to internal elements of the guest operating system, such as the number of processes, because the hypervisor does not have access to the internal state of the guest operating system. The guest operating system is responsible for managing its own resources within the virtual hardware provided by the hypervisor. For example, the guest operating system can create an arbitrary amount of network sockets, as long as it does not exceed the network bandwidth allocated by the hypervisor. Full virtualization can pose limits to virtual machines, and does not always assign the host system's resources in a first-come-first-serve manner. The hypervisor can use various resource management techniques, such as reservation, limit, share, weight, and quota, to allocate and control the resources of the virtual machines. The hypervisor can also use resource scheduling algorithms, such as round-robin, fair-share, or priority-based, to distribute the resources among the virtual machines according to their needs and preferences. All processes created within the virtual machines are not transparently and equally scheduled in the host system for CPU and I/O usage. The hypervisor can use different scheduling policies,

such as proportional-share, co-scheduling, or gang scheduling, to schedule the virtual CPUs of the virtual machines on the physical CPUs of the host system. The hypervisor can also use different I/O scheduling algorithms, such as deadline, anticipatory, or completely fair queuing, to schedule the I/O requests of the virtual machines on the physical I/O devices of the host system. The hypervisor can also use different resource accounting and monitoring mechanisms, such as cgroups, perf, or sar, to measure and report the resource consumption and performance of the virtual machines. References:

* Oracle VM VirtualBox: Features Overview

* Resource Management as an Enabling Technology for Virtualization - Oracle

* Introduction to virtualization and resource management in IaaS | Cloud Native Computing Foundation

質問 # 66

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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.)

正解: net-edit

解説:

net-edit

質問 # 67

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

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

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

正解: E

解説:

The command `docker run -tid -v data:/data debian bash` creates and runs a new container from the `debian` image, with an interactive terminal and a detached mode, and mounts a named volume `data` at `/data` in the container¹². If the volume `data` does not exist, it is created automatically³. If the command is executed twice in succession, two containers are created and run, each with its own terminal and process ID, but they share the same volume `data`. This means that both containers can access, modify, and see the contents of the data volume, and any changes made by one container are reflected in the other container. Therefore, the statement C is true and the correct answer. The statements A, B, D, and E are false and incorrect, as they do not describe the behavior of the command or the volume correctly. References:

* 1: `docker run` | Docker Docs.

* 2: Docker run reference | Docker Docs - Docker Documentation.

* 3: Use volumes | Docker Documentation.

* [4]: How to Use Docker Run Command with Examples - phoenixNAP.

質問 # 68

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

- A. `Libvirt` requires a dedicated network interface that may not be used by 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` supports exactly one virtual network and connects all virtual machines to it.
- D. `Libvirt`'s network functionality is limited to connecting virtual machines to a physical network interface of the host system.
- E. `Libvirt` networks appear, by default, as standard Linux bridges in the host system.

正解: E

