Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE
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Network Services

LATEST SUBMISSION GRADE
100%

1. Question

1 / 1 point

Let's say that you're the sole IT person at your company. The company is a very small startup, and they need to set up a few non-critical services and have a single physical server in place. What's the best approach to fully utilize this server?

- Partition the hard drive on the server.
- (selected) Set up virtualized servers on the server.
- Purchase a service from an IaaS provider.
- Use the server for a single service and don't worry about the other services.

Correct
Excellent! Virtualized servers allow services to be run on a single machine in different virtual instances.

2. Question

1 / 1 point

If you wanted to securely transfer files from your local machine to a web server, what file transfer protocol could you use?

- FTP
- TFTP
- (selected) SFTP
- NTP

Correct
Yep! SFTP is the file transfer protocol that encrypts data.

3. Question

1 / 1 point

Google's GSuite is an example of which Cloud service?

- (selected) Software as a Service (SaaS)
- Platform as a Service (PaaS)
- Infrastructure as a Service (IaaS)
- Directory as a Service

Correct
You got it! Software as a Service (SaaS) is a neat Cloud product that gives users the ability to edit word documents, process spreadsheets, make presentations, and more, all from a web browser. This simplifies things for you, with less to install and manage.

4. Question

1 / 1 point

Using virtualization comes with many advantages, one of them being performance. Which of these is NOT another realistic advantage of using virtualization over dedicated hardware?

- Maintenance and updates are simplified or eliminated.
- (selected) There are improvements in security and high availability during outage.
- There are fewer points of failure.
- There are cost benefits.

Correct
Woohoo! Security and availability are actually cons of cloud virtualization, not pros. Connecting to a remote server always presents everyday risks that don't exist in contained local systems. Availability is lessened in the case of disaster or power/internet outage, because if you can't connect to the cloud server, you can't connect to your virtual machines.

5. Question

1 / 1 point

In Linux, the most popular remote access tool is OpenSSH. Which software performs the same remote command line (CLI) access from a Windows machine? Check all that apply.

- [ ] RDP
- [x] PuTTY

  Correct
  You got it! PuTTY is a handy Windows tool that lets you access a command line remotely using SSH.

- [x] WinRM

  Correct
  You got it! Windows Remote Managament (WinRM) allows remote access to the command prompt using WS-Management Protocol.

- [ ] Microsoft Azure

Correct
Great, you got all the right answers.

6. Question

1 / 1 point

What are some reasons DNS is necessary? Check all that apply.

- [ ] It improves network throughput.
- [x] It maps local addresses to simple names without editing hosts files.

  Correct
  Awesome! DNS is what maps human understandable names to IP addresses. If you don't set it up correctly, no one will be able to access websites by their names.

- [x] It makes Internet website IP addresses accessible with human readable domain names.

  Correct
  Awesome! Without DNS, we'd have to type in full IP addresses to access the websites we want to use.

- [x] It simplifies remote access.

  Correct
  Awesome! Remote access is much easier when human readable names of network locations are mapped to their addresses.

Correct
Great, you got all the right answers.

7. Question

1 / 1 point

An app developer is shopping for a cloud service that will allow him to build code, store information in a database and serve his application from a single place. What type of cloud service is he looking for?

- DaaS (Directory as a Service)
- IaaS (Infrastructure as a Service)
- SaaS (Software as a Service)
- (selected) PaaS (Platform as a Service)

Correct
Great work! Platform as a Service or PaaS includes an entire platform that allows you to build code, store information in a database and serve your application from a single place.

8. Question

1 / 1 point

If we want to access files located in a directory on a remote server, which of these options would we use?

- VNC client
- (selected) FTP client
- DNS server
- NTP server

Correct
Awesome! FTP, aka the file transfer protocol.