

NOT FOR SALE

Republic of the Philippines
Department of Education
National Capital Region
Division of Pasig City



**Technical-Vocational and Livelihood Track
Information and Communications Technology (ICT) Strand**

Grade
12

Computer Systems Servicing NC II

QUARTER 1

LO 1: SET UP USER ACCESS

SELF- LEARNING MODULE 7 :

Installing Client on a Virtual Machine

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COC 3 : SET UP COMPUTER SERVERS

Introductory Message

For the facilitator:

Welcome to the Technical Vocational Livelihood Education ICT Grade 12 CSS NC II Module on Set Up User Access: **Installing Client on a Virtual Machine.**

This module was collaboratively designed, developed and reviewed by educators from Schools Division Office of Pasig City headed by its Officer-In-Charge Schools Division Superintendent, Ma. Evalou Concepcion A. Agustin in partnership with the Local Government of Pasig through its Mayor, Honorable Victor Ma. Regis N. Sotto. The writers utilized the standards set by the K to 12 Curriculum using the Most Essential Learning Competencies (MELC) while overcoming their personal, social, and economic constraints in schooling.

This learning material hopes to engage the learners into guided and independent learning activities at their own pace and time. Further, this also aims to help learners acquire the needed 21st century skills especially the 5 Cs namely: Communication, Collaboration, Creativity, Critical Thinking and Character while taking into consideration their needs and circumstances.

In addition to the material in the main text, you will also see this box in the body of the module:



Notes to the Teacher

This contains helpful tips or strategies that will help you in guiding the learners.

As a facilitator you are expected to orient the learners on how to use this module. You also need to keep track of the learners' progress while allowing them to manage their own learning. Moreover, you are expected to encourage and assist the learners as they do the tasks included in the module.

For the learner:

Welcome to the Technical Vocational Livelihood Education ICT Grade 12 CSS NC II Module on Set Up User Access: **Installing Client on a Virtual Machine.**

The hand is one of the most symbolized part of the human body. It is often used to depict skill, action and purpose. Through our hands we may learn, create and accomplish. Hence, the hand in this learning resource signifies that you as a learner is capable and empowered to successfully achieve the relevant competencies and skills at your own pace and time. Your academic success lies in your own hands!

This module was designed to provide you with fun and meaningful opportunities for guided and independent learning at your own pace and time. You will be enabled to process the contents of the learning material while being an active learner.

This module has the following parts and corresponding icons:



Expectation - These are what you will be able to know after completing the lessons in the module



Pre-test - This will measure your prior knowledge and the concepts to be mastered throughout the lesson.



Recap - This section will measure what learnings and skills that you understand from the previous lesson.



Lesson- This section will discuss the topic for this module.



Activities - This is a set of activities you will perform.



Wrap Up- This section summarizes the concepts and applications of the lessons.



Valuing- this part will check the integration of values in the learning competency.



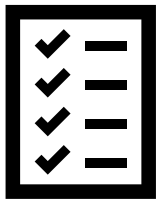
Post-test - This will measure how much you have learned from the entire module.



EXPECTATION

After completing the lesson the learners should be able to:

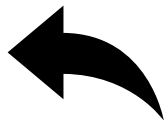
- A. know the process of installing Windows 7 on the VMware Workstation 12.
- B. demonstrate the process of installing Windows 7 Ultimate x64 on the VMware.
- C. give the significance of installing Windows 7 on the VMware Workstation 12.



PRE-TEST

Directions: Arrange the following steps in installing Windows 7 on the VMware Workstation 12 in chronological order **from 1 to 5** before each letter.

- ____ A. Rename your machine (Windows 7) as CLIENT
- ____ B. Select Windows 7 to mount iso disc image to the VMware Workstation 12 by browsing down to your file.
- ____ C. Open VMware Workstation 12.
- ____ D. Click NEXT to continue until installation process is done.
- ____ E. Select Windows 7 Ultimate x64 from the list of operating system.



RECAP

TRUE or FALSE

Directions: Read each statement below carefully. Write **T** if the statement is correct and **F** if not in the space provided before each number.

