

# Samba como grupo de trabajo

**Por:** John A. Pérez B. ~ 20186748



Este tutorial es un extracto del siguiente  
video:

<https://youtu.be/t0Odw49udso>

# Configuración

Primero instalamos los paquetes de samba, con el comando **yum**  
**install -y samba\***



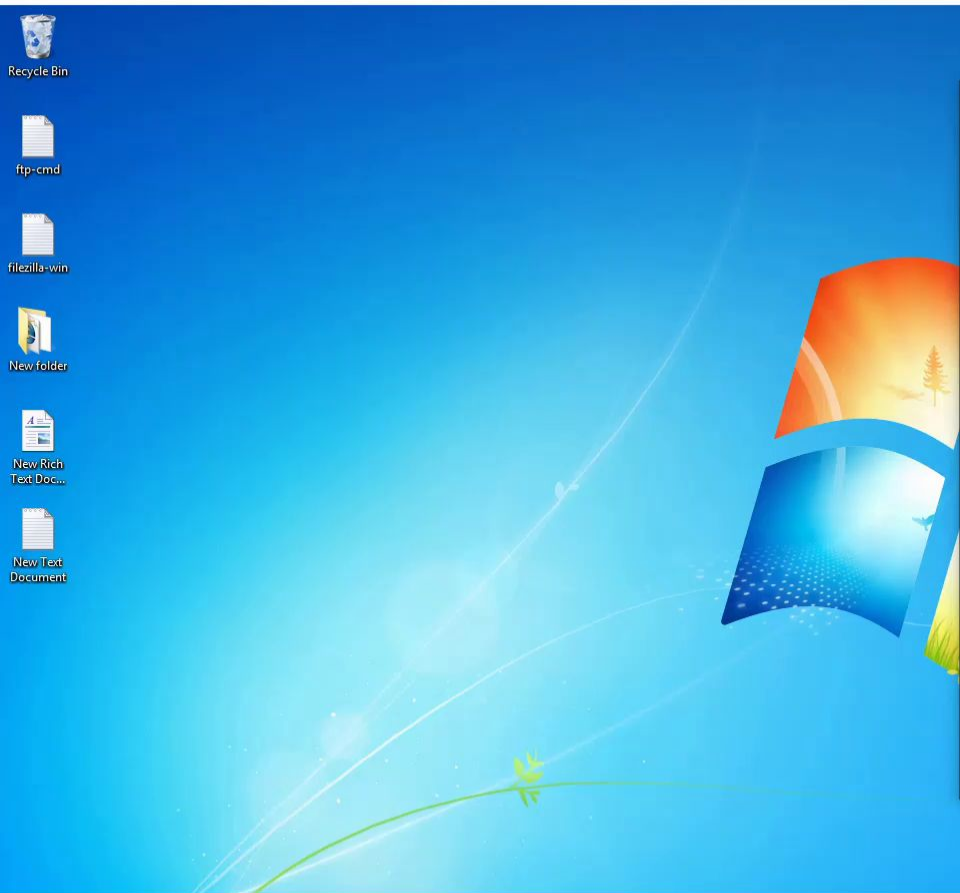
centOs-server-20186748 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

[root@centos-server ~]# yum install -y samba\*



Luego permitimos el servicio de samba en el firewall con el comando  
**firewall-cmd --add-service=samba --zone=public**



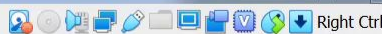
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root@centos-server ~# firewall-cmd --add-service=samba --zone=public \_



Right Ctrl



Abrimos el archivo de configuración que se encuentra en **/etc/samba**,  
llamado **smb.conf**





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[root@centos-server ~]# vi /etc/samba/smb.conf\_



En el archivo de configuración definimos el nombre de nuestro grupo de trabajo con la opción **workgroup**, asignamos el nombre con el que aparecerá el servidor en la red con la opción **netbios name**, y en **hosts allow** definimos la red desde donde se permite la conexiones a nuestro grupo de trabajo



