

Yolanda Alberola Martínez

Raid 5 en Freenas

Freenas VMWare

contraseña root → yolanda

otro usuario yolanda → yolanda

Paginas de ayuda

Como instalar Freenas

→

<http://drivemeca.blogspot.com.es/2013/05/como-instalar-freenas-paso-paso.html>

<http://www.configurarequipos.com/doc1293.html>

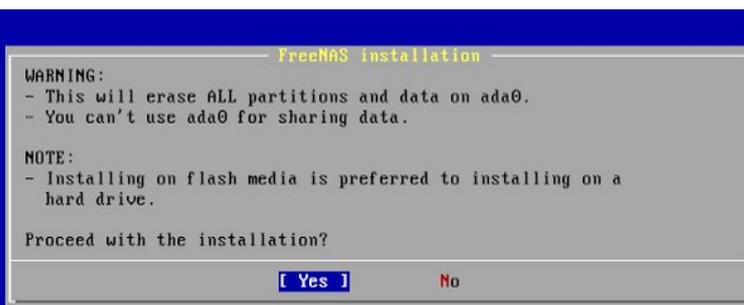
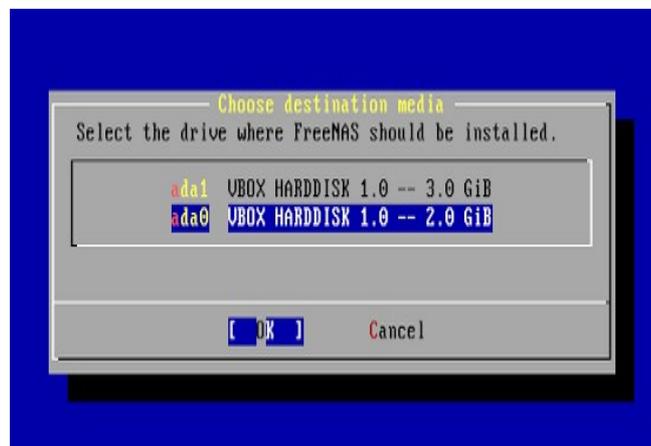
<http://www.freenas.org/download-freenas-release.html>

<http://www.redeszone.net/2013/02/11/freenas-manual-de-instalacion-y-configuracion/>

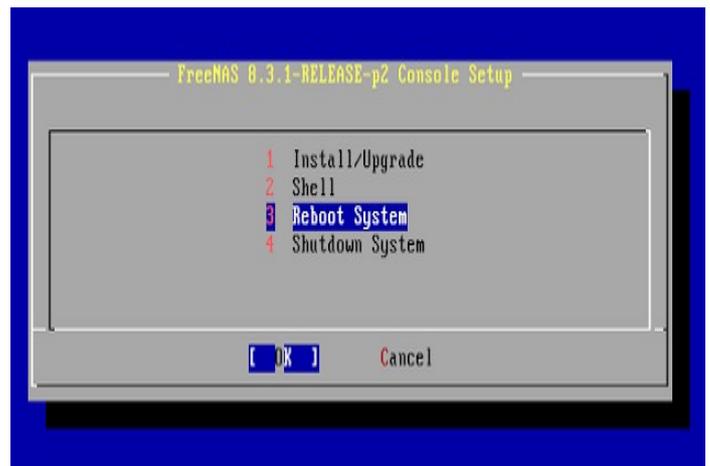
<http://m.forocoches.com/foro/showthread.php?t=2450906>



En nuestro caso VMware



```
install_worker.sh: pre-install summary
install_worker.sh: WARNING: not enough RAM (512094208 < 1073741824)
File Sanity Check -> OK
/cdrom/FreeNAS-x64.img.xz (1/1)
99.5 % 81.5 MiB / 916.6 MiB = 0.089 31 MiB/s 0:29 1 s
```



```
Mon Mar 31 09:54:56 PDT 2014
FreeBSD/amd64 (freenas.local) (ttyv0)

Console setup
-----
1) Configure Network Interfaces
2) Configure Link Aggregation
3) Configure ULAN Interface
4) Configure Default Route
5) Configure Static Routes
6) Configure DNS
7) Reset WebGUI login credentials
8) Reset to factory defaults
9) Shell
10) Reboot
11) Shutdown

You may try the following URLs to access the web user interface:
http://192.168.1.23
Enter an option from 1-11: █
```

admin root
contraseña de freenas yolanda

Realizar raid 5

freenas

<http://www.sysprobs.com/guide-install-freenas-8-virtualbox-4>

<http://informatica.iesvalledeljertepalencia.es/wordpress/la-instalacion-de-freenas-9-1-1-en-virtualbox-2/>

