Appendix D

Activity Answers

Activity 1-1: Setting up a MyVMware Customer Contact Account

Time Required: 10 minutes

Requirements: Web browser and Internet connection

Description: In this activity you will create a MyVMware Customer Connect account and then use it to access VMware product information. (Note, the following steps are in a continual state of change based on VMware updates, I will continue to update this booklet as these changes occur, but in the meantime, you may need to modify the procedure shown below to setup a Customer Contact account).

9. Click on the **All Products** button and record the first 3 product categories on your student answer sheet.

> **Datacenter & Cloud Infrastructure**
>
> **Infrastructure and Operations Management**
>
> **Networking and Security**

10. Click your browser's back arrow to return to the MyVMware.com home page.
11. Click the **Trial and Free Products** button.
12. Notice that all have Hands-on labs available except for? Record the trials that do not have labs on your student answer sheet.

> **VMware Tanzu Basic**
>
> **VMware Telco Cloud Automation**

13. Scroll down the record the Free Products on your student answer sheet.

> **vSphere Hypervisor**
>
> **VMware Fusion Player**
>
> **VMware Workstation Player**

14. Click the VMware Workstation Player (Free) link and download the desktop hypervisor to your computer. If you like, install the free hypervisor and record the results on your student answer sheet.

> **Answer should vary depending on student experience**

Activity 2-1: Setting up a VMware Hands-on Labs Account
Time Required: 10 minutes
Requirements: Web browser and Internet connection
Description: In this activity you will register a username and password that can be used to access the VMware Hands-on Lab environment.

10. Click the Play icon on the What is VMware Hands-on Labs video and be able to answer the following questions:

   a. What is required to run VMware Hands-on Labs?
      Web browser

   b. How many minutes long are most lighting labs?
      15 to 30 minutes

   c. What type of labs can be used to test your knowledge against other users around the world?

      Odyssey Game Labs

   d. What is the URL you need to use to access VMware Hands-on Labs from your browser?
      HOL.VMware.com

11. Next, scroll down the Announcements pane and click the play button on the What is VMware Hands-on Labs in a Box. Be able to answer the following questions:

   a. When would you use HOL-in-a-Box? Be able to provide an example.
      For events where up to 20 people are doing the same lab

   b. What is the maximum number of people recommended for a HOL-in-a-Box event?
      20

   c. How many days in advance of the event do you need to make the request to VMware?
      7 Days

   d. How much does the HOL-in-a-Box cost? **No charge -- FREE**

Activity 2-2: Accessing the Virtualization 101 Hands-on Lab

Time Required: 15 minutes
Requirements: Web browser and Internet connection
Description: In this activity you will register a username and password that can be used to acess the VMware Hands-on Lab environment.

17. Next, click the **Lab Guidance** option from the Lab Overview module list to learn more about the lab and its operation and answer the following questions on a separate piece of paper if requested.
    a. How long should you plan for this lab?
    b. List the modules that are part of this lab:

    _____

    _____

    _____

    c. How are videos used in this lab?

20. Click the **Virtualization** link from the Lab Overview page and then scroll through the pages to answer the questions below. (Record your answers on a separate sheet of paper, or the answer sheet provided by your instructor.)
    a. Virtualization places an additional layer of software called a **Hypervisor** on top of your physical server.
    b. What VMware software allows you to migrate a virtual machine between host computers?
    c. What storage technology saves space by providing storage to VMs only as+
    d. + needed? _____
    e. According to this information, 10 servers at 8% utilization would cost $40,000 per year. Using VMware, this cost could be reduced to _____ by using only 3 servers at 80% utilization.

Activity 2-3: Installing ESXi on the Host Computer (Simulation lab)

Time Required: 30 minutes

Requirements: Web browser and Internet connection

Description: In this activity you will perform module 1 of the Virtualization 101 lab and answer some questions. This is a simulation type lab where the steps are predetermined. While you will be asked to enter information and observe the results, the information has been preset, so you cannot really go wrong. During this lab you will be asked to record information in certain steps. Get a blank sheet of paper (or the answer sheet provided by your instructor) and record the information as requested.

6. Click the **Introduction** heading and read the lab introductory information. On a separate piece of paper, **list the 4 major topics covered** by this lab.

        (1) <u>ESXi Install</u>
        (2) <u>ESXi Host Client</u>
        (3) <u>vSphere Web Client</u>
        (4) <u>vSphere Platinum</u>

8. According to the instructions, during the simulation you are to use the **<u>Tab</u>** **key** rather than the Esc or F11 keys.