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```
# See smb.conf.example for a more detailed config file or
# read the smb.conf manpage.
# Run 'testparm' to verify the config is correct after
# you modified it.
```

```
[global]
workgroup = SMB
security = user
netbios name = CENTOSERVER
passdb backend = tdbsam
hosts allow = 192.168.1.
printing = cups
printcap name = cups
load printers = yes
cups options = raw
```

```
[homes]
comment = Home Directories
valid users = %S, %D/%S
browseable = No
read only = No
inherit acls = Yes
```

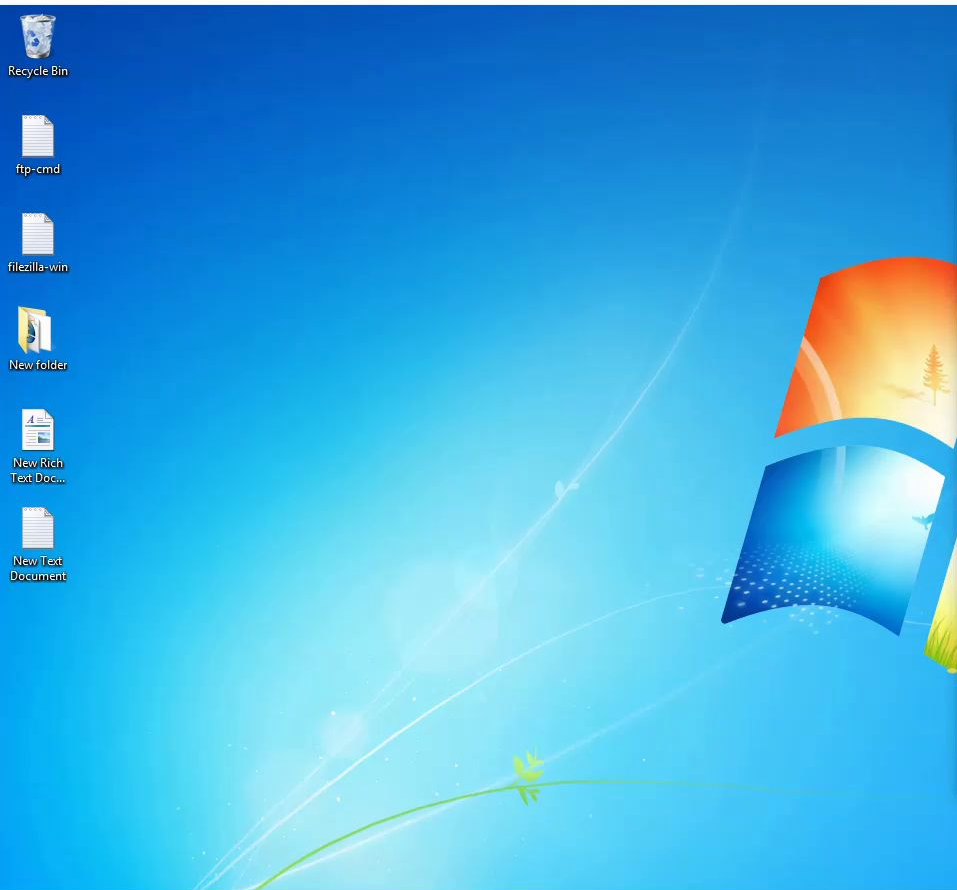
```
[printers]
comment = All Printers
path = /var/tmp
printable = Yes
create mask = 0600
browseable = No
```

```
[print$]
comment = Printer Drivers
path = /var/lib/samba/drivers
write list = @printadmin root
force group = @printadmin
create mask = 0664
```

```
-- INSERT --
```



Ejecutamos el comando **testparm** para verificar que todo se haya configurado correctamente



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```
[root@centos-server ~]# testparm
rlimit_max: increasing rlimit_max (1024) to minimum Windows limit (16384)
Registered MSG_REQ_POOL_USAGE
Registered MSG_REQ_DMALLOC_MARK and LOG_CHANGED
Load smb config files from /etc/samba/smb.conf
rlimit_max: increasing rlimit_max (1024) to minimum Windows limit (16384)
Processing section "[homes]"
Processing section "[printers]"
Processing section "[print$]"
Loaded services file OK.
Server role: ROLE_STANDALONE
```

