1.Question 1

Question

**Let's say that you handle the IT systems administration for your company. There's a server inside of your organization that checks how often client machines access it. If a client machine hasn't accessed the server in three months, the server won't allow the client machine to access its resources anymore. What can you set to make sure that your client machines and the server times are in sync?**FTPNTPProxyIntranet

**Ans:2**

**Correct**

You nailed it! NTP is commonly used in organizations to keep time synchronized across machines in a fleet.

2.Question 2

Question

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

**Ans:3**

**Correct**

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

3.Question 3

Question

**When you make a DNS query, where does your computer first check to find an IP address to name mapping?**ISP DNS serversYour local machineRoot serversTop-level domains

**Ans:2**

**Correct**

Awesome! When you do a DNS query, your computer first checks locally, in a file like /etc/hosts, to find local DNS mappings.

4.Question 4

Question

**What are the advantages of using Infrastructure as a Service (or IaaS) solutions? Check all that apply.**

You can keep all your files on local machines.

You're not responsible for managing hardware tasks.

**Correct**

You nailed it! Infrastructure as a Service (IaaS) solutions, such as Microsoft's Azure or our very own Google Compute Engine, give us the ability to run Virtual Machines (VMs) on remote hardware. This means less fiddling with hardware and more productivity!

You can have the hardware you need without upgrading any actual hardware.

**Correct**

You nailed it! Simply upgrade your plan by utilizing more computing resources, and you can have all the resources your business needs.

Operating system updates are taken care of for you.

**Ans:2,3,4**

**Correct**

Great, you got all the right answers.

5.Question 5

Question

**A network service developer is looking to install the most secure file transfer protocol. Which protocol would best fit this criteria?**SFTPFTPNTPTFTP

**Ans:1**

**Correct**

Right on! SFTP stands for Secure File Transfer Protocol. It is more secure than the unsecured FTP or TFTP.

6.Question 6

Question

**What is the main advantage of using DHCP?**Allows you to manually set IP addressesAllows usage of static IP addressesMaps IP addresses to human readable URLsLeases IP addresses, removing the need to manually assign addresses

**0 / 1 point**

**Incorrect**

Not quite. Please review the videos in the "DHCP" module for a refresher.

7.Question 7

Question

**What does PXE Boot stand for?**Pay-to-Boot ExtortionPre Boot ExecutionPast Boot ExaminationPost Boot Extraction

**Ans:2**

**Correct**

Right on! PXE Boot stands for Pre Boot Execution. This allows you to boot into software that’s available over the network.

8.Question 8

Question

**A sysadmin is looking to use Pre Booth Execution over a network by keeping operating system installation files on a server. Which type of server is this most likely to be?**SFTP serverDNS serverFTP serverTFTP server

**Ans:4**

**Correct**

Well done! TFTP stands for trivial FTP. It’s a simpler way to transfer files than using FTP and is often used to host installation files.