Kodak Dental Systems

Tech News

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Installing the Kodak 9000 3D unit in a network

Like any Trophy dental devices, the Kodak 9000 3D can be integrated into a networked environment.

But unlike all others, the installation of the Kodak 9000 3D within a network needs to be done in a more cautious way.

This is because :

- the Kodak 9000 3D is using 2 services (DHCP, 3D Volume queue) to manage the acquisition and the communication between the workstation and the unit.
- the communication between the Kodak 9000 3D and the computer is done through an Ethernet card.

There are two ways of sharing the database.

The shared database can be located on the acquisition workstation or located on a remote server or workstation.

The process may vary according to the network type. Hence two cases must be distinguished : WORKGROUP or DOMAIN network

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A – Sharing the database installed on the acquisition workstation

If the database is installed on the computer which will be used as an acquisition workstation then the location on the acquisition workstation (where the database can be found) has to be shared with all access and rights (the user can read, write and modify).

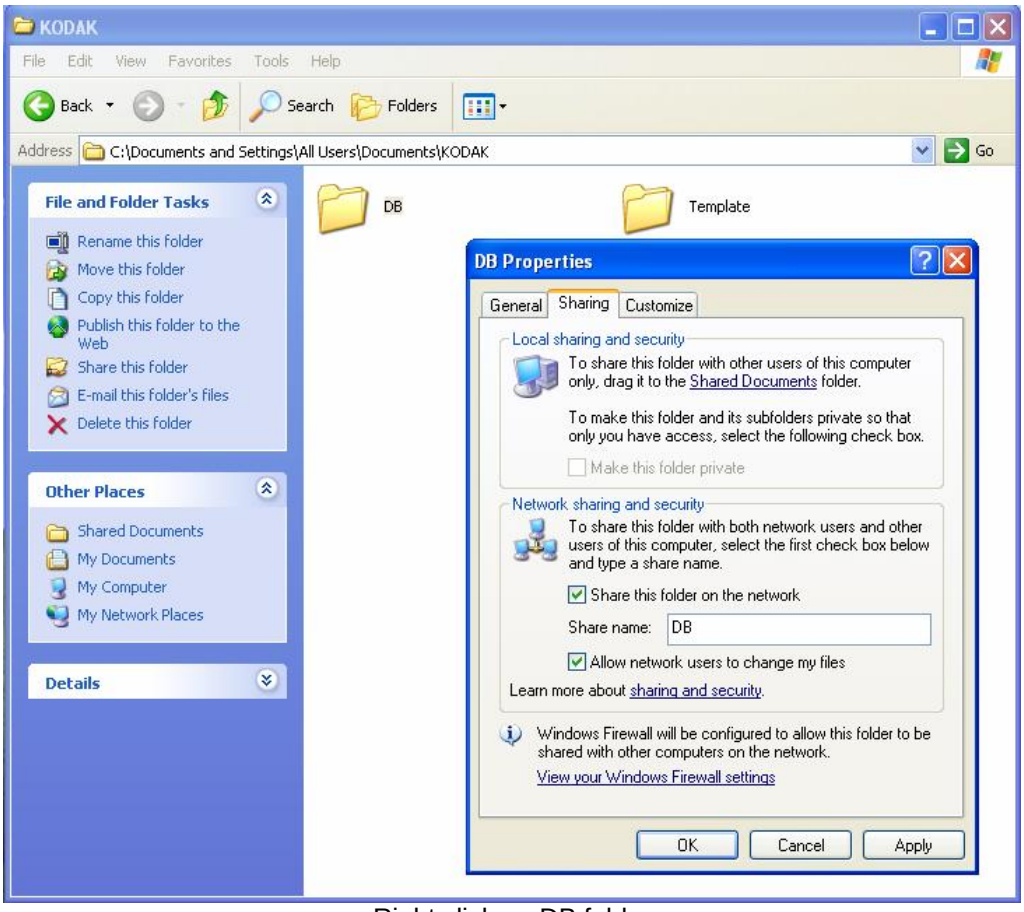
For example, in a standard installation, the database will be located in C:\Documents and Settings\All Users\Documents\Kodak\DB

This means the DB folder in Kodak must be shared in order to allow other users from the network to access the PANO images or 3D Volumes.

A.1 – WORKGROUP Network

If the network is a **WORKGROUP** network then :

Go in the database location

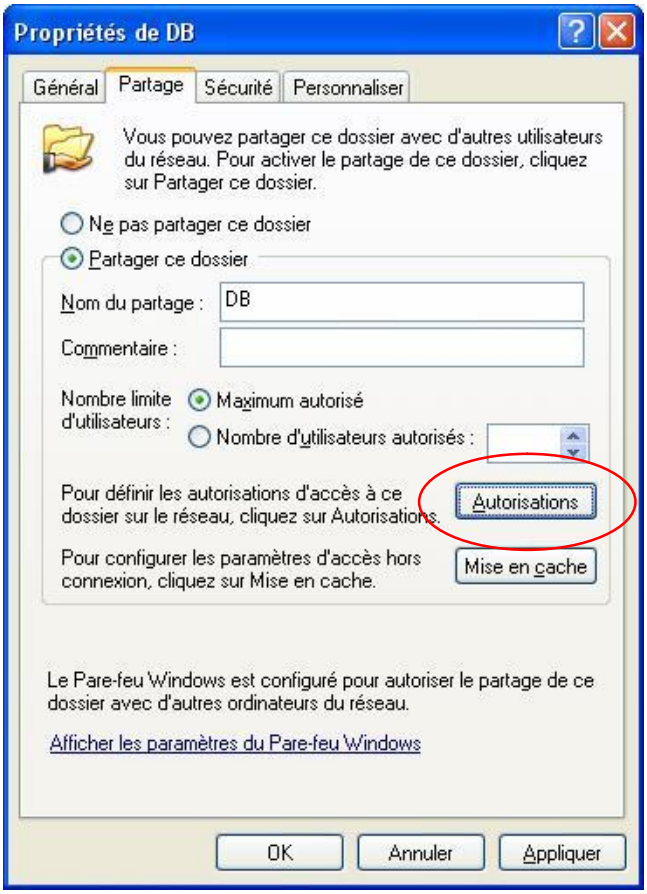


Right click on DB folder
Click on share (and security)
Go on **Sharing** tab
Select **Share this foder on the network**
Select **Allow network user to change my files**

A.1 – DOMAIN Network

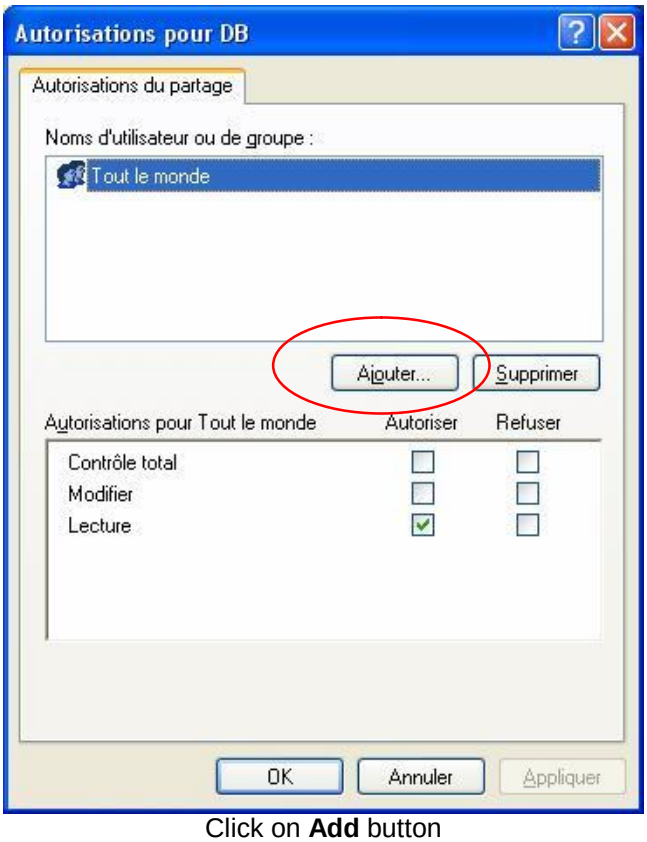
If the network is a **DOMAIN** network then :