Press enter to see a dump of your service definitions

-



Agregamos un nuevo usuario con **adduser**, y luego de definir una contraseña lo agregamos a los usuarios permitidos en samba con **smbpasswd -a [usuario]**, y luego lo habilitamos con **smbpasswd -e [usuario]**



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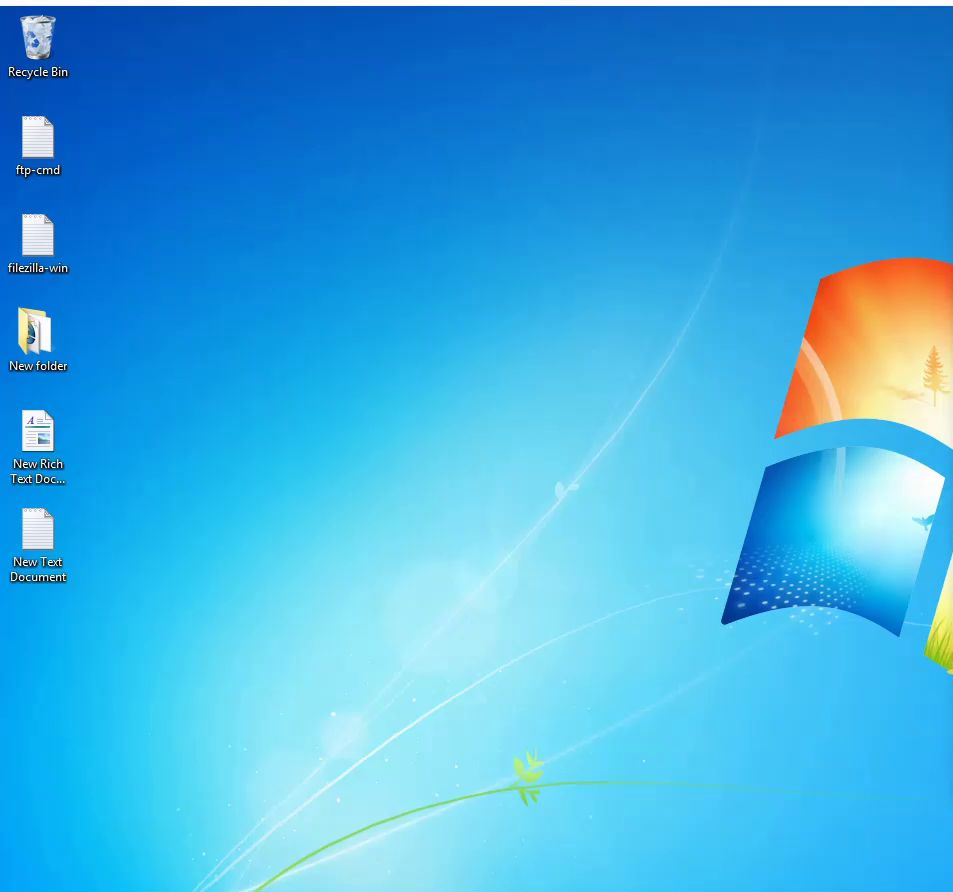
File Machine View Input Devices Help

```
[root@centos-server ~]# adduser win-smb
[root@centos-server ~]# passwd win-smb
Changing password for user win-smb.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@centos-server ~]# smbpasswd win-smb
New SMB password:
Retype new SMB password:
Failed to find entry for user win-smb.
[root@centos-server ~]# smbpasswd win-smb
New SMB password:
Retype new SMB password:
Failed to find entry for user win-smb.
[root@centos-server ~]# smbpasswd -a win-smb
New SMB password:
Retype new SMB password:
Added user win-smb.
[root@centos-server ~]# smbpasswd -e win-smb
Enabled user win-smb.
[root@centos-server ~]# _
```



