

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 14 :

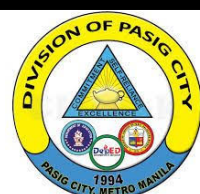
Computer Accounts

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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: **Computer Accounts**

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.

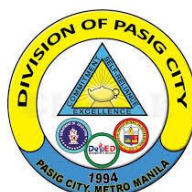
In addition to the material in the main text, you will also see this box in the body of the module:



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: **Computer Accounts**

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. define computer accounts
- B. explain the pre-stage computer account
- C. give the importance creating computer account within the domain

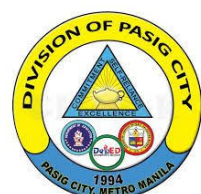


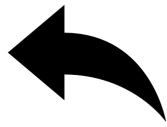
PRE-TEST

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. The computer is created when you first add a computer to the domain.
- _____ 2. A computer account is required for a computer to be a member of the domain.
- _____ 3. Pre-stage computer account is the process in which computer account is automatically created in Active Directory when the computer is added to the domain.
- _____ 4. Just like a user account, computer account has a password.
- _____ 5. One of the reasons computer needs to pre-stage an account is to make sure the computer account goes into the correct organizational unit straight away.





R E C A P

TRUE or FALSE

Direction : Read and understand each item. Write the letter **T** if the statement is true and **F** if the statement is not. Write your answer on the space provided before each item. Do this on your separate worksheet provided for this activity.

- ____ 1. Having Global Catalog Servers or GCs means user in different domains can run queries on the GCs to find any object in the forest.
- ____ 2. Windows Server 2008 by default will make a new domain controller into a global catalog server when it is promoted as a domain controller.
- ____ 3. Only certain attributes are replicated to the global catalog server.
- ____ 4. By default, Microsoft makes all domain controllers global catalog servers.
- ____ 5. The advantage of having more than one global catalog is that they require more disk space and more bandwidth.



L E S S O N

Computer Accounts

Introduction

In our previous lesson, we learned about the global catalog servers. This server acts as an index to the forest. Just like an index in the library or server index in an e-library, it helps users to find information. Any domain controller can be made a global catalog server. Objects in Active Directory have a number of attributes that are assigned to them. The Global Catalog contains the information about all the objects in the Active Directory forest.

On this lesson, we will look at the computer accounts in Active Directory. Just like a user needs a user account to access the network, every network on the computer needs an account to access resources on the network.



What is Computer Account?

A computer account is required for a computer to be a member of the domain. When you first add a computer to the domain, this computer is created.

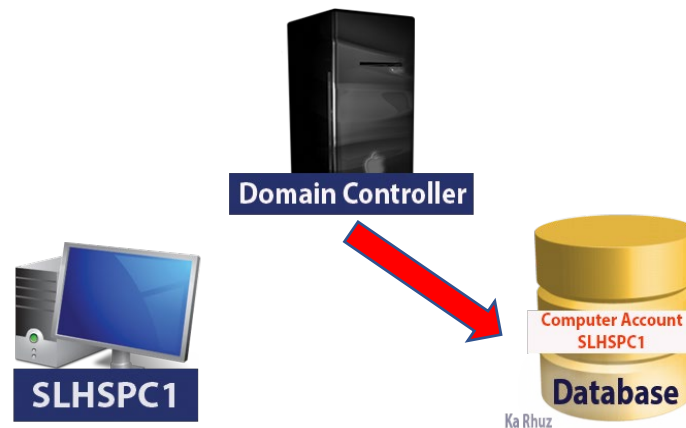


Fig. 1. A computer account is added to the AD DS database

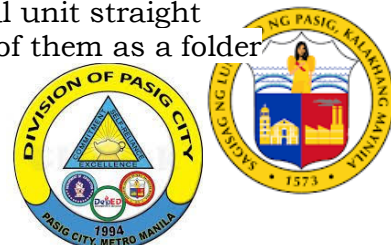
From the Active Directory point of view, it is much like a user account. Just like a user account, it has a password. Unlike a user account, the password is automatically generated. When the computer starts up, and connects up to the domain, it supplies its password to the domain controller and thus is allowed to be a part of the domain. The password allows us to secure a connection between the computer and the domain to be created.