- _____ 1. In VMware, pressing CTRL + G will bring you back to your physical machine.
- _____ 2. You cannot shut your computer down without selecting one of the options or typing comment from the shutdown event tracker.
- _____ 3. You can log on both accounts (admin and user accounts) at a time.
- _____ 4. Both accounts must be properly shutdown.
- _____ 5. By pressing CTRL + G or move the pointer inside will give access direct input to your VM.



LESSON

Installing Client on a Virtual Machine.

Introduction

In our previous discussion, we have installed our server on the VMware Workstation 12. You have learned how to install and uninstall it all over again. We will now install Windows 7 x64 as our CLIENT.

Windows 7 is something of a relic. Not quite as ancient as Windows XP, of course. But Windows 7 has already ended its support system since January 2020. Both operating systems that we are using here have already expired support system. Meaning, we cannot get updates from Microsoft. At that point, Microsoft will stop issuing public Windows 7 security patches. Companies that rely on Windows 7 will pay Microsoft to keep working on and fixing the operating system. But those fixes are unlikely to reach the public. Anyway, we are just using these softwares for educational purpose only and we can install and uninstall from time to time as part of our lesson. And as of this moment, TESDA Training Regulation has not yet migrated.

So, for today's lesson, we will discuss the process of installing client on a virtual machine. Illustration below are the steps on how to install Windows 7 x64 as our client in VMware Workstation 12.

How to install Windows 7 x64 on the VMware Workstation 12.

The following are the steps in installing Windows 7 x64 on the VMware Workstation 12:

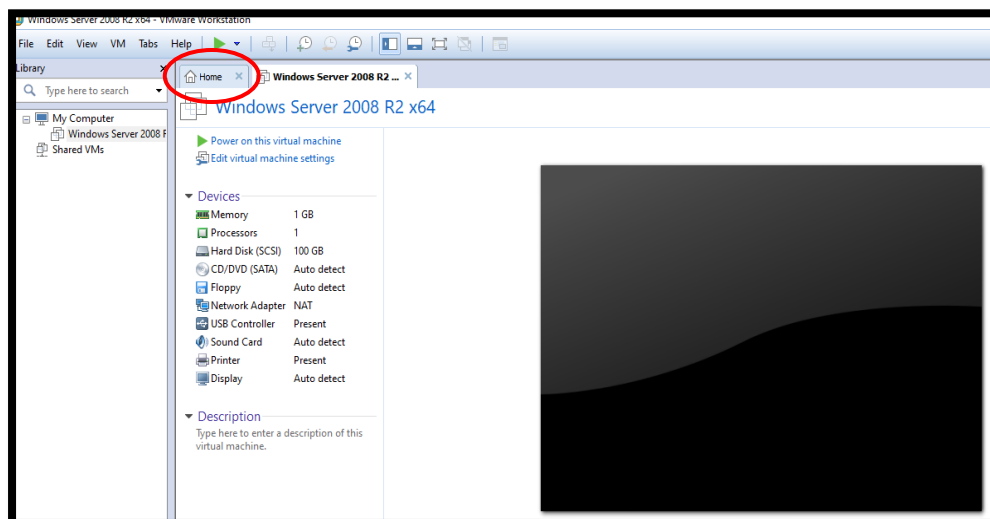


Fig. 1. Click the HOME TAB. Notice the Windows Server 2008 R2 that has previously installed. (You may power it on while installing the client).

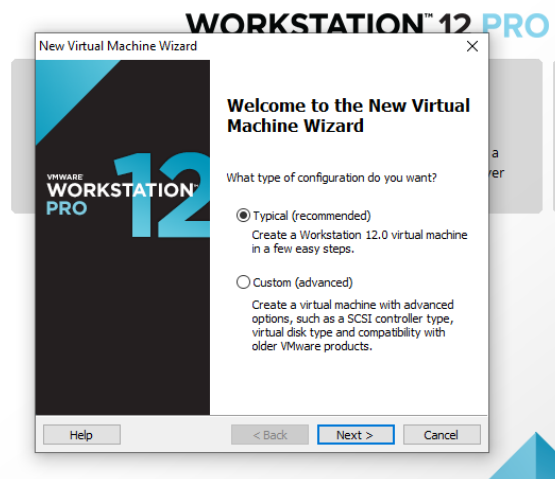
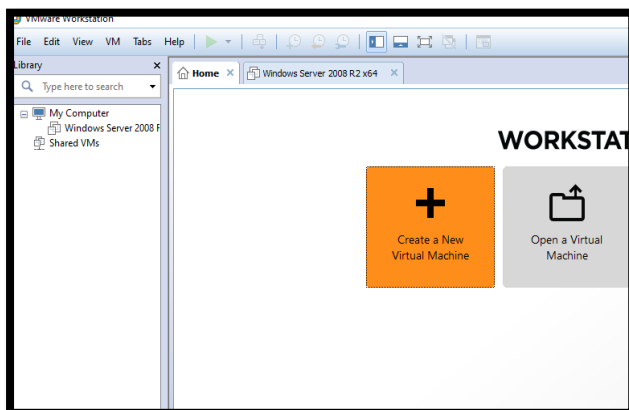