Con **chcon -Rt samba\_share\_t [directorio]** permitimos que el usuario pueda usar el directorio como directorio compartido por samba, y con **chmod [permisos] [directorio]** colocamos los permisos para cada grupo de usuarios





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```
[root@centos-server ~]# chcon -Rt samba share_t /home/win-smb
[root@centos-server ~]# chmod 777 /home/win-smb
[root@centos-server ~]# _
```

Right Ctrl



Right Ctrl

4:58 PM 10/20/2019

Luego iniciamos los servicios con **systemctl start smb nmb**, y lo  
habilitamos para iniciar con el sistema con  
**systemctl enable smb nmb**



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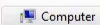
```
[root@centos-server ~]# systemctl start smb nmb
[root@centos-server ~]# systemctl enable smb nmb
Created symlink from /etc/systemd/system/multi-user.target.wants/smb.service to /usr/lib/systemd/system/smb.service.
Created symlink from /etc/systemd/system/multi-user.target.wants/nmb.service to /usr/lib/systemd/system/nmb.service.
[root@centos-server ~]# _
```

Right Ctrl



**Agregando nuestro  
cliente al grupo de  
trabajo**

En mi pc damos clic derecho y luego clic en propiedades



CLIENT-PC Workgroup: WORKGROUP Memory: 1.00 GB  
Processor: Intel(R) Core(TM) i5-82...



Luego damos clic en cambiar configuraciones



Control Panel &gt; System and Security &gt; System

Control Panel Home

View basic information about your computer

Device Manager

Remote settings

System protection

Advanced system

Windows edition

**System Properties**

Computer Name | **Hardware** | Advanced | System Protection | Remote

Windows uses the following information to identify your computer on the network.

Computer description:

For example: "Kitchen Computer" or "Mary's Computer".

Full computer name: client-PC

Workgroup: WORKGROUP

To use a wizard to join a domain or workgroup, click Network ID...

To rename this computer or change its domain or workgroup, click Change...