In order to help keep the computer account stay secure, Active Directory will automatically change the password for the computer account every 30 days. Normally, this is a seamless process and you will not be aware that this has occurred. If the computer is not connected to the network for more than 30 days, even if years have passed, the computer will still be allowed on the network. When the computer connects to the networks again, the password will simply be changed then, since it has been greater than 30 days.

It is possible for the password stored on the computer and the one stored in Active Directory to become out of sync. This can occur when a computer is duplicated using imaging products. When this occurs, the computer will not be able to access the computer. In order for the computer to connect to the network again, the computer account will need to be reset and the computer added to the domain again. The computer account is automatically created in Active Directory when the computer is added to the domain but the computer account can also be created beforehand, it is referred to as the **PRE-STAGE COMPUTER ACCOUNT**.

Pre-Stage Computer Account is created for a number of different reasons. If you are using a deployment solution like Windows Deployment Services, there is an option which will allow only computers to be deployed that have been pre-staged. Since deployment solutions like this have the capability of deploying new operating systems on the network, some administrators like deployment to be controlled using pre-staged computer accounts. This ensures that before new operating system is deployed on the network, it has gone through the correct approvals like purchasing licenses for the new operating system. This simply means more control over which computers are deployed using deployment system like Windows Deployment Services.

The next reason you may want to pre-stage a computer account is so that you can ensure the computer account goes into the correct organizational unit straight away. This will cover on the next quarter. But for the present, think of them as a folder



for user accounts and computer accounts inside Active Directory. By pre-staging computer account, the computer will automatically be put in the correct place which means that group policy will be applied straight away when the computer is added to the domain. If the computer account is not pre-stage like this, the group policy settings will not be applied until the computer account is moved to its correct location.

Using a pre-stage computer account like this allows administrative management of computer using group policy as soon as it is joined to the domain. If the computer account is moved after the computer is joined to the domain, the changes will not take effect until the computer is restarted and thus, there is a period of the time the group policy settings will not be applied.

Lastly, when the computer is pre-stage, permissions can be assigned allowing non-administrator permission to add a computer to the domain. Normally, the user would require additional permissions to add the computer, for example, the user must be a Domain Administrator or a member of the Account Operators group, but using this method, you can give a regular user the right to perform this action. For example, if you had a contracted IT support person that you wanted to allow to add computers to the network but did not want to give them additional rights to access the network, you could create a pre-stage computer accounts for them.



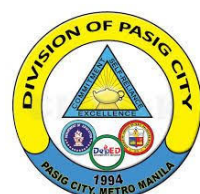
A C T I V I T I E S

Activity 1. The “Why’s” of Computer Accounts.

Direction: Write inside the box, the reason why there is a need for a PRE-STAGE COMPUTER ACCOUNT.

Choices : (Choose only four (4) correct answers.

- Can be used with deployment solutions
- Computer account is automatically put in to correct Organizational Unit (OU)



- Ensures the correct group policy is applied immediately.
- Any user can be allowed to add the computer to the domain.
- Computer can be added even outside the AD DS domain



W R A P – U P

A computer account is required for a computer to be a member of the domain. When you first add a computer to the domain, this computer is created. From the Active Directory point of view, it is much like a user account. Just like a user account, it has a password. Unlike a user account, the password is automatically generated. When the computer starts up, and connects up to the domain, it supplies its password to the domain controller and thus is allowed to be a part of the domain. The password allows us to secure a connection between the computer and the domain to be created.

. The computer account is automatically created in Active Directory when the computer is added to the domain but the computer account can also be created before hand, it is referred to as the pre-stage account and is created for a number of reasons.



V A L U I N G

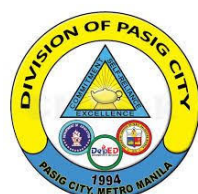
What do you think will be the effect is computer account is not created within the domain?



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. A computer account is required for a computer to be a member of the domain.
- _____ 2. When you first add a computer to the domain, this computer is created. and
- _____ 3. Pre-Stage Computer Account is created for a number of different reasons.
- _____ 4. Computer can be added even outside the AD DS domain
- _____ 5. The computer account is automatically created in Active Directory when the computer is added to the domain.





A. T
B. T
C. T
D. T
E. T

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

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

ACTIVITY