Fig.2. Click Create a New Virtual Machine. A Welcome screen will appear. Select TYPICAL as type of configuration then click NEXT.....

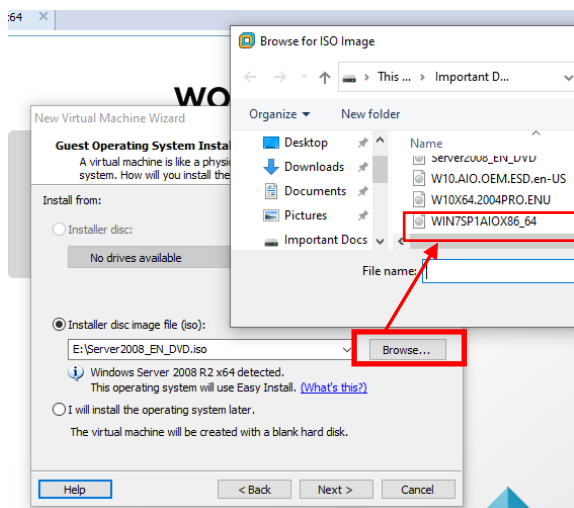


Fig 3. From the Guest Operating System, browse down your client's ISO image...

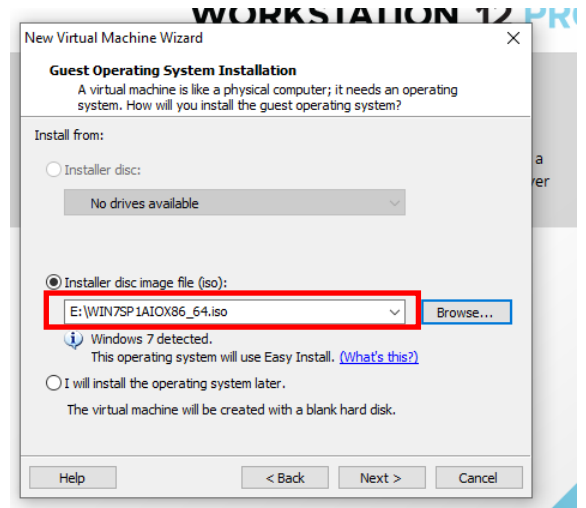
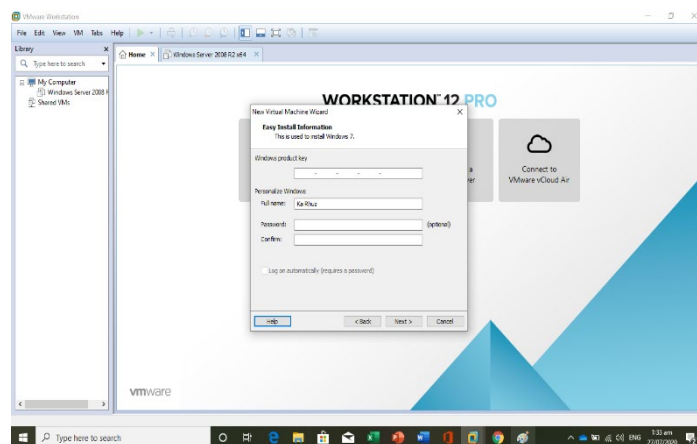


Fig.4. Make sure the disc image is mounted or detected before clicking the NEXT

Fig.5. Click NEXT ...