Go in the database location

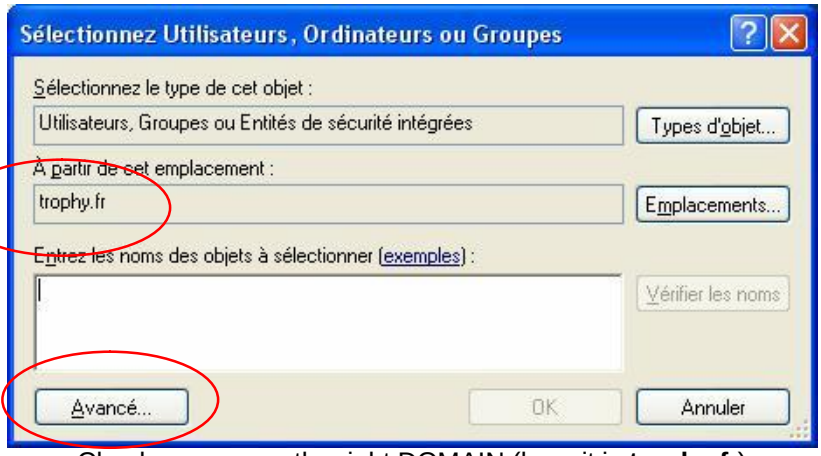


Right click on DB
Click on share (and security)
Select Share this folder
Go on **Sharing** tab
Click on **Autorization**