OK Cancel Apply

Windows is activated

Product ID: 00426-OEM-8992662-00006

See also

Action Center

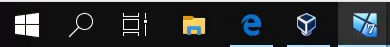
Windows Update

Performance Information and Tools

Change settings

  
Learn more online...5:00 PM  
10/20/2019

Right Ctrl



5:00 PM



En la ventana que nos aparece damos clic en cambiar, dentro de la opción renombrar este computador o cambiar de dominio o grupo de trabajo



Control Panel &gt; System and Security &gt; System

Control Panel Home

View basic information about your computer

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System Properties

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Windows Update

Performance Information and Tools

[Change settings](#)

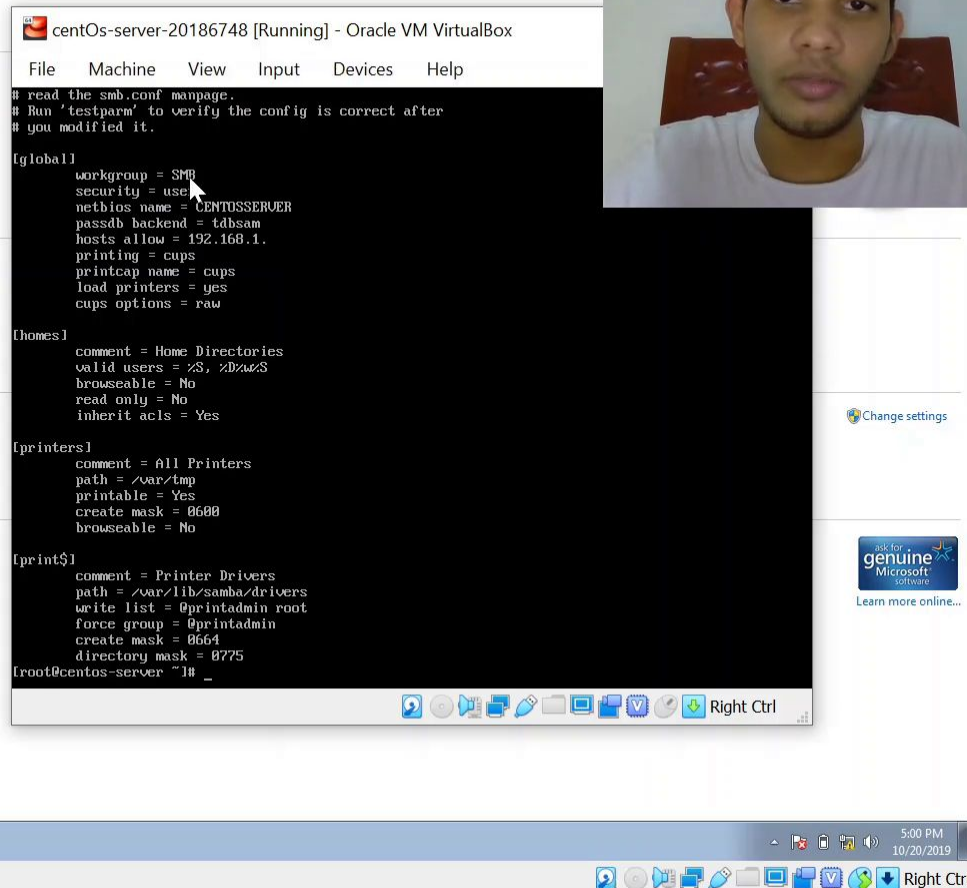
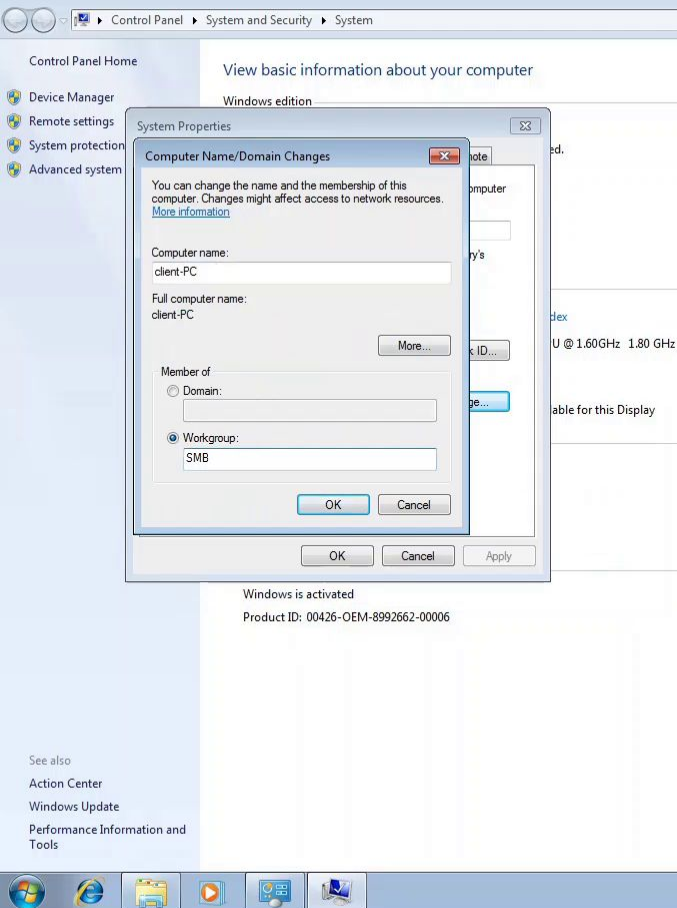
Learn more online...

5:00 PM  
10/20/2019

Right Ctrl

5:00 PM

En grupo de trabajos colocamos el nombre del grupo que definimos  
antes en el archivo de configuración



Una vez aceptemos los cambios se nos pedirá reiniciar el computador para aplicarlos

Control Panel Home

View basic information about your computer

Windows edition

System Properties

Computer Name/Domain Changes

You can change the name and the membership of this computer. Changes might affect access to network resources.  
[More information](#)

Computer name:  
client-PC

Full computer name:  
client-PC

More...

Member of

☐ Domain:

☒ Workgroup:  
SMB

More...

OK Cancel

OK Cancel Apply


Windows is activated

Product ID: 00426-OEM-8992662-00006


See also

- Action Center
- Windows Update
- Performance Information and Tools

Computer Name/Domain Changes

 You must restart your computer to apply these changes

Before restarting, save any open files and close all programs.



 Change settings



Al dirigirnos a red deberíamos ver un nuevo dispositivo con el nombre de la **netbios** que asignamos en el archivo de configuración de samba



