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Connect LDAP Directory

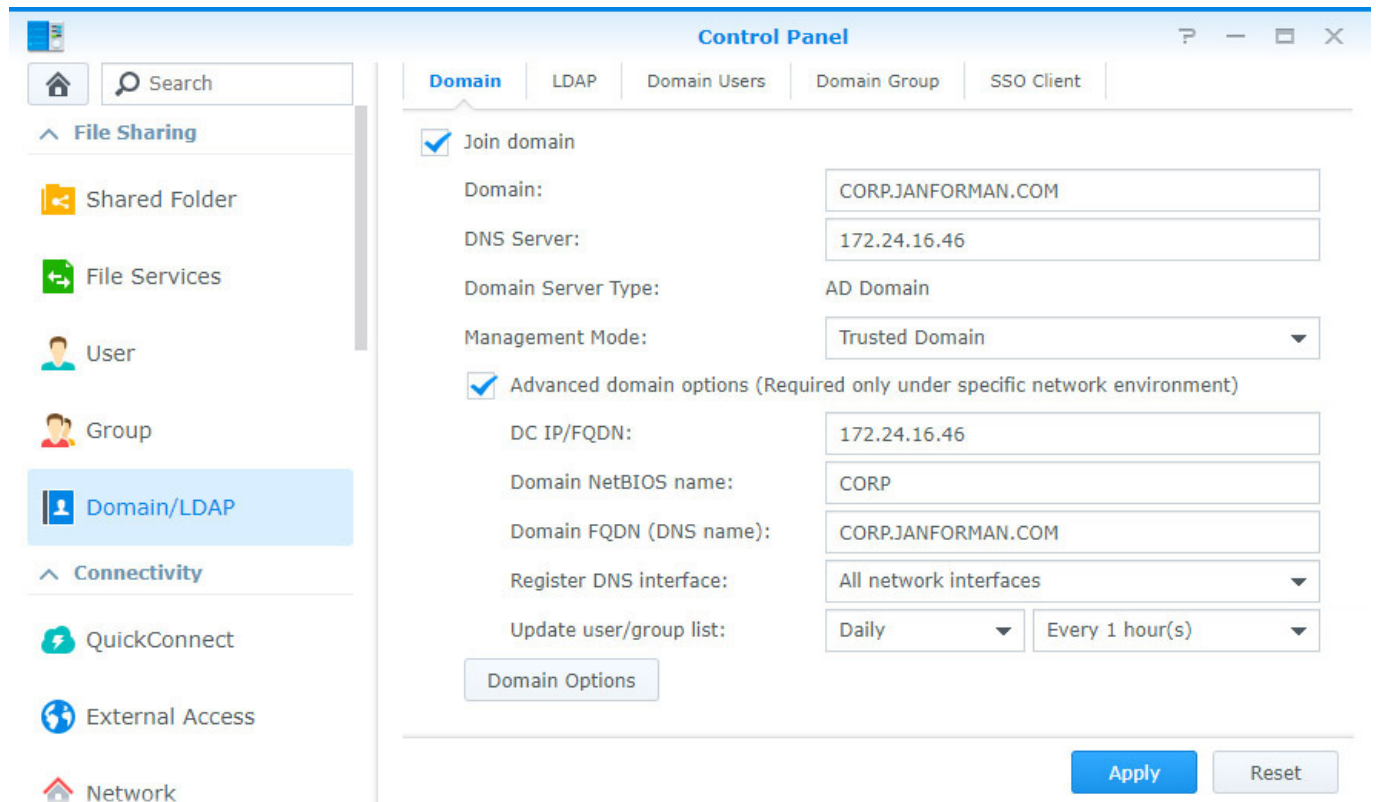
BaseDN → CN=users,DC=corp,DC=janforman,DC=com