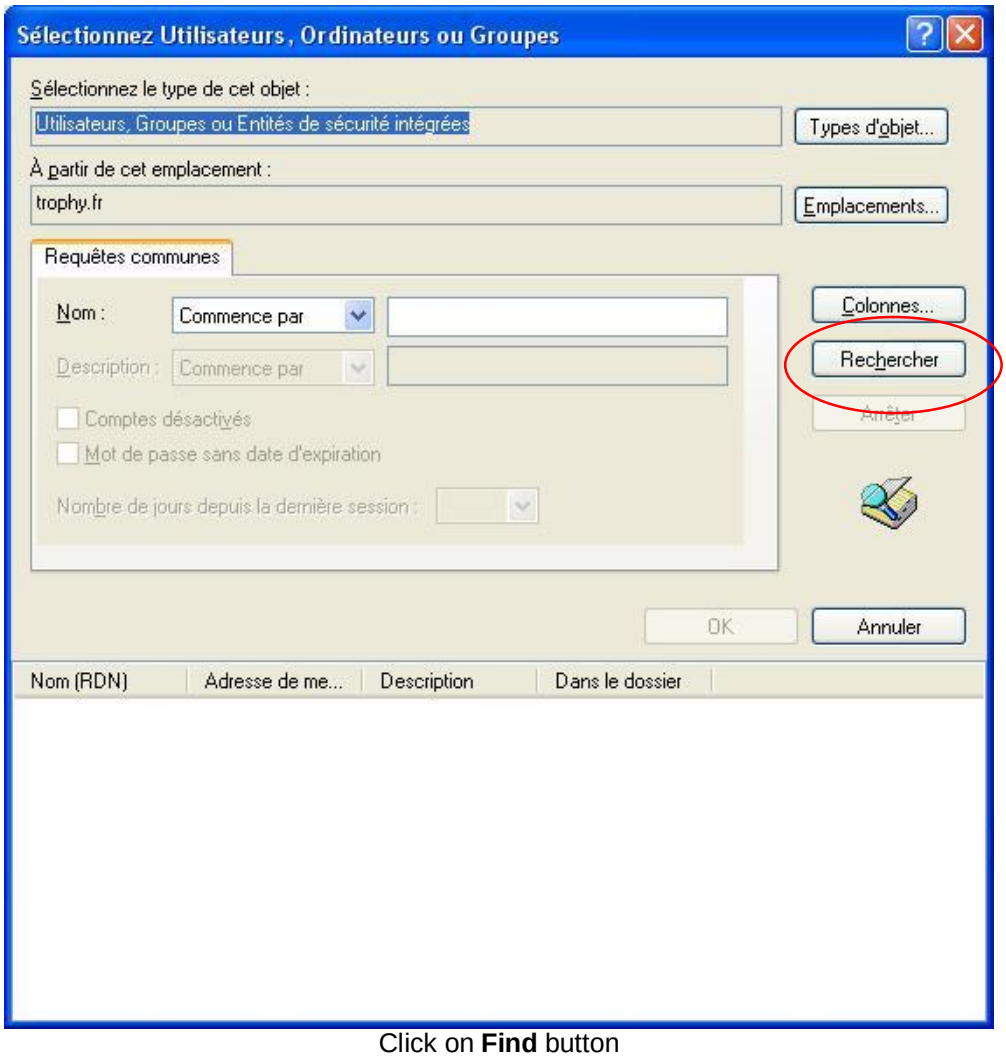
You will get to this window



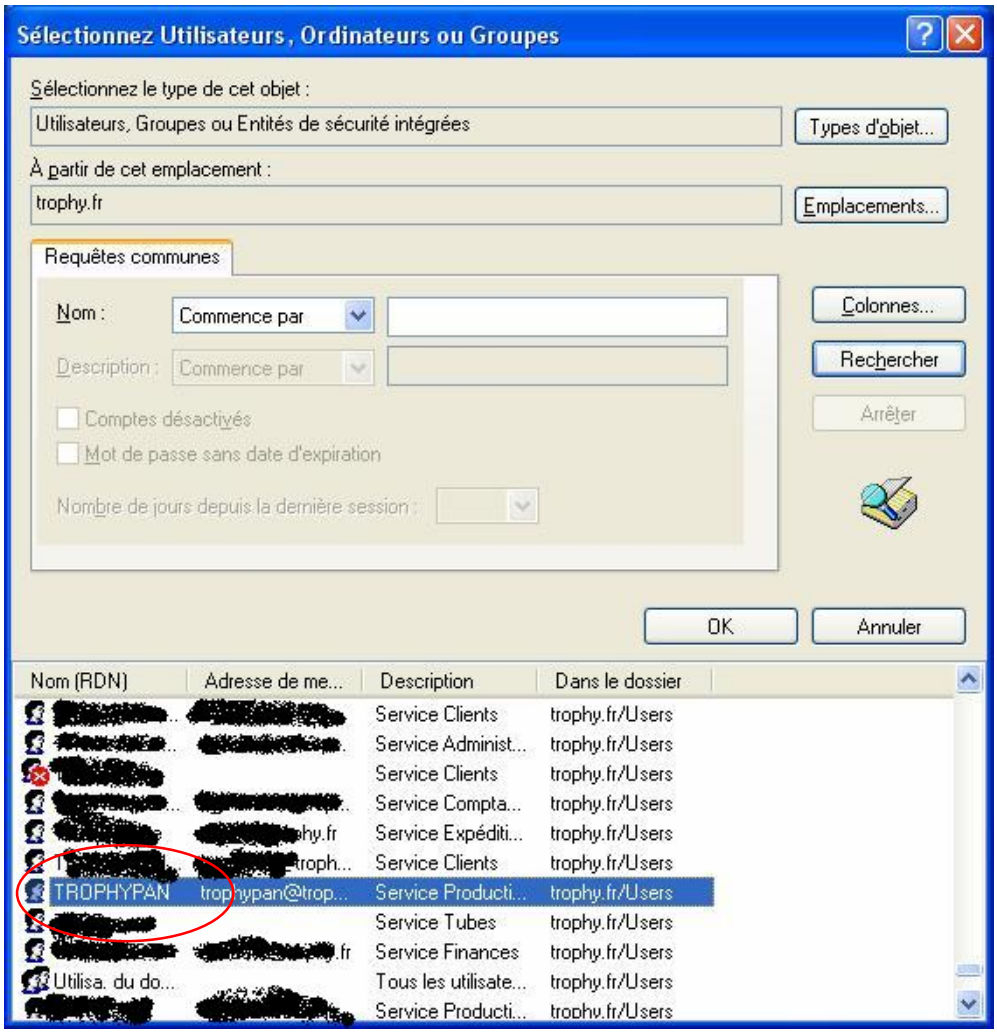
Click on **Add** button



Check you are on the right DOMAIN (here it is **trophy.fr**)
Click on **Advanced** button



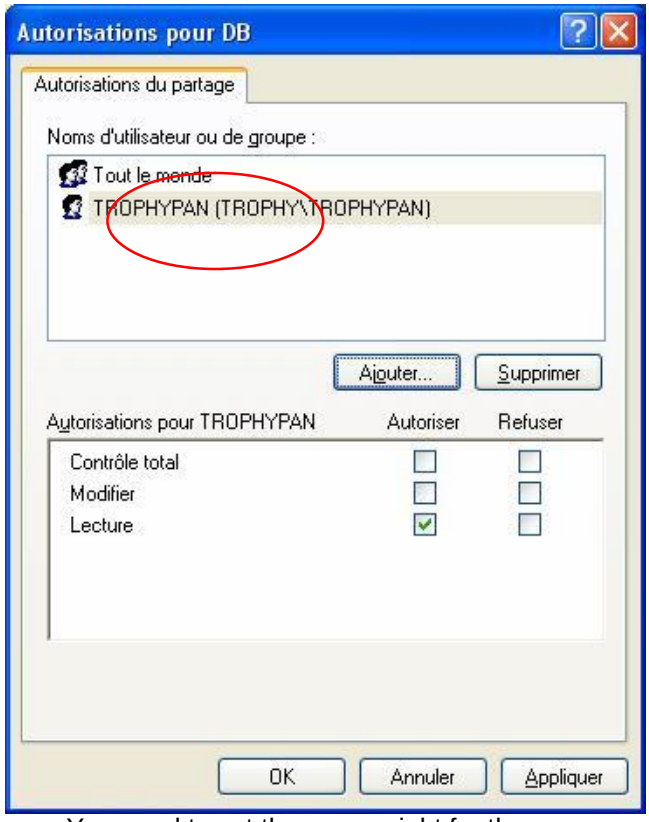
Click on **Find** button



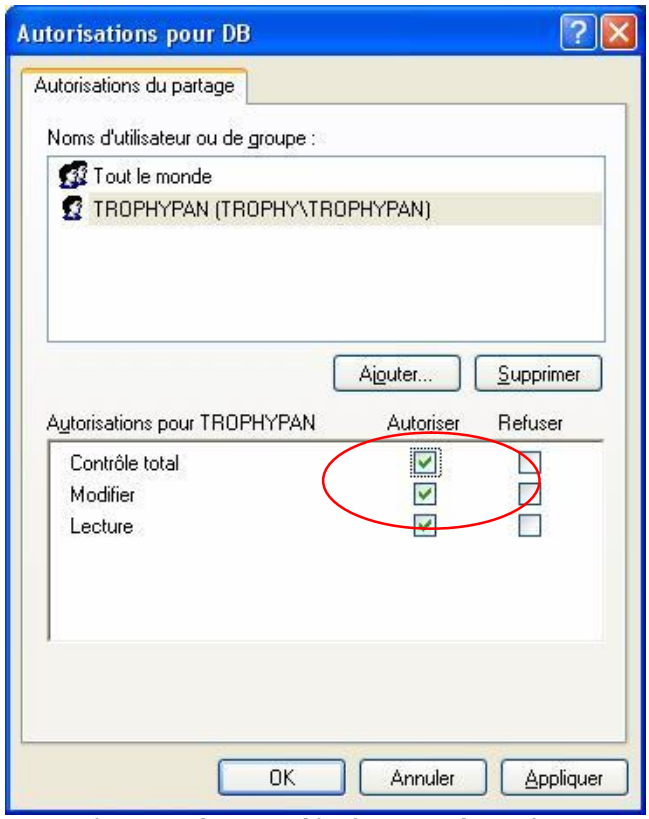
Select the user who will get access to the database
In this example, it is **Trophypan**



Select as many users as needed
Click on **OK** button



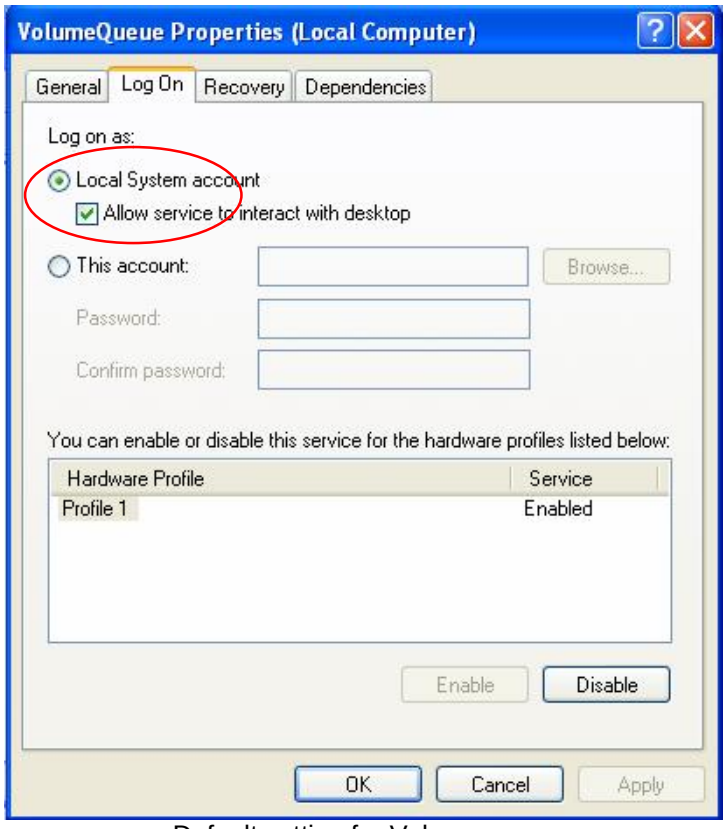
You need to set the proper right for the user



Select **Total Control** in the **Autorize** colomn
Read and **Modify** will be selected

IMPORTANT : If the database is installed on the computer which will be used as an acquisition workstation then there is nothing to change about the VolumeQueu service.