10. The Welcome dialog box is displayed. What version of VMware ESXi are you installing? **<u>Version 7</u>**

11. Press **Enter** to continue the installation --- and record what screen is displayed. (Do not press the F11 key --- use the Tab key to continue the simulation.) The "Select a Disk" dialog box will be displayed.
    <u>License Screen</u>

12. On your answer sheet, <u>record what device the ESXi host software will be installed on</u> along with the storage capacity of that device.
    <u>Local Disk</u>

13. Press Enter to select the device and continue by using the Enter key to select the Keyboard layout. The Password dialog box will be displayed. Record the Password you are told to enter and then press Enter to continue. **<u>VMware1!</u>**

16. After the host is re-booted, record the IP address of this ESXi host.

        <u>192.168.180.132</u>

17. What key is used to shut-down the host? **F12**
19. Use the down arrow to select the Configure Management Network option and then press Enter to display the Configure Management Network menu. <u>Record the options on your answer sheet</u>.
VLAN Config
IPv4 Config
IPv6 Config
DNS Config
Custom DNS Suffixes
20. Press Enter to select the Network Adapters option and record the number of network adapters on this host computer.

------------4

21. What additional network adapter does the lab want you to select as the management network? **VMnic2**
22. Why are two network adapters being selected?
To provide fault tolerance in case of a network failure
23. Follow the lab steps to configure the IP4 network. What type of IP address are you asked to select for this host: Static or Dynamic?
Static
24. Record the IP address and default gateway you entered for this ESXi host. **192.168.110.51**
25. What is the Hostname used for this ESXi host? **Esx-o1a-corp.local**
26. Review the DNS configuration and record the steps you use to save the configuration and restart the Management Network.
Press Tab key
Press (Y) to apply changes
27. What does the lab ask you to do after restarting the Management network?
Log out of the console
28. To logout of the host the simulation has you press the Tab key, but on a real computer, what key would be used to logout? **Esc Key**

Activity 2-4: Management with VMware Host Client (Live lab)

> **Time Required:** 20 minutes
> **Requirements**: Web browser and Internet connection
> **Description**: In this activity you will continue going through the Virtualization 101 lab by continuing in Module 1.

Step 7: In the space below, in your own words describe a major difference between the ESXi Host Client and the vSphere Web Client:

> **The ESXi Host Client is used to manage a single host whereas the vSphere Web client works with vCenter Server to manage a multiple host environments along with other VMware services.**

Step 11: Record the date and time settings below:

> **Answers should vary based on the time the date the lab was performed, but all answers should be in UTC time.**

Step 12: Record the Power Management setting for this host below:

> **Technology: Unknown**
> **Active Policy: Balanced**

Step 13: Based on the Monitor page, record which services are currently stopped:

> **Attestd**
> **Kmxd**
> **Active Directory Service**
> **PC/SD Smart Card Daemon**
> **PTP Daemon**
> **CIM Server**
> **SNMP Server**
> **VMware vCenter Agent**

Step 14: In the space below, record the usernames currently registered on this host:

> **Root   Administrator**

Activity 3-1: Accessing VMware Certification Information

Time Required: 30 minutes
Requirements: Web browser and Internet connection
Description: In this activity you will login to VMware Learning page and then view certification information including a video on VMware certification options.

4. Click the **VMware Customer Connect Learning** option and List the Individual Course categories on your answer sheet.
   On Demand Courses
   VMware Lab Connect
   Certification Exam Prep

6. Click the **Certification Manager** link and then if requested, login using your MyVMware Customer Connect account and password. Record the Features listed on your answer sheet. If you like view one or more "How-To" videos and then close the Certification Manager tab.
   Schedule your exam
   View your exam history
   Track your certification status
   Manage your transcripts

12. Scroll down to the "Sections Included in the Exam" section. Notice that this section allows you to see what objectives will be tested on the exam. Record the sections that have testable objectives on your student answer sheet. Many of these objectives will be part of my "Introduction to vSphere Virtualization" Kindle booklet.
    Architecture and Techniques
    Installing, Configuring, and Setup
    Administrative and Operational Tasks

13. Scroll down to the References section link and notice all the references. Follow the link to some of references and record the ones you access on the answer sheet.
    Answers should vary depending on what the student does.

Activity 3-2: Accessing VMware's Educational tools

Time Required: 30 minutes

Requirements: Web browser and Internet connection

Description: In this activity you will login to VMware Learning page and then view certification information VMware certification options. You will also see how the Learning site home page changes based on your access.

Step 6: Record the first two option in the Quick Links page:

Class Sign-in

Log in to Connect Learning

Step 11: Record the course price for your currency: _____

Answers may vary, but price for this course in USD at the time of this writing was 2,775.00

Step 16: In the space below, record which learning options you examined:

Answers should vary based on student preference.