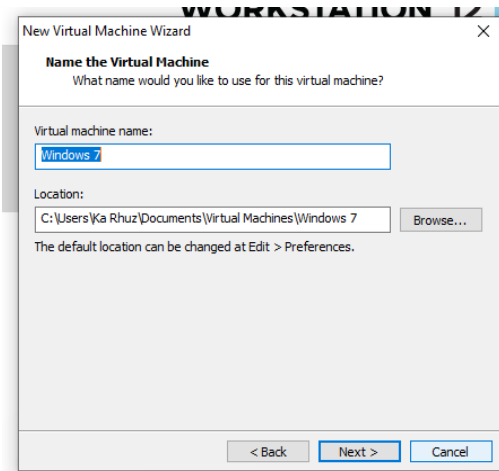


Fig.6. Your virtual machine name must be Windows 7..click NEXT....

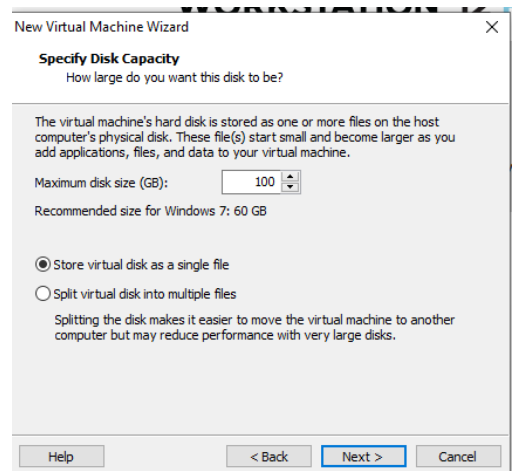


Fig.7. Change disk capacity to 100 and select Store virtual disk as single file...then click NEXT....

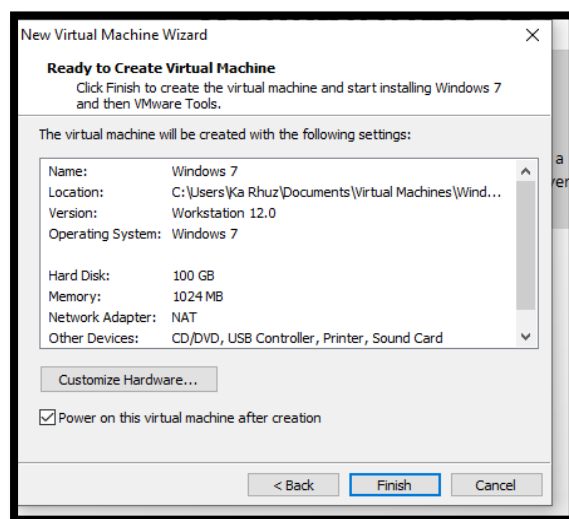


Fig. 8. Virtual Machine settings will appear...then click FINISH. It will now create a virtual disk for the client.

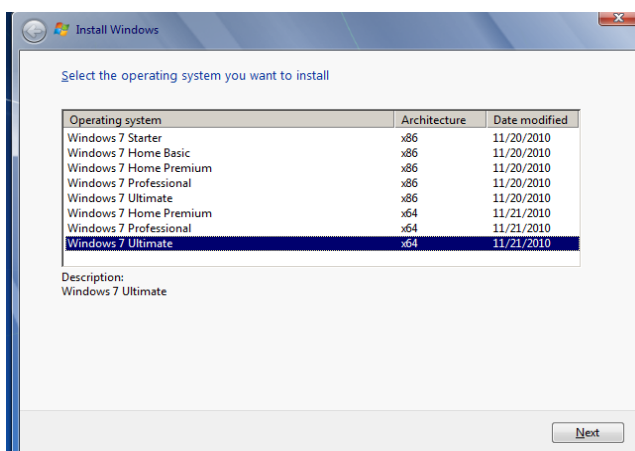
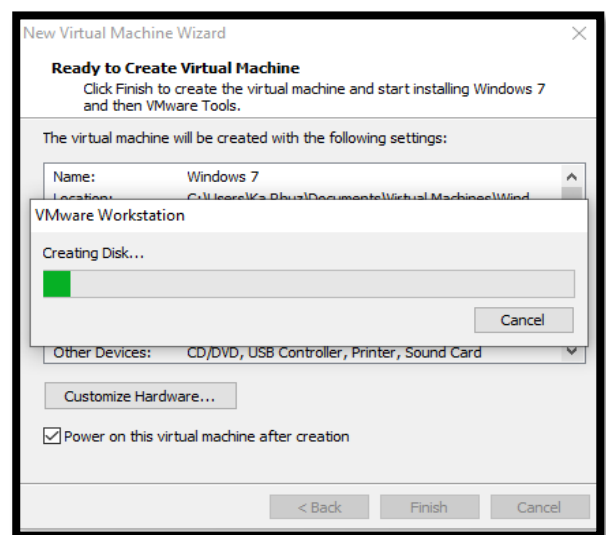