192.168.1.23 contraseña yolanda

FreeNAS®

System Network Storage Sharing Services Plugins Jails Reporting

expand all collapse all

- Account
- System
- Network
- Storage
- Sharing
- Services
- Plugins
- Jails
- Reporting
- Display System Processes
- Shell
- Reboot
- Shutdown

Settings System Information

System Information

Hostname	freenas.local	Edit
Build	FreeNAS-9.2.1.3-RELEASE-x64 (dc0c46b)	
Platform	Intel(R) Core(TM)2 Duo CPU P8400 @ 2.26GHz	
Memory	1003MB	
System Time	Mon Mar 31 09:56:52 PDT 2014	
Uptime	9:56AM up 3 mins, 0 users	
Load Average	0.77, 0.63, 0.30	

Realizar discos duros en VmWare

Virtual Machine Settings

Hardware Options

Device	Summary
Memory	1 GB
Processors	1
Hard Disk (SCSI)	40 GB
New Hard Disk (S...)	20 GB
CD/DVD (IDE)	Using file C:\Users\Yoli\Desktop\F...
Floppy	Auto detect
Network Adapter	Bridged (Automatic)
USB Controller	Present
Sound Card	Auto detect
Display	Auto detect

Add... Remove

Add Hardware Wizard

Hardware Type

What type of hardware do you want to install?

Hardware	Explanation
<input checked="" type="radio"/> Hard Disk	Add a hard disk.
<input type="radio"/> CD/DVD Drive	
<input type="radio"/> Floppy Drive	
<input type="radio"/> Network Adapter	
<input type="radio"/> USB Controller	
<input type="radio"/> Sound Card	
<input type="radio"/> Parallel Port	
<input type="radio"/> Serial Port	
<input type="radio"/> Printer	
<input type="radio"/> Generic SCSI Device	

< Back Next > Cancel

Add Hardware Wizard

Select a Disk

Which disk do you want to use?

Disk

Create a new virtual disk

A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.

Use an existing virtual disk

Choose this option to reuse a previously configured disk.

Use a physical disk (for advanced users)

Choose this option to give the virtual machine direct access to a local hard disk.

< Back Next > Cancel

Add Hardware Wizard

Select a Disk Type

What kind of disk do you want to create?

Virtual disk type

IDE

SCSI (Recommended)

Mode

Independent

Independent disks are not affected by snapshots.