```
# read the smb.conf manpage.  
# Run 'testparm' to verify the config is correct after  
# you modified it.
```

```
[global]
```

```
workgroup = SMB  
security = user  
netbios name = CENTOSSERVER  
passdb backend = tdbsam  
hosts allow = 192.168.1.  
printing = cups  
printcap name = cups  
load printers = yes  
cups options = raw
```

```
[homes]
```

```
comment = Home Directories  
valid users = %S, %D/%S  
browseable = No  
read only = No  
inherit acls = Yes
```

```
[printers]
```

```
comment = All Printers  
path = /var/tmp  
printable = Yes  
create mask = 0600  
browseable = No
```

```
[print$]
```

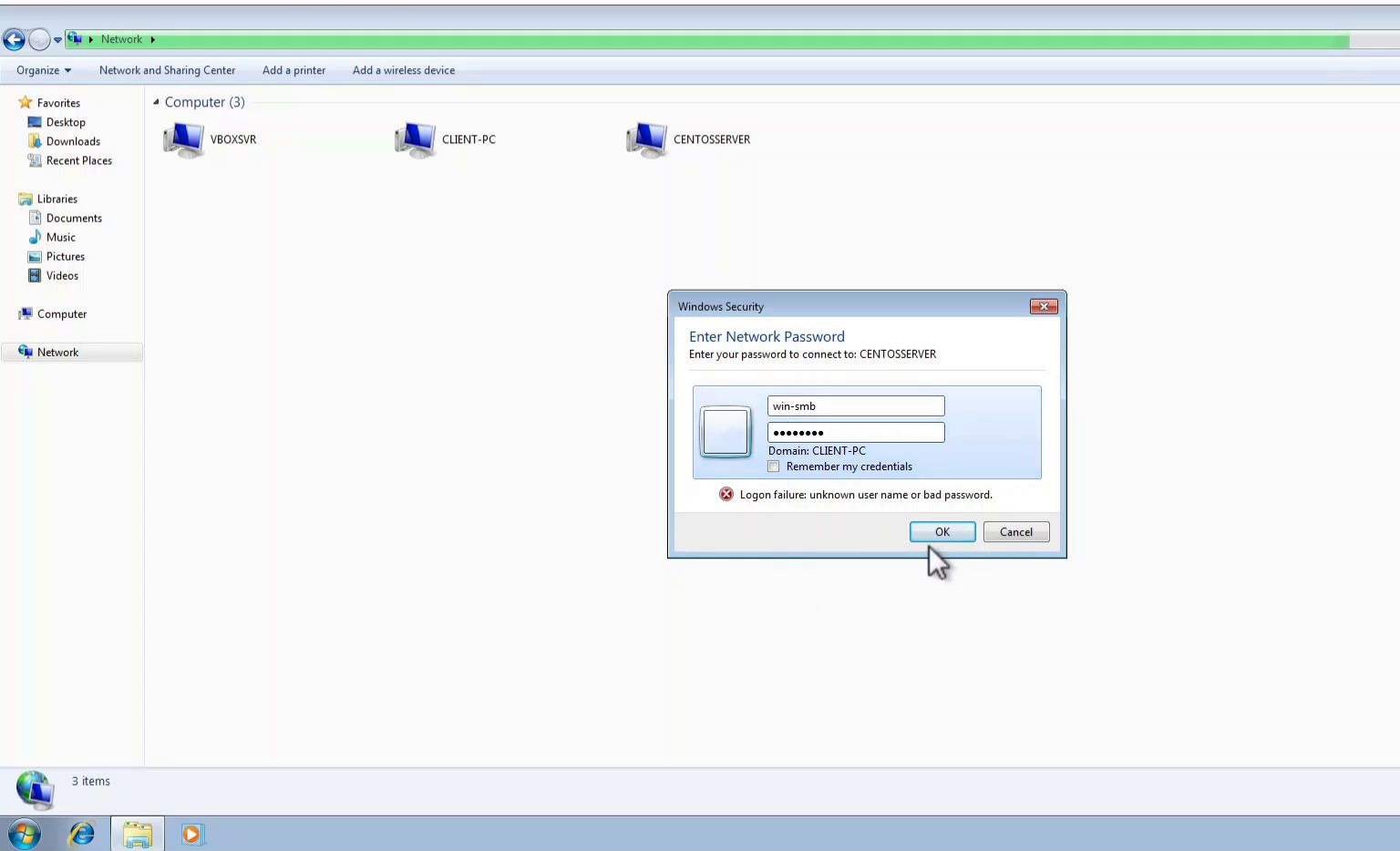
```
comment = Printer Drivers  
path = /var/lib/samba/drivers  
write list = @printadmin root  
force group = @printadmin  
create mask = 0664  
directory mask = 0775
```

