

GNU/Linux, software libre para la comunidad universitaria

# Samba, compartiendo archivos e impresoras con MS Windows

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# Introducción

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- Concepto.
- SMB (Server Message Block).
- Ports a otros Sistemas Operativos.



# Compilación del kernel

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- MSDOS fs support.
- VFAT (Windows 95) fs support.
- SMB file system support.
- CIFS support.



# Lanzar Samba

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- Daemon smbd.
- Daemon nmbd.
- /etc/init.d/smb start | stop | restart | status
- /etc/init.d/nmb start | stop | restart | status
- Lanzamiento de Samba desde YaST.



# Seguridad

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- Cuentas de usuario en GNU/Linux.
- Conexión autenticada.
- smbpasswd...



# La utilidad smbpasswd

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- El fichero /etc/samba/smbpasswd
- El parámetro encrypt passwords.
- smbpasswd -a <usuario>
- smbpasswd <usuario>



# Conexión de una máquina cliente Windows

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- Modificación de la sección [homes] del smb.conf
- browseable = yes
- comment = <texto>
- directory = /home/%U





# La utilidad swat

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- Samba Web Administration Tool:
  - Activación del servicio swat (inetd) desde YaST.
  - Modificación de /etc/xinet.d/swat
  - <http://<host>:901>



# Configuración de Samba

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- El archivo `/etc/samba/smb.conf`
- Secciones global, homes y printers
- La utilidad `testparm`
- La utilidad `smbstatus`



# Variables utilizables en el smb.conf

---

- %u
- %U
- %v
- %l



# Sección [global]

---

- workgroup = <grupo\_trabajo>
- encrypt passwords = <yes> | <no>
- server string = <texto>
- netbios name = <nombre\_máquina>



# Sección [homes]

---

- create mode = <máscara>
- browseable = yes
- comment = <texto>
- path = <ruta>



# Optimización de Samba

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- Directorio /usr/share/doc/packages/samba



# Compartiendo una unidad Windows con máquinas Linux

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- La utilidad smbclient
- `mount -t smb -o username=<usuario> <ruta> <punto_montaje>`
- La utilidad smbmount



# Compartiendo una impresora Windows con máquinas Linux

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- Impresora correctamente instalada en MS Windows.
- Compartir la impresora desde MS Windows.
- Desde YaST, activar la impresión SMB.





# Compartiendo una impresora Linux con máquinas Windows

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- Impresora correctamente instalada en GNU/Linux.
- Sistema de impresión CUPS.
- Sección printers del `/etc/samba/smb.conf`
- Instalación del driver de impresión sobre MS Windows.



Fin



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