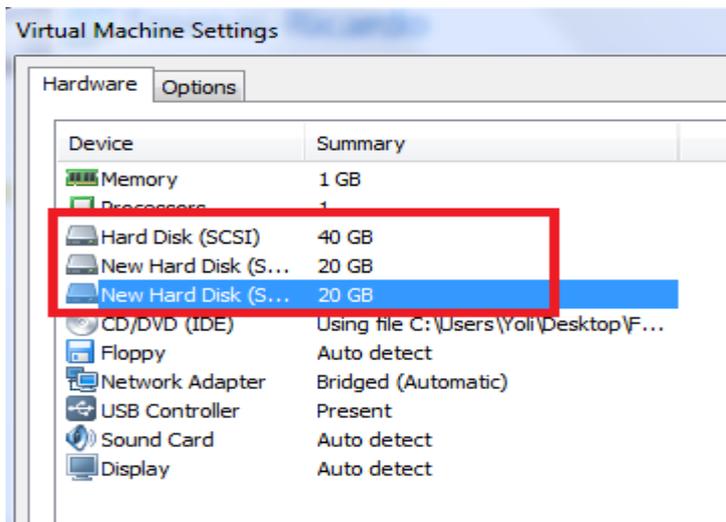
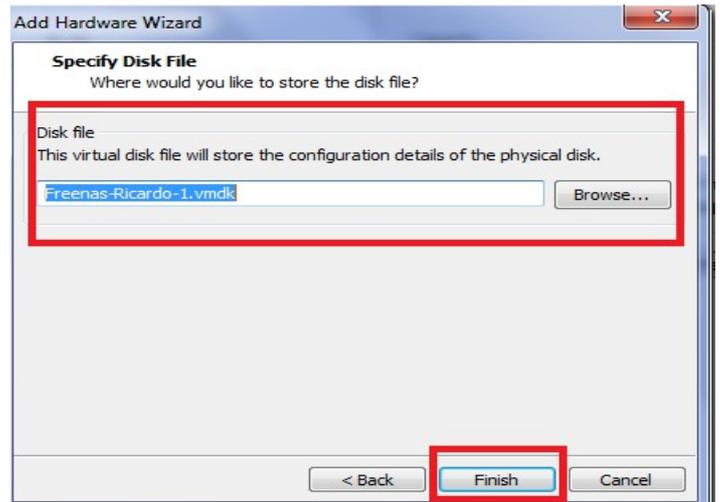
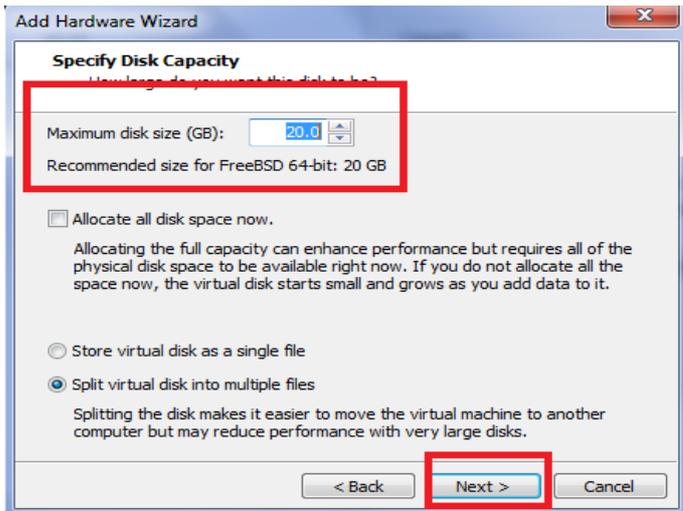
Persistent

Changes are immediately and permanently written to the disk.

Nonpersistent

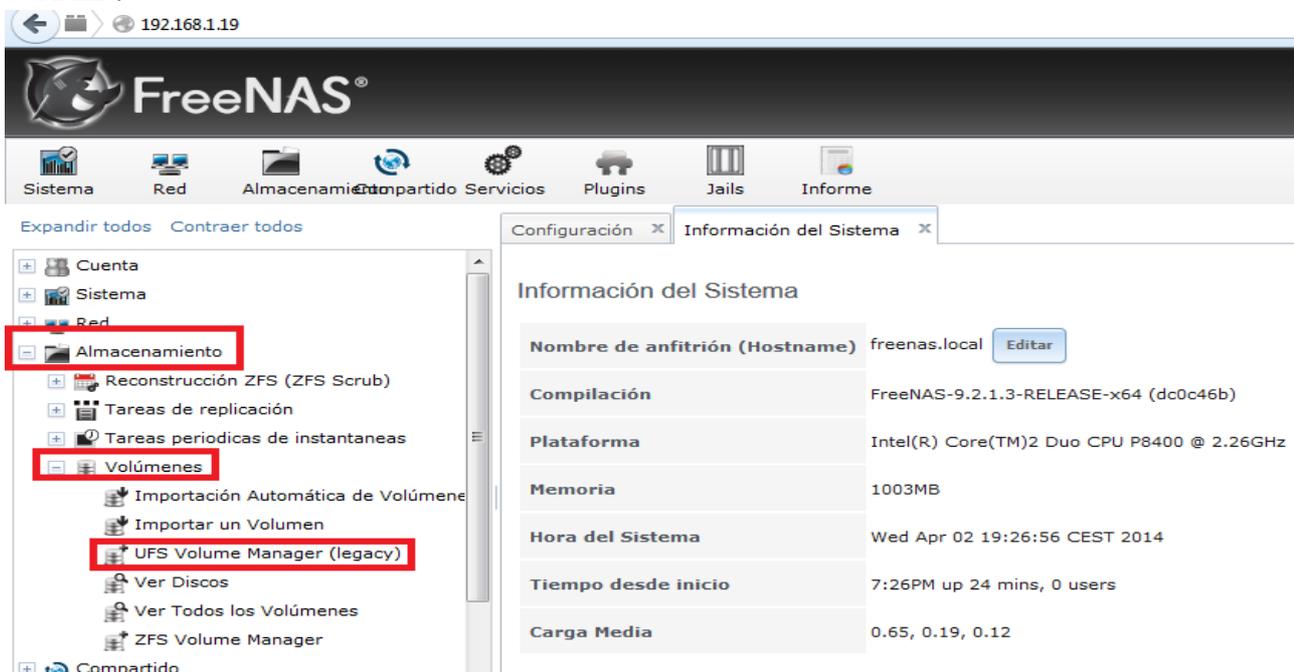
Changes to the disk are discarded when you power off or restore a snapshot.