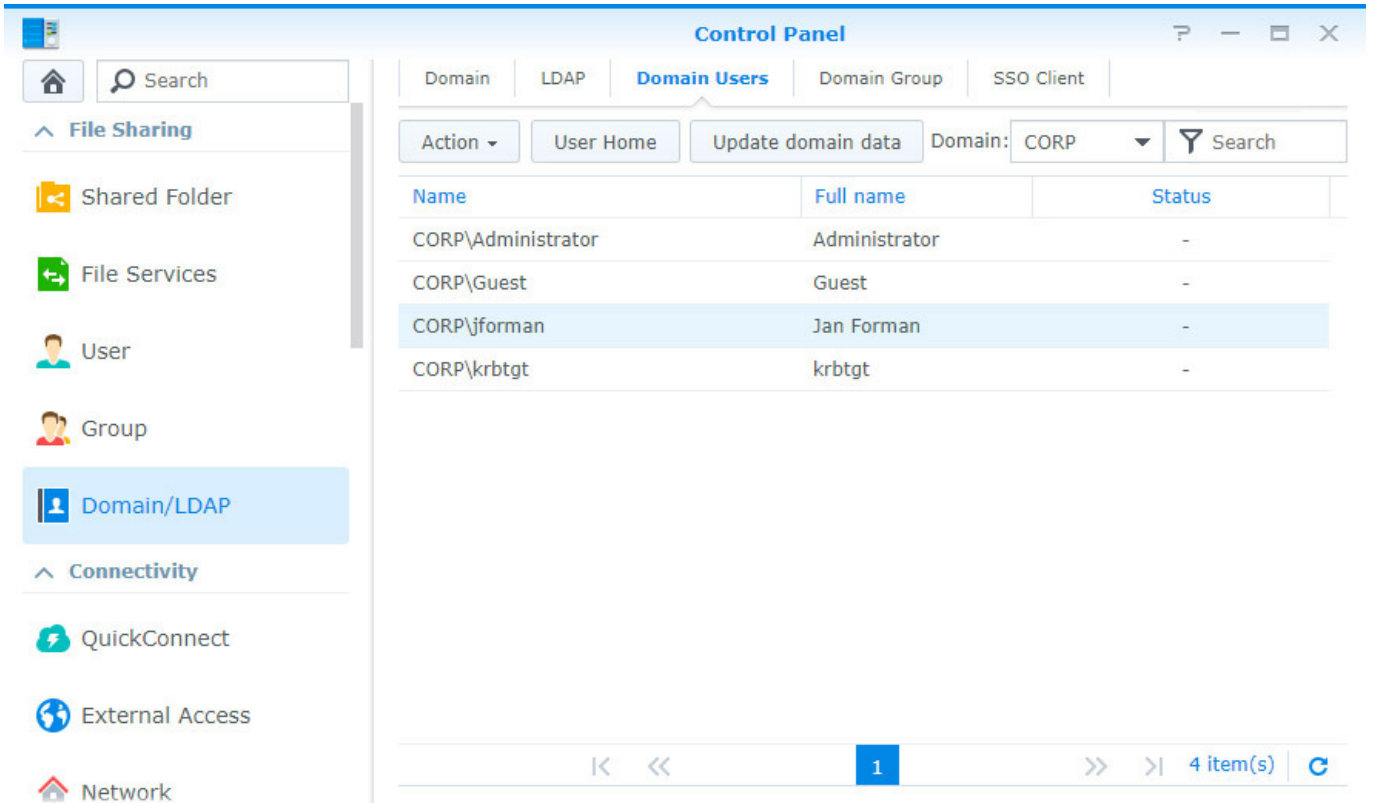
BindDN → CN=administrator,CN=Users,DC=corp,DC=janforman,DC=com

You can't join Windows AD by this sample, because proper attributes must be mapped.

Join Windows Active Directory Domain

2017-12-12 20:15:49 Information synology user System Server was joined to the domain [CORP.JANFORMAN.COM].