The volumeQueue stays with the default setting.



Default setting for Volumequeue

B – Sharing the database installed on a remote server or viewing workstation

If the database is installed on a remote computer which will be used as an image server or a viewing workstation:

- On the remote server, the location, where the database can be found, has to be shared will all access and rights (the user can read, write and modify).
- The user who will log into the acquisition workstation (the computer connected to the Kodak 9000 3D unit) must have the proper rights (read, write, modify) to access the remote computer and the location of the shared database (DOMAIN network).
- On the acquisition workstation, the VolumeQueue service must be modified in order to be able to work with a remote database across the network.

B.1 – WORKGROUP Network

If the network is a **WORKGROUP** network then the VolumeQueue service must be modified.

VolumeQueue service modification process :

1 – Create a local administrator user : VolumeQ with password : VolumeQ

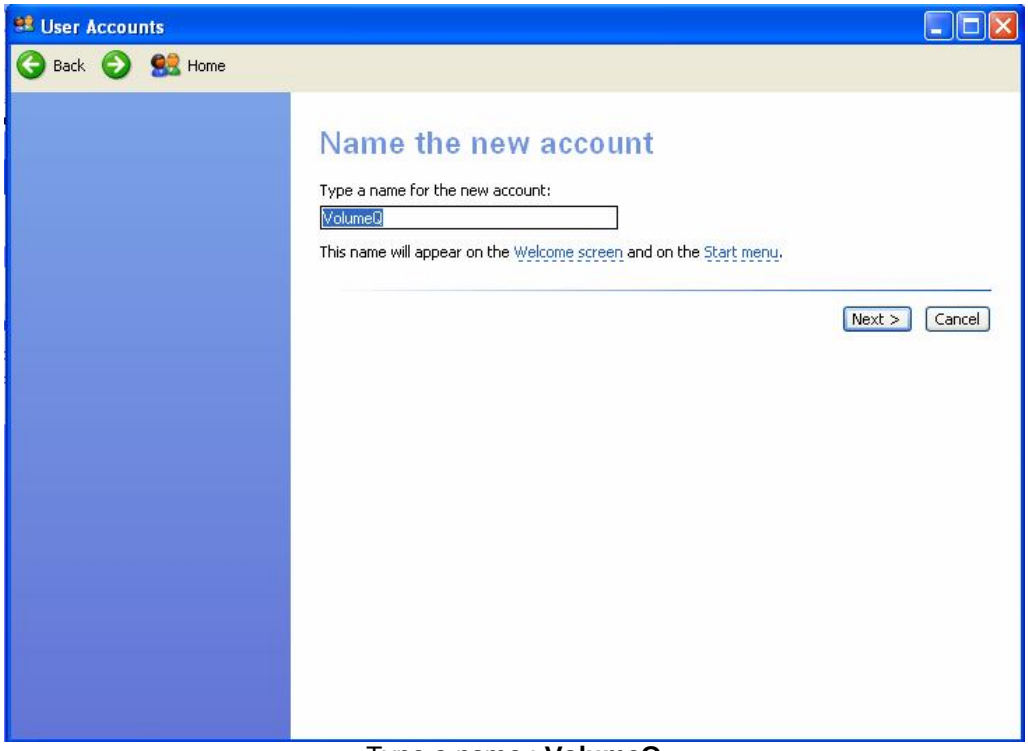
2 – Go in **Services** through **Control Panel/Administrative Tools/Services**

3 – Double-click on **VolumeQueue**, go to "**Log On**" tab

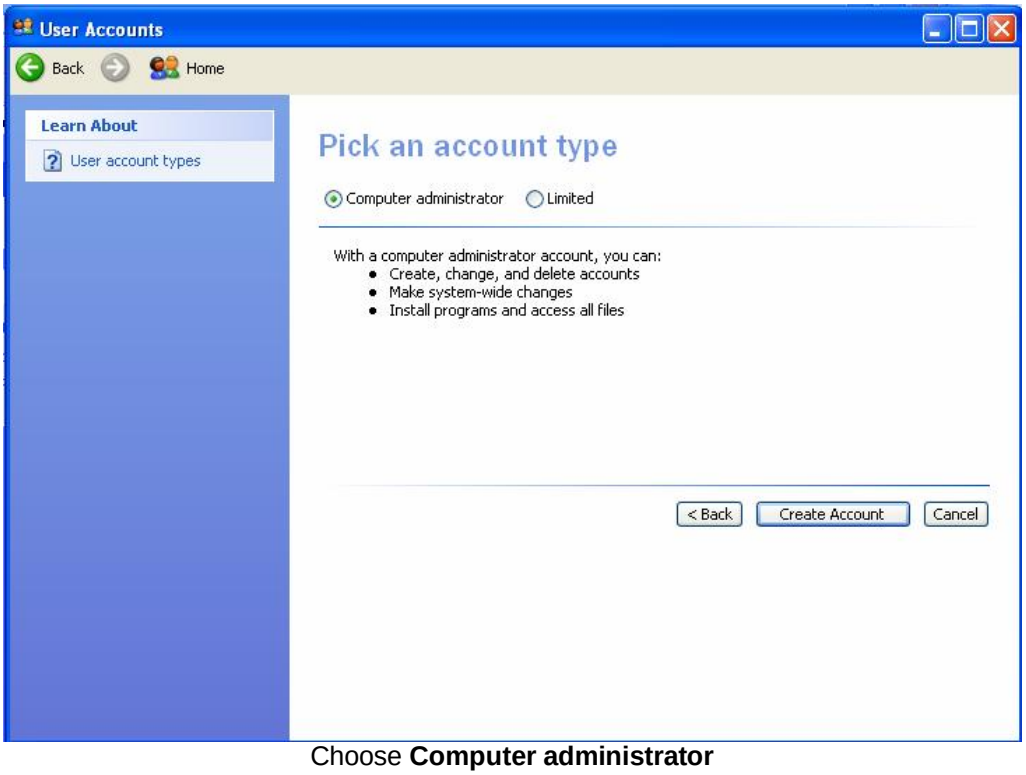
4 – Change from "**Local System account/Allow service to interact with desktop**" to "**This account**". Fill with: VolumeQ and password : VolumeQ, confirm password : VolumeQ.