```
[root@centos-server ~]# _
```





Al iniciar se nos pedirán las credenciales de usuario, por lo que colocamos las del usuario que habíamos creado



Ya si queremos podemos acceder a los archivos del usuario al que accedimos, los cuales se almacenan en el servidor. En el caso de establecer los permisos correspondiente también podremos editarlos

Network &gt; CENTOSSERVER &gt; win-smb

Organize

Open

New folder

- ★ Favorites
- Desktop
- Downloads
- Recent Places

- Libraries
- Documents
- Music
- Pictures
- Videos

Computer

Network

Name	Date modified	Type	Size
From_server	10/20/2019 5:04 PM	File	0 KB

## Open with

Choose the program you want to use to open this file.

File: From\_server

- Internet Explorer  
Microsoft Corporation
- Paint  
Microsoft Corporation
- Windows Media Player  
Microsoft Corporation
- WordPad  
Microsoft Corporation

☐ Always use the selected program to open this kind of file.

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-- INSERT --

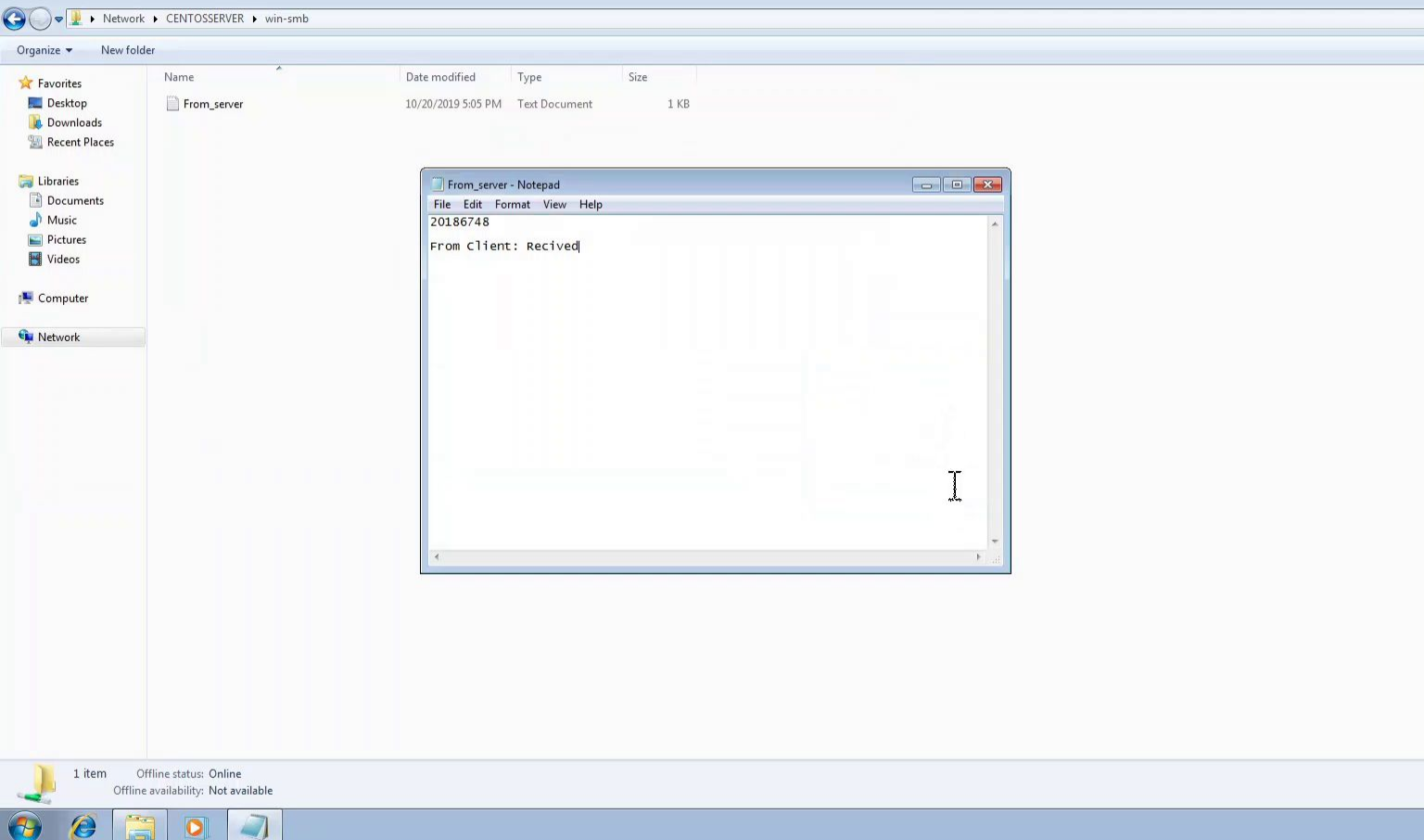
Right Ctrl

From\_server Date modified: 10/20/2019 5:04 PM Date created: 10/20/2019 5:04 PM Offline status: Online  
File Size: 0 bytes Offline availability: Not available



Right Ctrl

5:05 PM 10/20/2019