List SATA

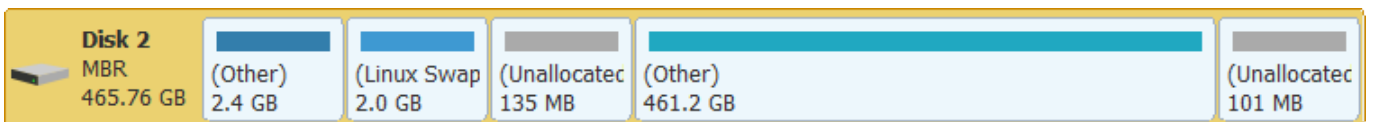
```
dmesg | grep -i sata | grep 'link up'
dmesg | grep 'ANSI'
```

Smartctl Info

```
smartctl -d ata -a /dev/sda
```

Storage Structure

2.4 GB	System RAID1
2 GB	SWAP
X TB	Aligned Data partition



AMD K8 Power Save

Last supported version is 5.2-5565.1
 place executable file into → /usr/syno/etc/rc.d/
 755 .sh

```
insmod /lib/modules/powernow-k8.ko  
echo conservative > /sys/devices/system/cpu/cpu0/cpufreq/scaling_governor
```

Boot modification

```
LABEL Synology DSM 5.2  
MENU LABEL Synology DSM 5.2  
kernel /zImage ihd_num=0 netif_num=4 syno_hw_version=DS3612xs sn=B3J4N01003  
mac1=00113208D63C mac2=00113208D63D vid=0x0EA0 pid=0x2168 loglevel=0
```

VID & PID - hide bootable USB from DSM

My Power Consumption

PC 50W
PC+HDD 88W

Enable SHR in DSM 6

/etc.defaults/synoinfo.conf

```
support_syno_hybrid_raid = "yes"  
#supportraidgroup="yes"
```

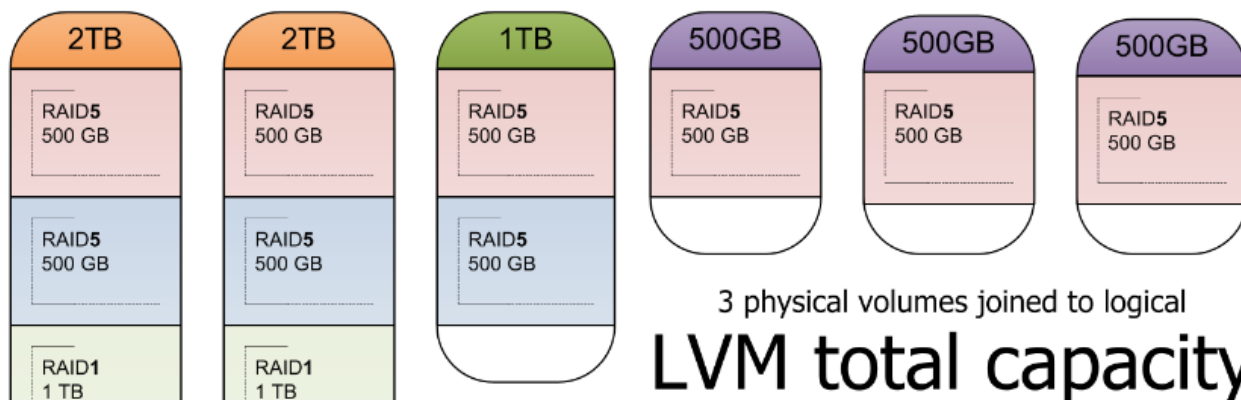
Number of drives

/etc.defaults/synoinfo.conf

```
maxdisks = XX
```

Hybrid RAID How it works?

Linux Hybrid RAID (Synology, Netgear)



Capacity	4.04 TB		
Used	1.84 TB		
Available	2.19 TB		
Disk Info			
Expansion Unit	Number	Disk Size	Status
nas-synology	Disk 1	1.82 TB	Normal
nas-synology	Disk 2	1.82 TB	Normal
nas-synology	Disk 3	931.51 GB	Normal
nas-synology	Disk 4	465.76 GB	Normal
nas-synology	Disk 5	465.76 GB	Normal
nas-synology	Disk 6	465.76 GB	Normal

Update URL

archive.synology.com/download/
checkip.synology.com

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