< Back Next > Cancel

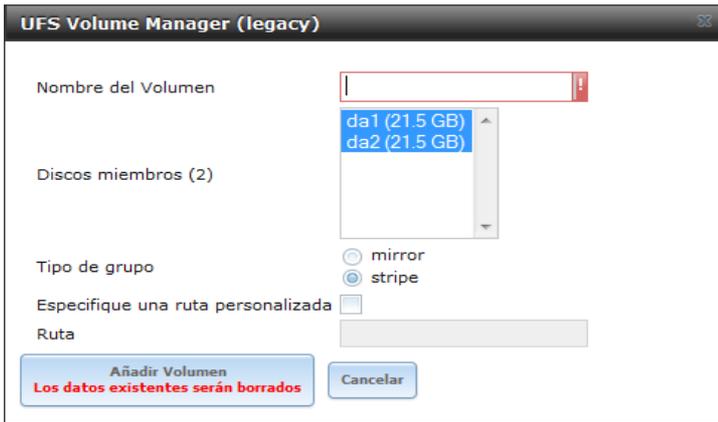


<http://www.redeszone.net/2013/02/11/freenas-manual-de-instalacion-y-configuracion/>

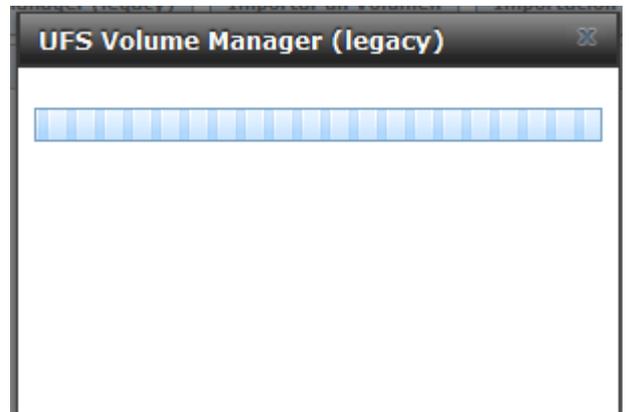
nos vamos al apartado de Almacenamiento -> Volúmenes -> Editor de volúmenes para hacer el RAID:



Si seleccionamos a Editor de volúmenes,



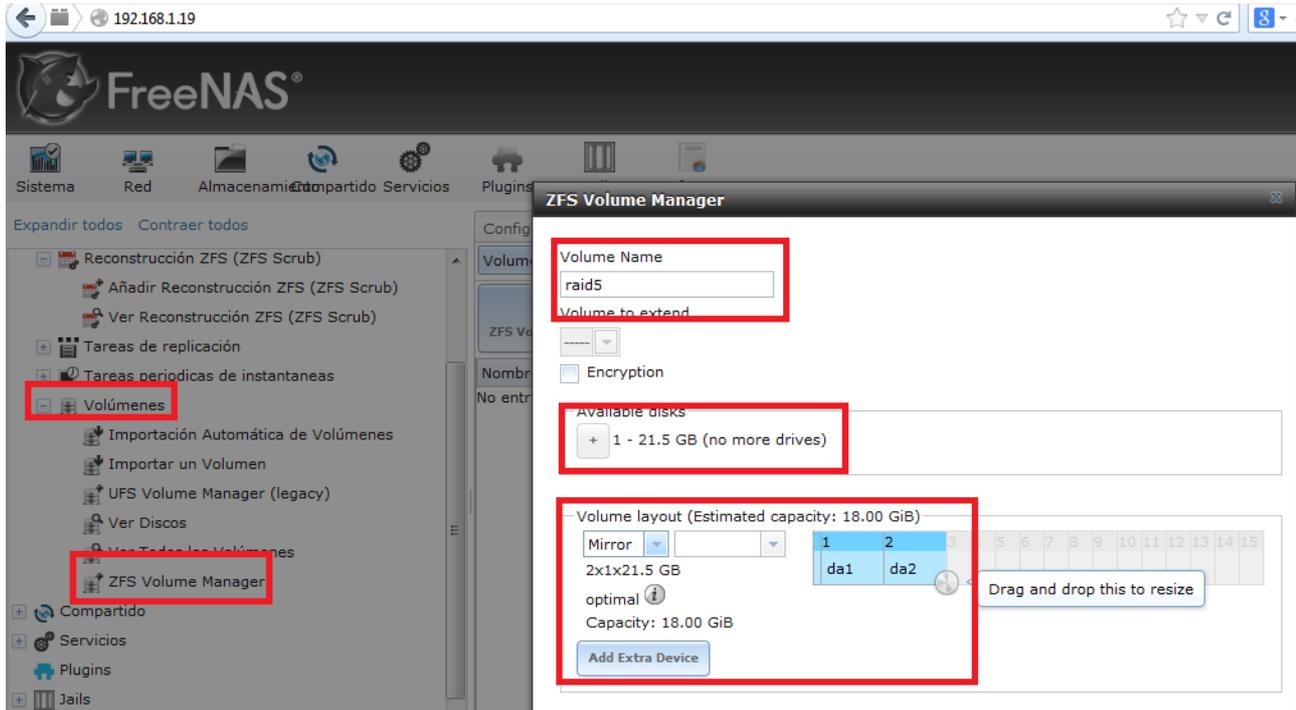
Escribimos el nombre que queremos, seleccionamos los 3 discos, marcamos ZFS, y el tipo de RAID seleccionamos RAID-Z:
En nuestro caso elegimos los dos disco y marcamos stripe



Volúmenes Activos Instantánea ZFS Tareas periódicas de instantáneas Replicación ZFS

Nombre	Usado	Disponibile	Tamaño	Compression	Compression Ratio	Estado
raid5	8.0 KiB (8%)	35.6 GiB	38.7 GiB	-	-	HEALTHY

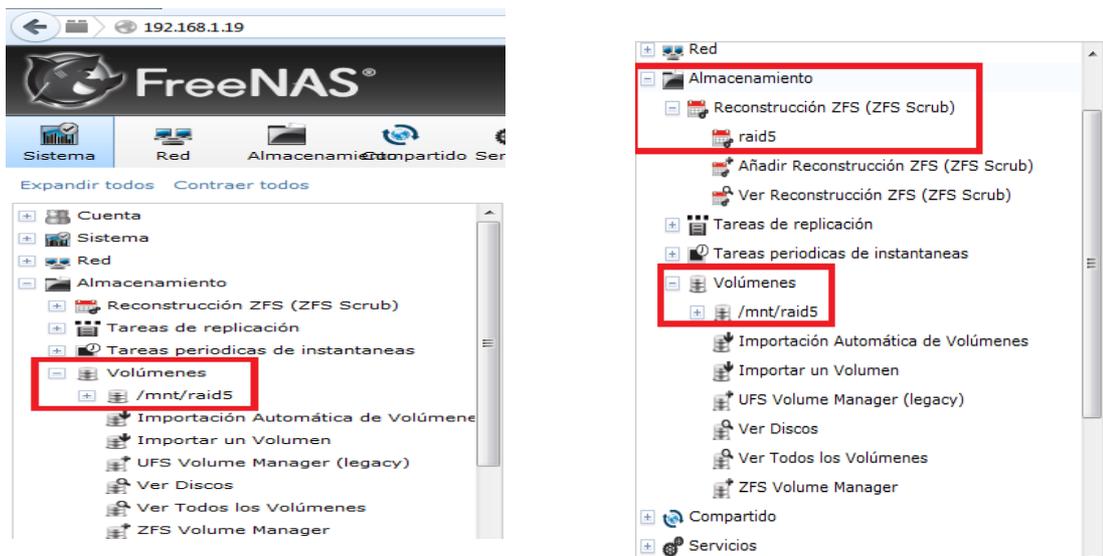
Lo realizamos volúmenes → zfs volumen manager