STEP-BY-STEP process

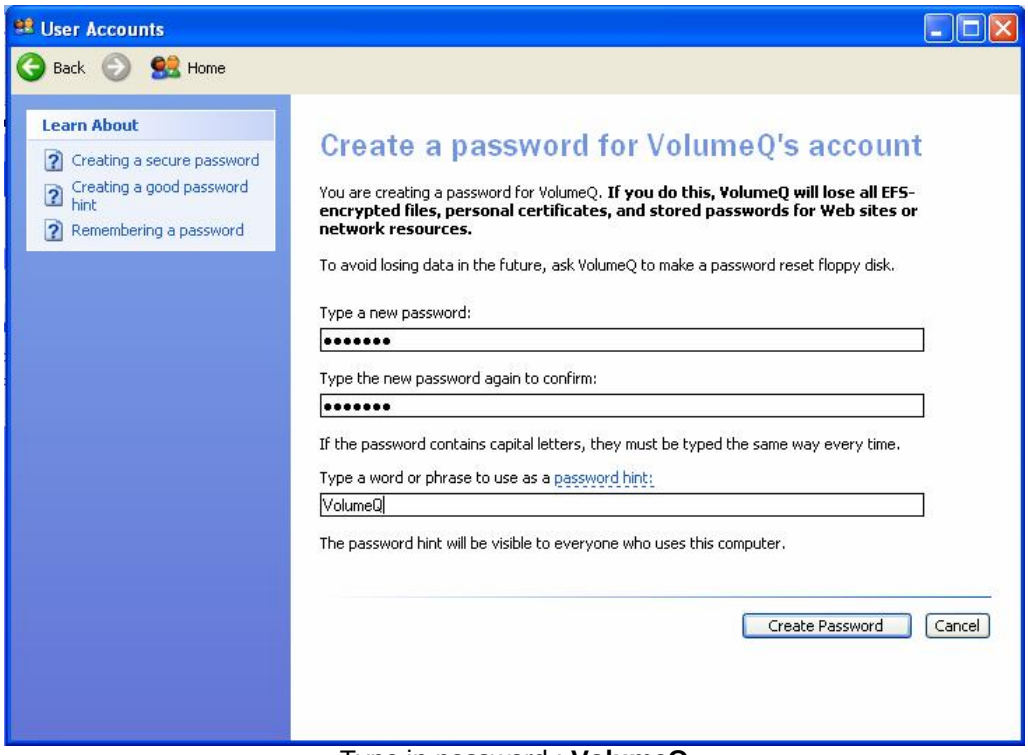
1 – Create a local administrator user : VolumeQ with password : VolumeQ



Type a name : **VolumeQ**

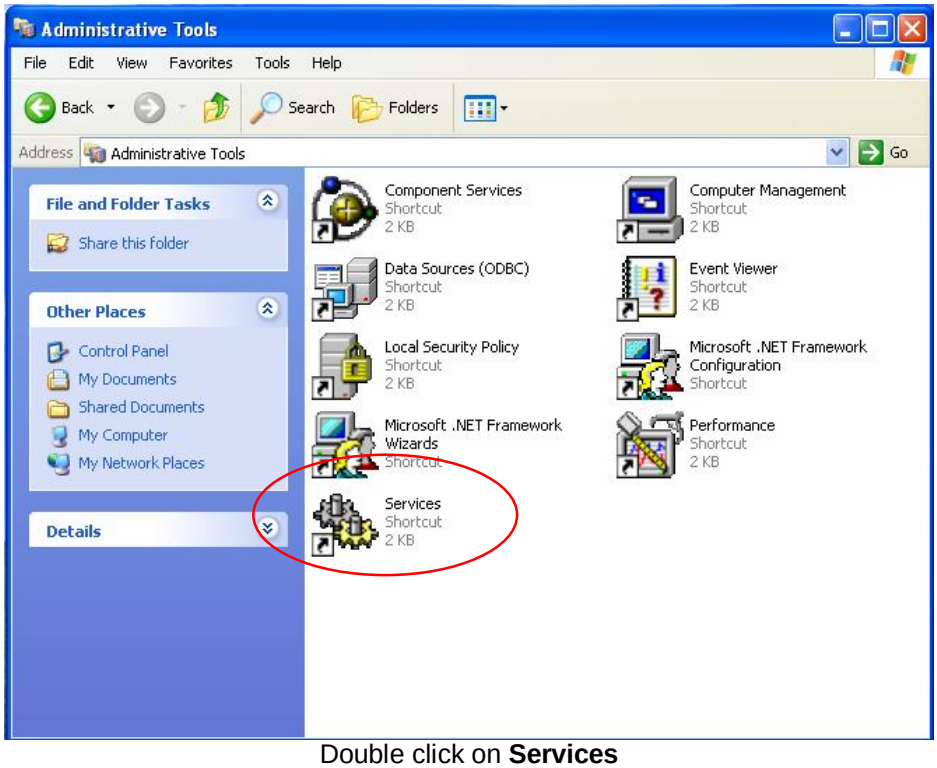


Choose **Computer administrator**



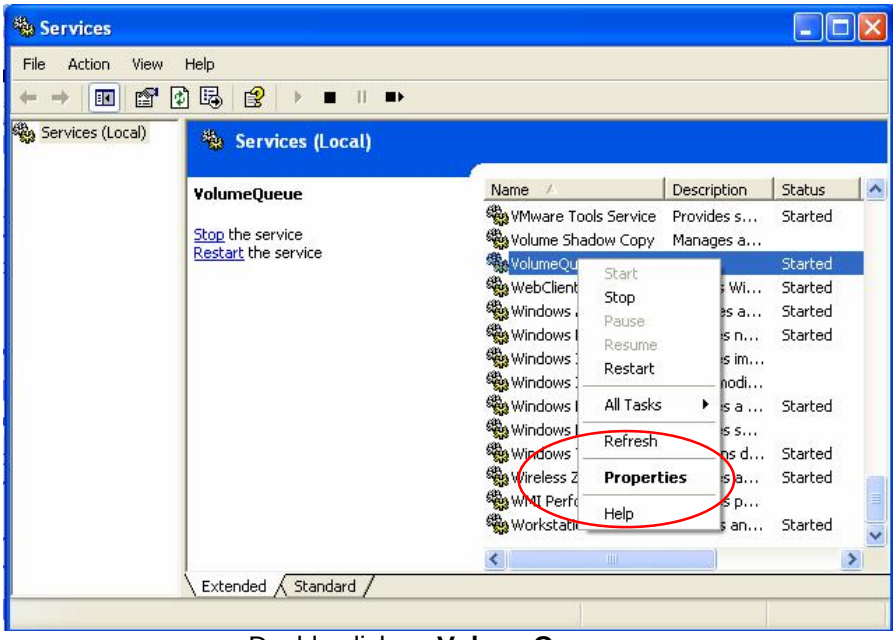
Type in password : **VolumeQ**
Confirm with : **VolumeQ**
Password hints is optional