Fig.9. Select Windows 7 Ultimate x64 as your operating system..click NEXT . . .

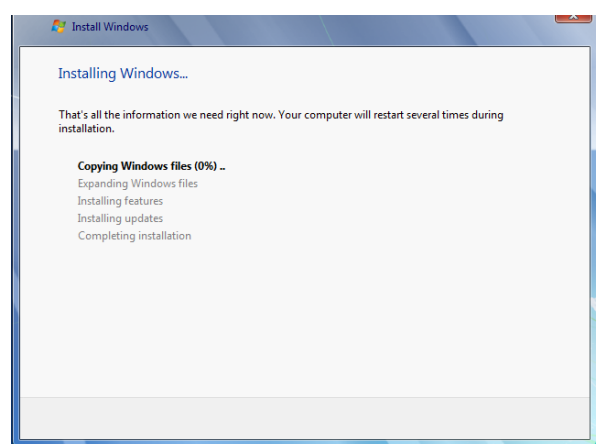


Fig 10. Let the installation continue....

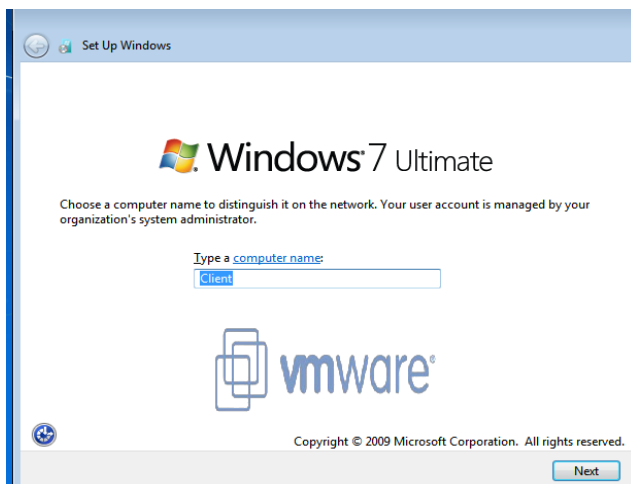


Fig.11. Name your computer as CLIENT then click NEXT...

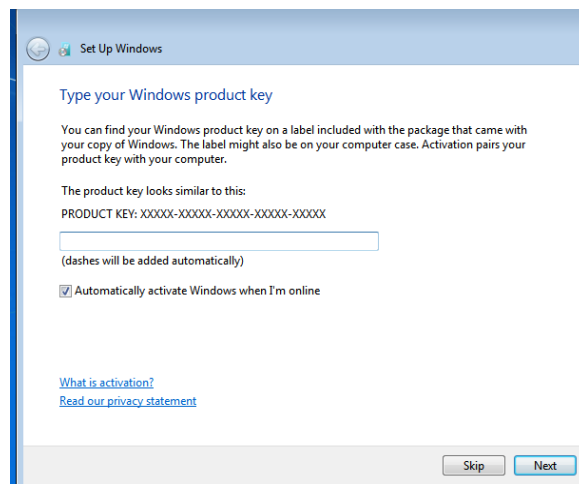


Fig.12. Skip the product key and click NEXT.