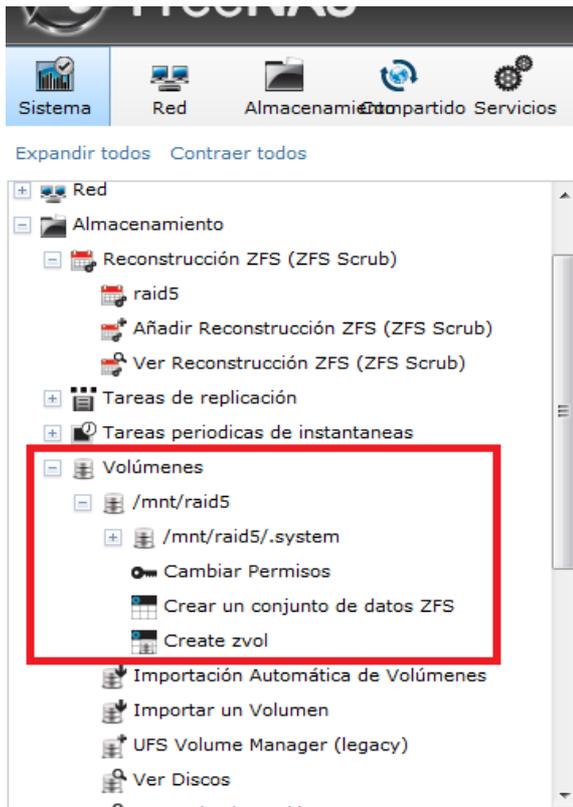
ZFS Volume Manager



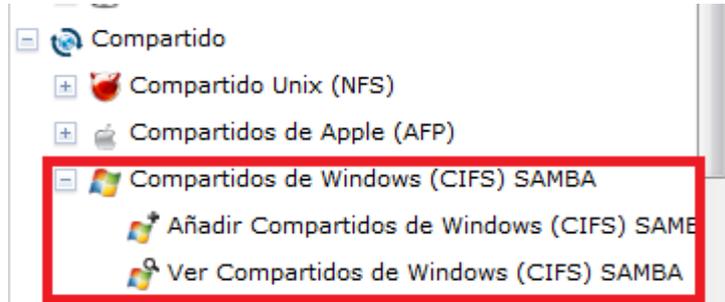
Una vez le hemos dado a “Añade volumen”, abajo a la izquierda, nos quedaría así:



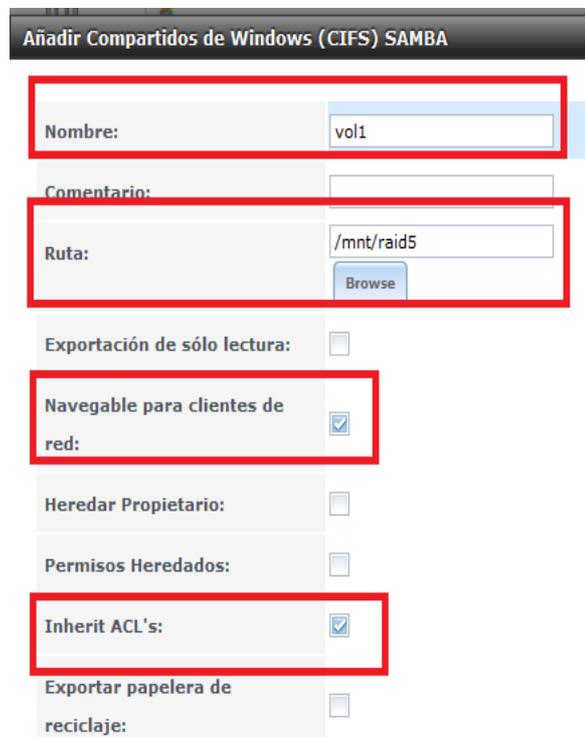
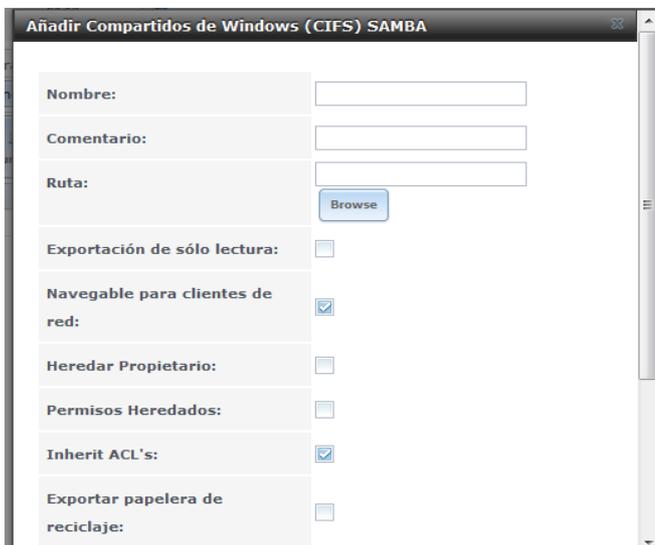
Ahora, nos vamos a la [parte](#) de abajo de esa misma columna (Compartido -> Compartidos de Windows (CIFS) SAMBA) y nos encontramos con esto:



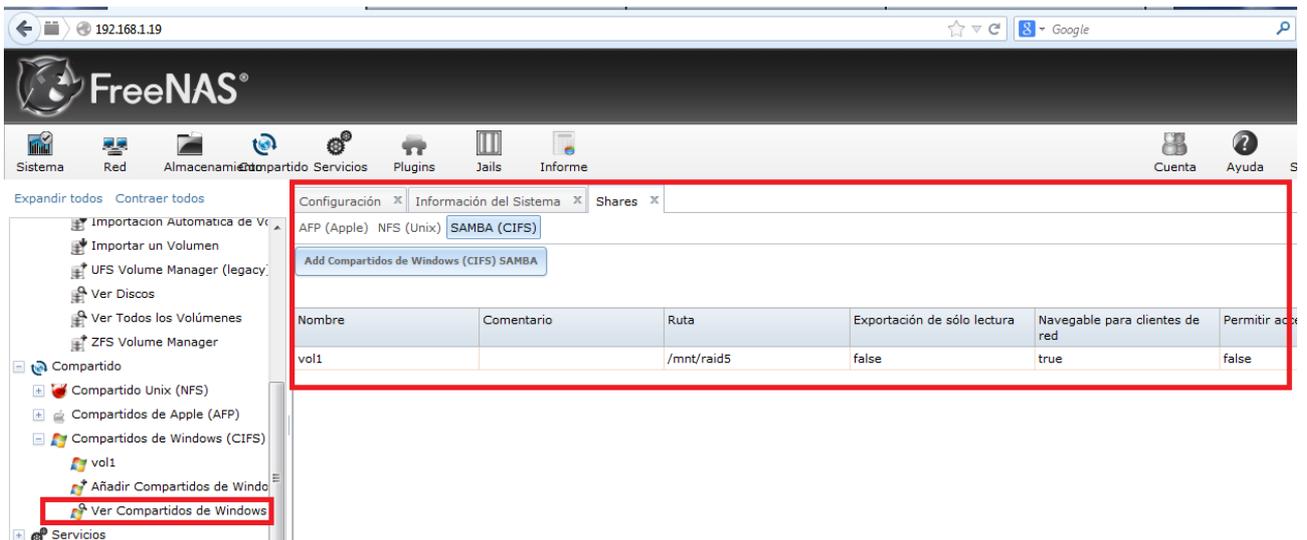
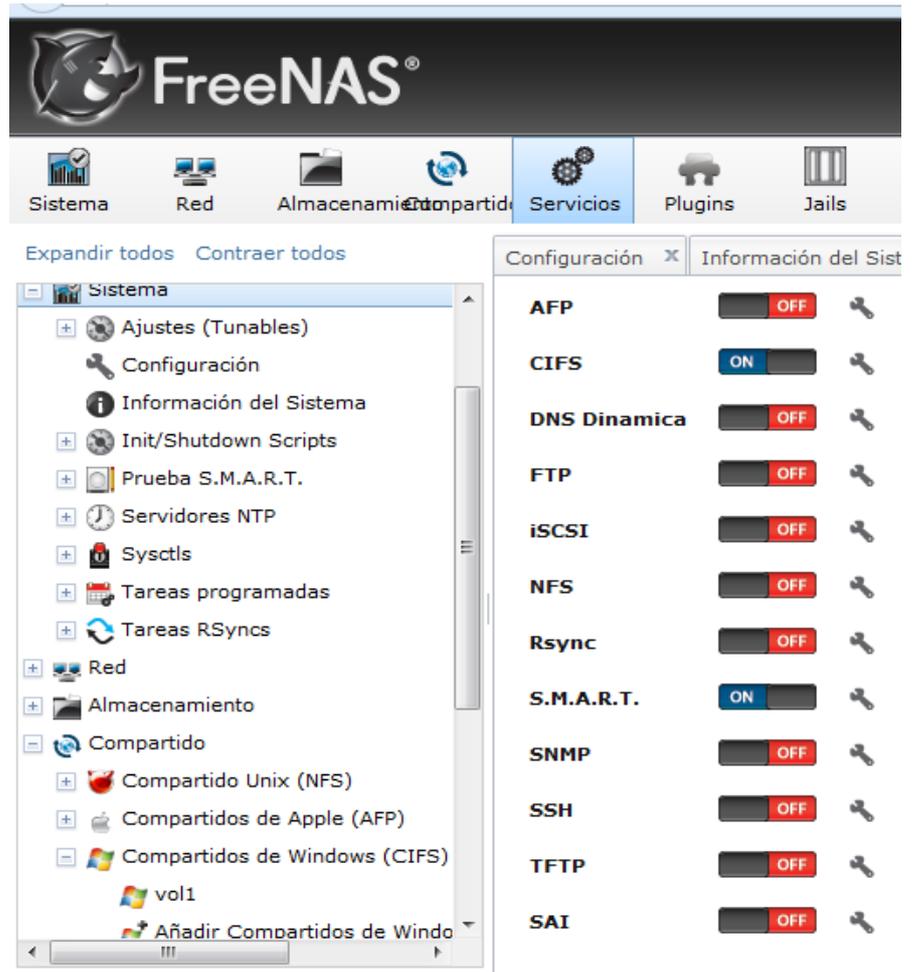
Seleccionamos “Añadir Compartidos de Windows (CIFS) SAMBA” y seguimos los siguientes pasos [para](#) compartir los 4TB del “RAID5” anteriormente hecho.