Si queremos compartir otro directorio usamos la misma sintaxis de samba simplemente colocamos el nombre entre corchetes, luego colocamos un comentario, la dirección del directorio, los usuarios con permiso para escribir y creamos una máscara para luego definir la máscara del directorio

Name	Date modified	Type	Size
From_server	10/20/2019 5:07 PM	Text Document	1 KB

From\_server Date modified: 10/20/2019 5:07 PM Date created: 10/20/2019 5:07 PM Offline status: Online  
Text Document Size: 31 bytes Offline availability: Not available



```
security = user
netbios name = CENTOSSERVER
passwd backend = tdbsam
hosts allow = 192.168.1.
printing = cups
printcap name = cups
load printers = yes
cups options = raw
```

```
[homes]
comment = Home Directories
valid users = %S, %D/%S
browseable = No
read only = No
inherit acls = Yes
```

```
[printers]
comment = All Printers
path = /var/tmp
printable = Yes
create mask = 0600
browseable = No
```

```
[print$]
comment = Printer Drivers
path = /var/lib/samba/drivers
write list = @printadmin root
force group = @printadmin
create mask = 0664
directory mask = 0775
```

```
[SMBshare1]
comment = File
path = /home/win-smb
write list = win-smb
create mask = 0664
directory mask = 0775
```



Al actualizar el directorio principal deberíamos ver el directorio que acabamos de compartir