2 – Go in Services through **Control Panel/Administrative Tools/Services**

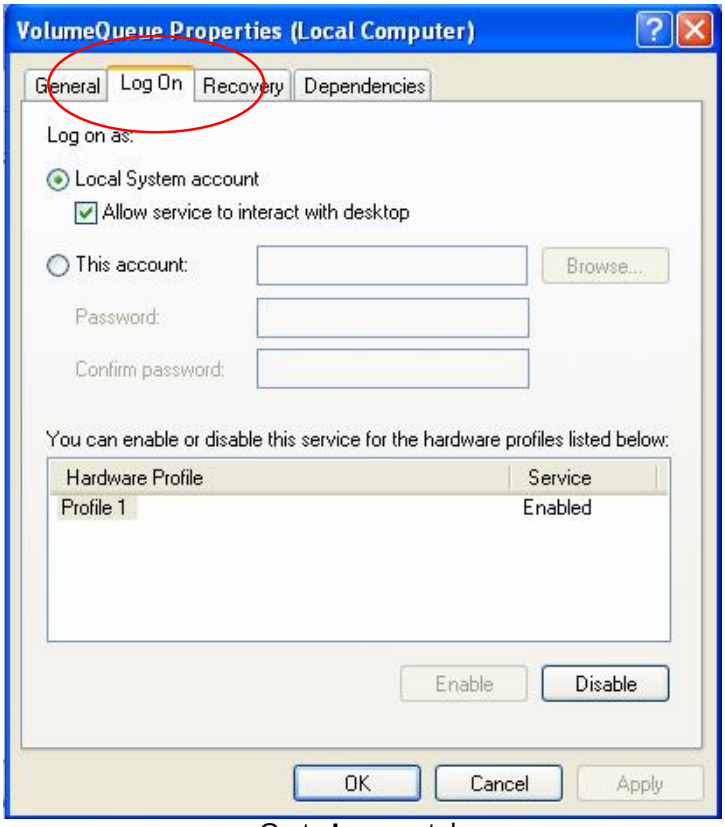


Double click on **Services**

3 – Double-click on VolumeQueue, go to “**Log On**” tab

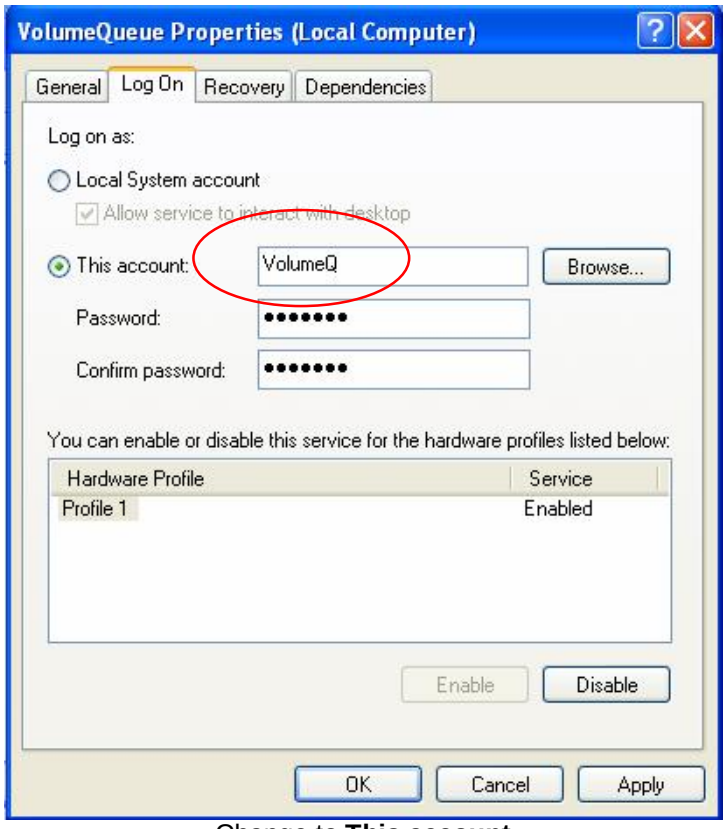


Double click on **VolumeQueue** or
Right click on **VolumeQueue**
Click on **Properties**



Go to **Log on** tab

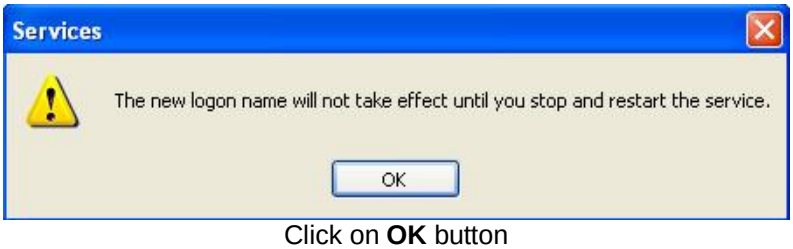
4 – Change from “Local System account/Allow service to interact with desktop” to “This account”. Fill with: VolumeQ and password : VolumeQ, confirm password : VolumeQ.



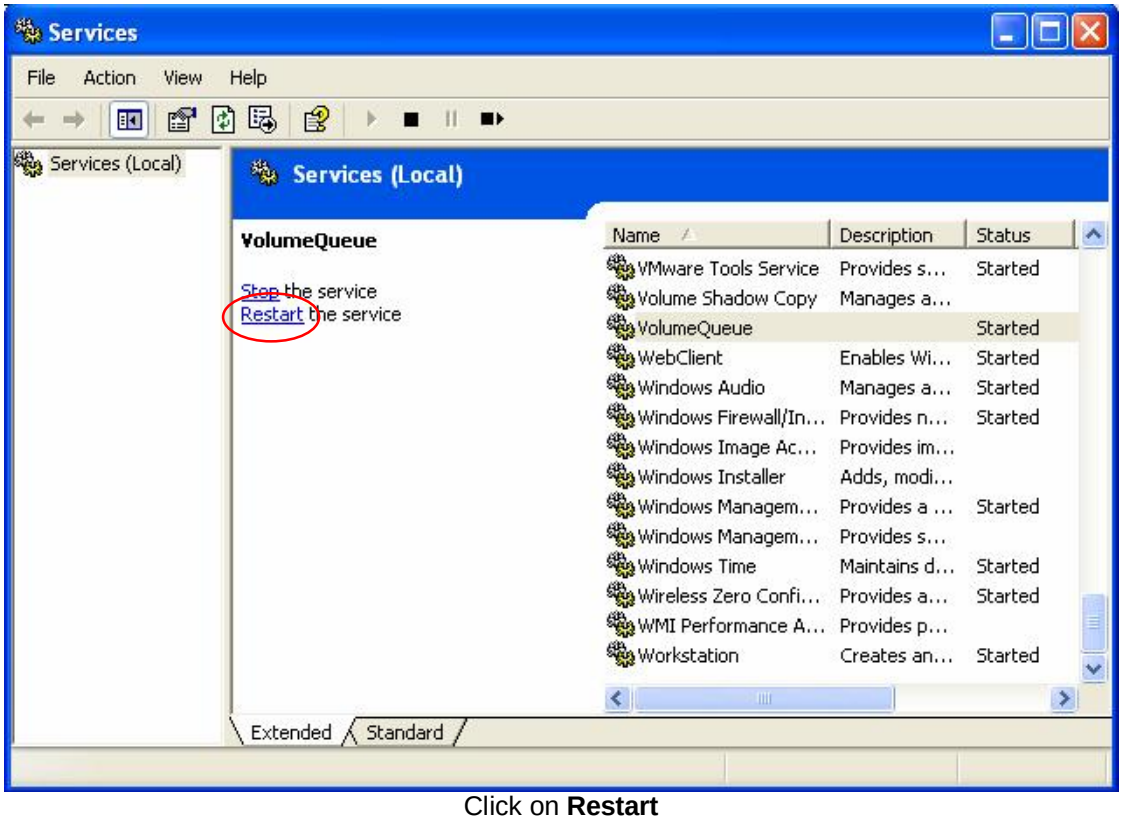
Change to **This account**
Set **VolumeQ**
Set password : **VolumeQ** and confirm password : **VolumeQ**



Click on **OK** button



Click on **OK** button



Click on **Restart**



Wait for the service to restart

Note: *Why do we need to create another user and not using the practitioner local user ?*

A – Most of the time, local users in small practice don't have a password and in this process Windows makes it mandatory to have a password.