A continuación, nos sale un menú donde le tenemos que decir el nombre del recurso, de dónde lo sacamos y más opciones:



Confirmamos la activación del servicio CIFS:



Crear un usuario

Por lo que nos vamos a la parte de usuario, y nos hacemos un usuario [para](#) entrar:

FreeNAS®

Sistema Red Almacenamiento Compartido Servicios Plugins Jails Informe

Expandir todos Contraer todos

Cuenta Grupos Usuarios Añadir Usuario Ver Usuarios

Sistema Red Almacenamiento Compartido Servicios Plugins Jails Informe

Mostrar Procesos del Sistema Terminal Reiniciar Apagar sistema

Añadir Usuario

ID de Usuario: .001

Nombre de usuario: yolanda

Crear un nuevo grupo primario para el usuario:

Grupo Principal: [-----]

Directorio Personal: /mnt/raid5

Terminal: csh

Nombre Completo: [_____]

E-mail: [_____]

Contraseña: [.....]

Confirmación de contraseña: [.....]

yolanda

Mostramos el raid5

FreeNAS®

Sistema Red Almacenamiento Compartido Servicios Plugins Jails Informe Cuenta Ayuda

Expandir todos Contraer todos

Configuración Información del Sistema Shares

AFP (Apple) NFS (Unix) **SAMBA (CIFS)**

Add Compartidos de Windows (CIFS) SAMBA

Nombre	Comentario	Ruta	Exportación de sólo lectura	Navegable para clientes de red	Permitir acceso
vol1		/mnt/raid5	false	true	false

Ver Compartidos de Windows