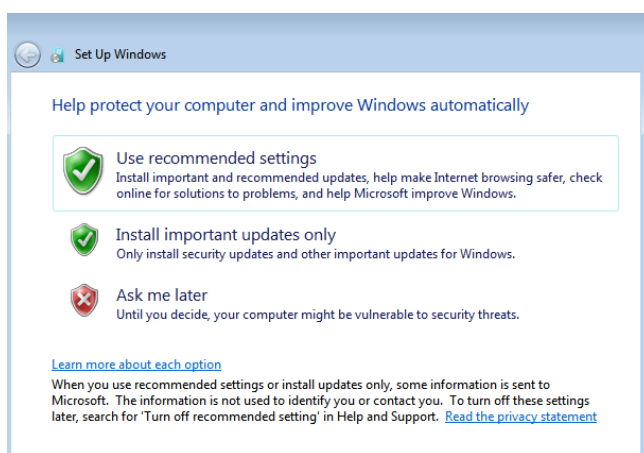


Fig.13. Select install important updates only. If you want other settings, you may do so..

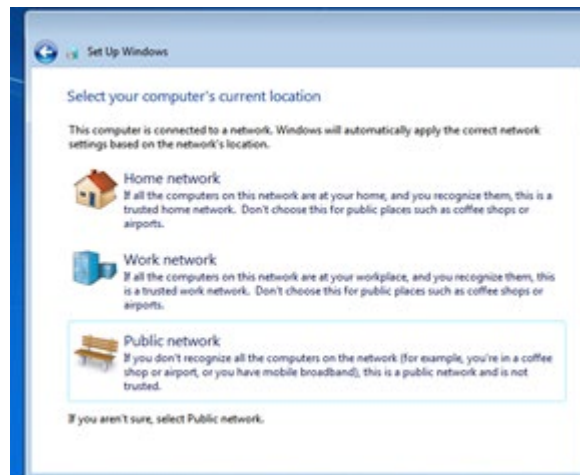


Fig.14. Select Work network for your network setup....

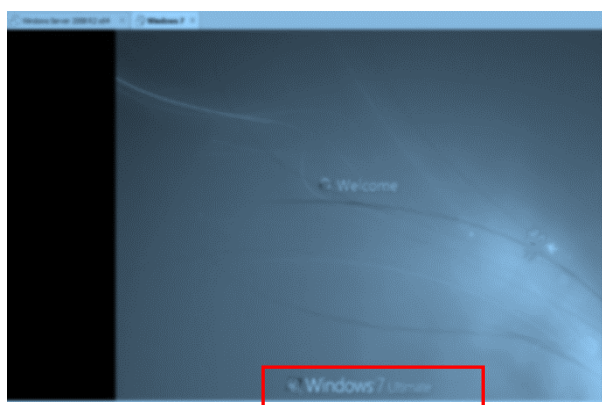


Fig. 15. Installation will continue. Take note of the version that you have selected a while ago.....

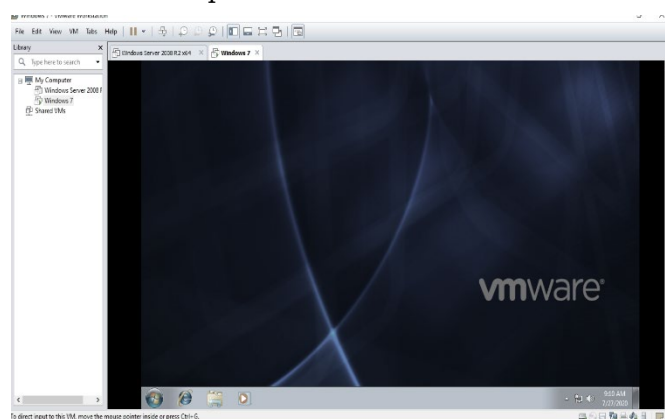
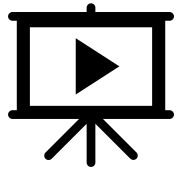


Fig.16. Until finally, installed the client. It must be noted that the computer name should be CLIENT.