B – If the local user does have a password, you won't have to create a specific VolumeQ user for this process, you can use the local user and the password associated.

The downside of this method is every time the local user password is changed then it also needs to be changed in this process. Creating our own and specific user for the purpose of this process would allow us not to care about this.

B.2 – DOMAIN Network

If the network is a DOMAIN network then the VolumeQueue service must be modified.

VolumeQueue service modification process :

1 – Go in **Services** through **Control Panel/Administrative Tools/Services**

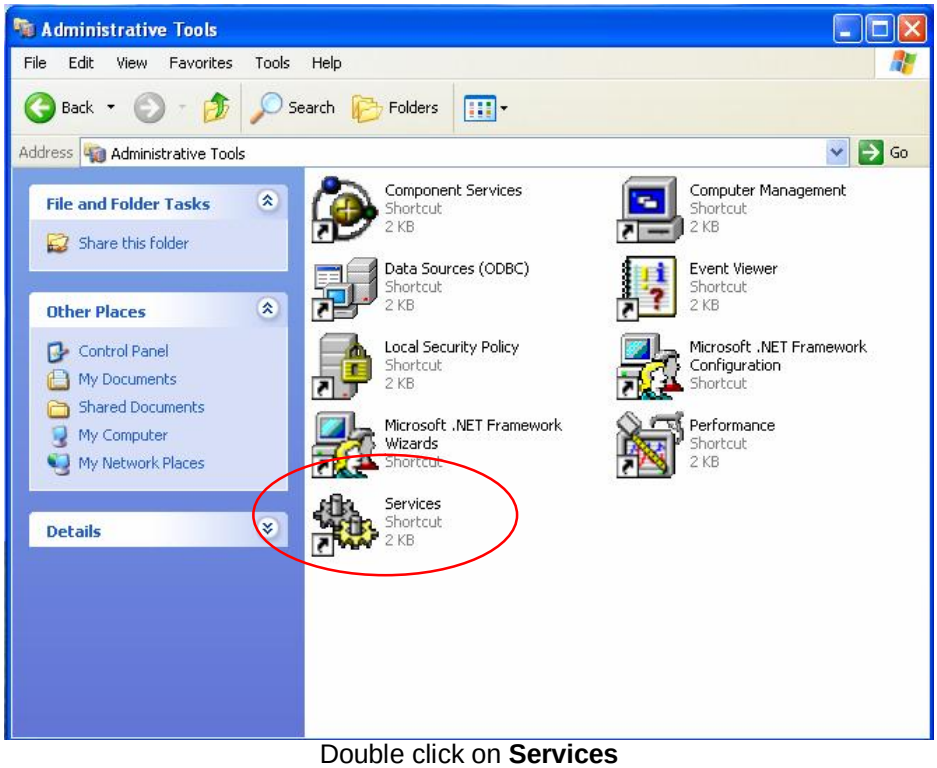
2 – Double-click on **VolumeQueue**, go to "**Log On**" tab

3 – Change from "**Local System account/Allow service to interact with desktop**" to "**This account**". Fill with: DomainName\UserName and password : UserPassword, confirm password : UserPassword.

IMPORTANT : you have to fill with the Domain name before the user name :
DomainName\UserName

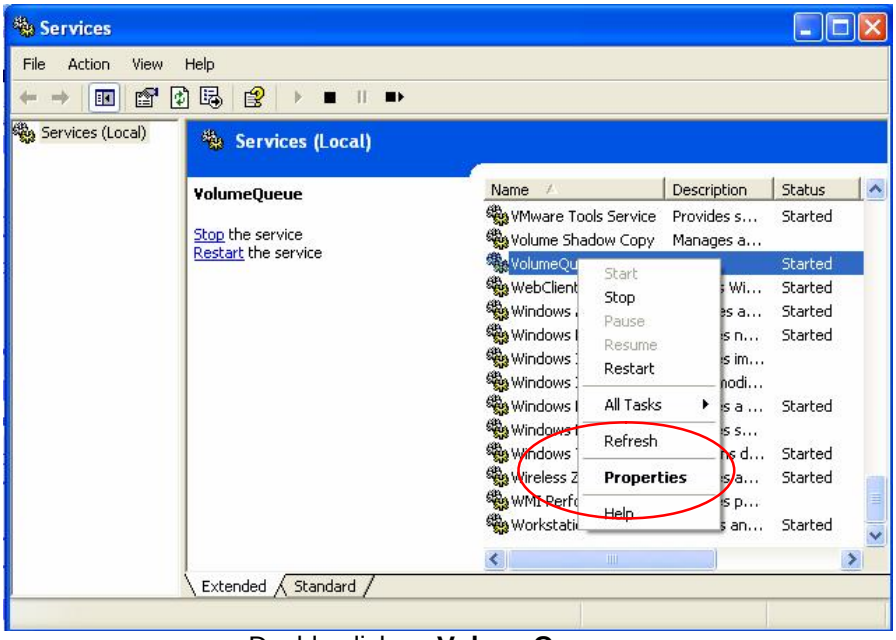
STEP-BY-STEP process

1 – Go in **Services** through **Control Panel/Administrative Tools/Services**

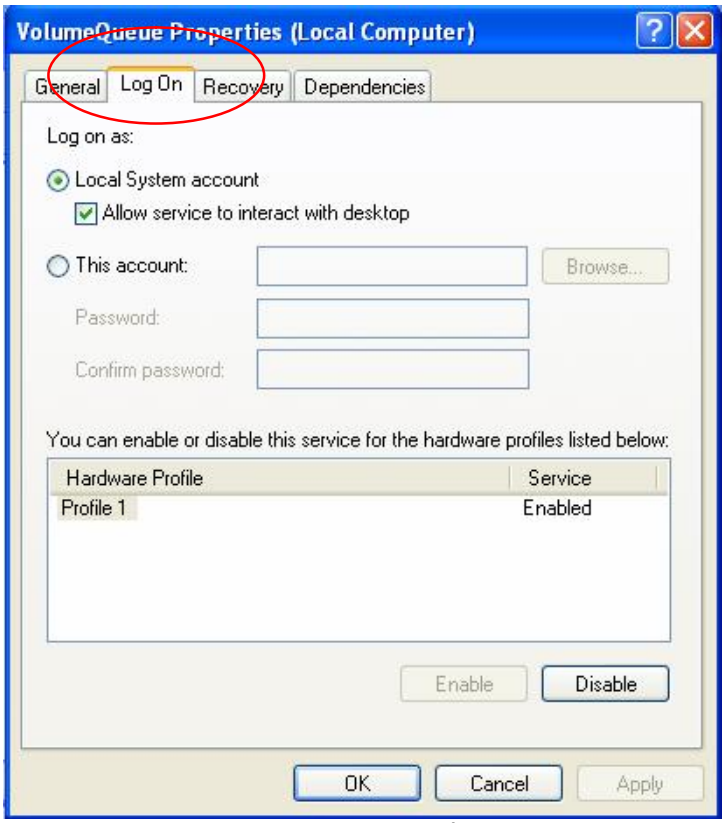


Double click on **Services**

2 – Double-click on VolumeQueue, go to “**Log On**” tab



Double click on **VolumeQueue** or
Right click on **VolumeQueue**
Click on **Properties**