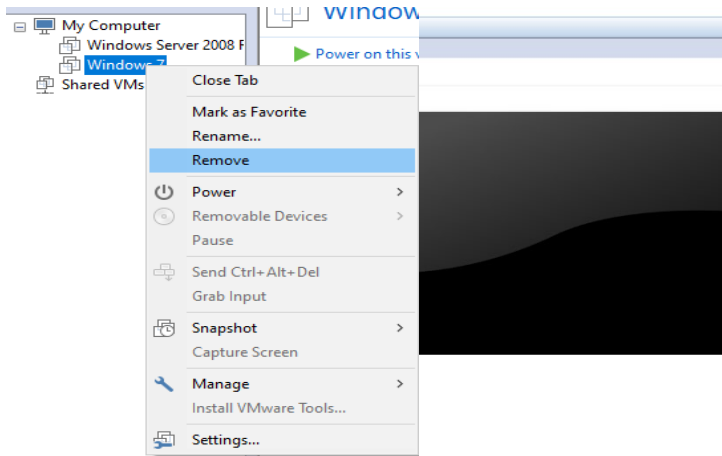


ACTIVITIES

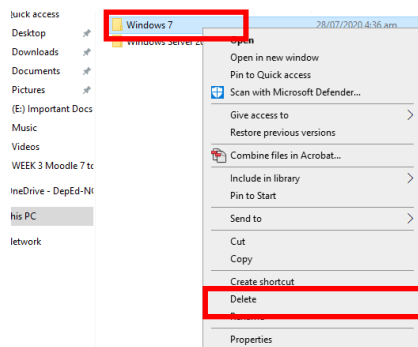
Activity 1. Hands-on Activity

Let us try this activity...

1. From your installed client, shutdown your client. Click start button and select shutdown or press ALT+F4.
2. While the client is off, select Windows 7 (your client) press RMB and select REMOVED. Then click REMOVE to execute....



3. Now, go to Virtual Machine default folder. Select Windows 7 (client) machine and DELETE.



4. Open your VMware and try to repeat the process of installing and uninstalling Windows 7 x64 -bit using VMware Workstation 12.
5. If you feel that you have mastered this process, try to answer the Self-Assessment Guide in your worksheet provided for this activity just like before.
6. Again, rate yourself from 1 to 5 (1 as the lowest and five as the highest).

SELF-ASSESSMENT GUIDE :

Can I . . .

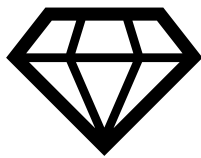
1. Identify Windows 7 iso disc image from my file?
2. Mount Windows 7 iso disc image and detected on the VMware?
3. Select Windows 7 Ultimate x64 from the list of operating system during installation?

4. Rename the computer as CLIENT ?
5. Uninstall and install Windows 7 x64 easily all over again??



W R A P – U P

Installing Windows 7 on the VMWare Workstation is just like installing your server as per discussion in our previous lesson. Mount your Windows 7 ISO image and select Windows 7x64-bit Ultimate as guest operating system. Remember that selecting Home Basic will not be work if you are on the process of remote desktop. Follow through the process to finish the installation.



V A L U I N G

What do you think is the significance of installing CLIENT on the VMware?



P O S T T E S T

True or False

Directions: Read each statement below carefully. Write **T** if the statement is correct and **F** if not in the space provided before each number.

- _____ 1. Windows 7 is a guest operating system in VMware.
- _____ 2. Windows 7 Ultimate has a complete features compared to other versions.
- _____ 3. Windows 7 operating system will end its support system by year 2022.
- _____ 4. The process of installing Window 7 on the VMware is almost the same as Windows Server 2008 R2.
- _____ 5. You can rename the computer as CLIENT during the process of installation.



KEY TO CORRECTION

PRETEST

A. 4
B. 2
C. 1
D. 5
E. 3

RECAP

1. F
2. T
3. T
4. T
5. T

POST TEST

1. T
2. T
3. F
4. T
5. T

Can I:

1. Identify Windows 7 iso disc image from my file?
2. Mount Windows 7 iso disc image and detected on the VMware?
3. Select Windows 7 Ultimate x64 from the list of operating system during installation?
4. Rename the computer as CLIENT
5. Uninstall and install Windows 7 x64 all over again?

Let the student repeat the process to master the process of installing and un installing Windows 7 (x64) as Client.
After mastering the process, let the students self-assess their knowledge and skills.
Rate themselves in the scale from **1 to 5**, 1 as the lowest and five as the highest.

Since the activity is a Hands-On activity, give students ample time to self-learn the procedures.

ACTIVITY

REFERENCES

Online Sites:

<https://www.makeuseof.com/tag/installing-windows-7-on-a-virtual-machine>
(access July 24, 2020)

Images:

Set Up Computer Servers

Cover Page was designed using Adobe Photoshop 2018 photo manipulation.

<https://www.computerhope.com/jargon/s/server.htm>(accessed June 20, 2020)

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