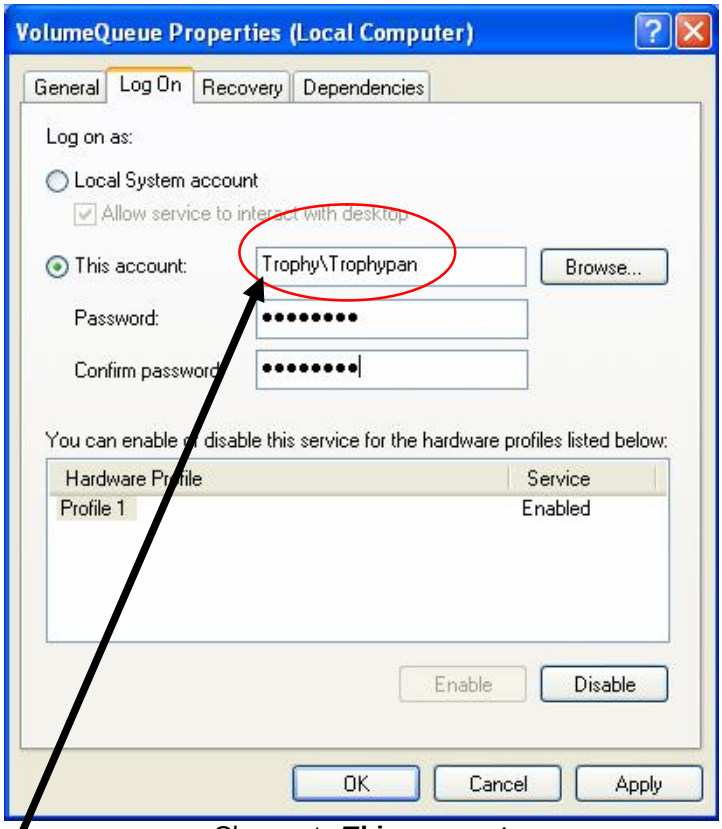


Go to **Log on** tab

3 – Change from “Local System account/Allow service to interact with desktop” to “This account”. Fill with: Trophy\Trophypan and password : password, confirm password : password.

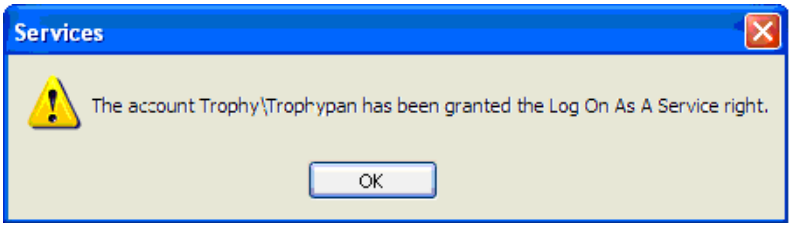
In this example, we assume that

- Trophy is the DOMAIN name
- Trophypan is a DOMAIN user and password is Trophypan user password !

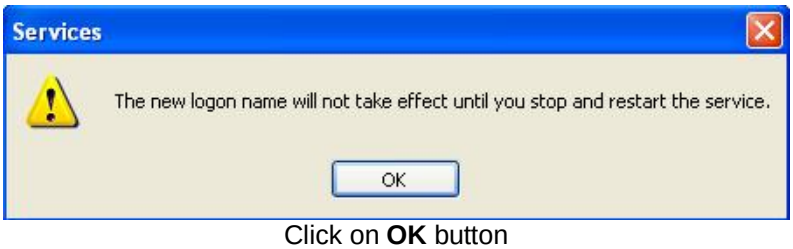


Change to **This account**
Set **Trophy\Trophypan**
Set password : **password** and confirm password : **password**

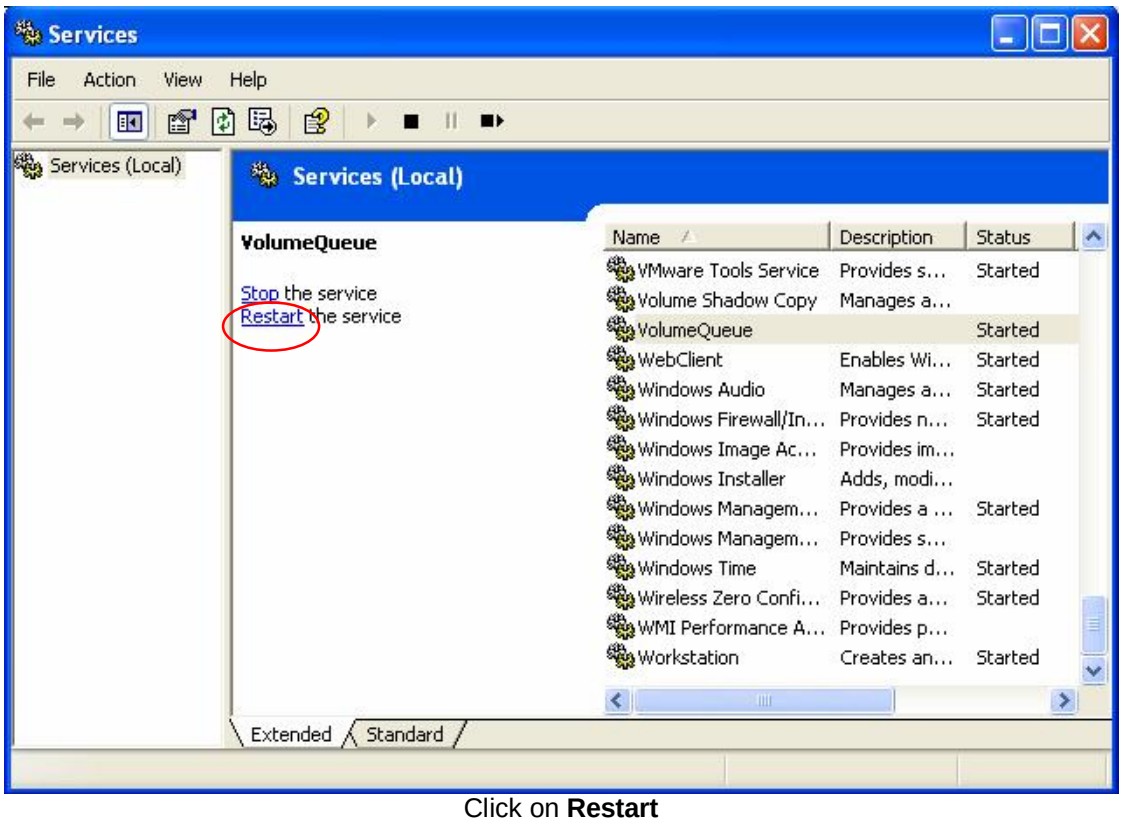
IMPORTANT : you have to fill with the Domain name before the user name : **DomainName**\UserName



Click on **OK** button



Click on **OK** button



Click on **Restart**



Wait for the service to restart

Note: *Why don't we create a specific VolumeQ user as for the WORKGROUP process?*

A – Most of the time, users in a DOMAIN network have a password

B – DOMAIN Administrators are reluctant to create too many users.

C – The downside of this method is every time the user password is changed, then it also needs to be changed in this process.

Of course, if the DOMAIN Administrator agrees to create a VolulmeQ user then we will use it.

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