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# Connect LDAP Directory

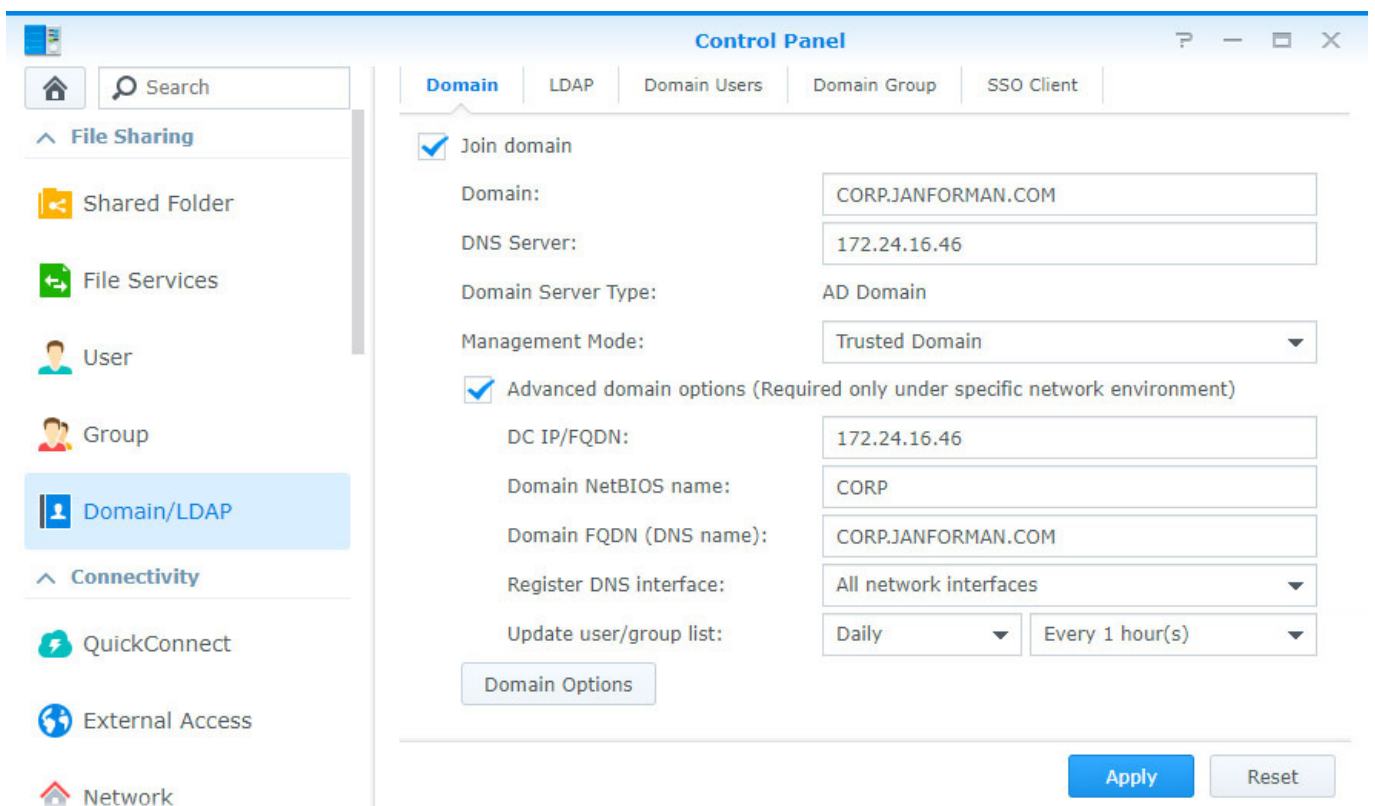
BaseDN → CN=users,DC=corp,DC=janforman,DC=com

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].



The screenshot shows the Windows Control Panel interface for managing domain users. The 'Domain Users' tab is selected, and the domain is set to 'CORP'. A table displays the following user information:

Name	Full name	Status
CORP\Administrator	Administrator	-
CORP\Guest	Guest	-
CORP\jforman	Jan Forman	-
CORP\krbtgt	krbtgt	-

# List SATA

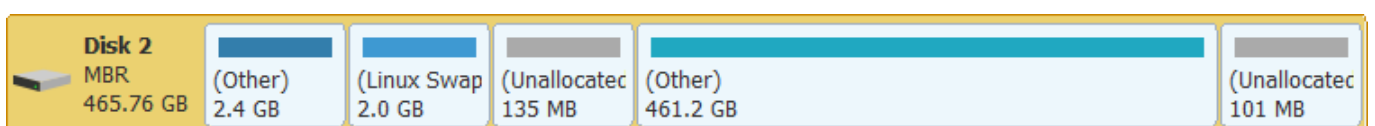
```
dmesg | grep -i sata | grep 'link up'
dmesg | grep 'ANSI'
```

# 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"
```

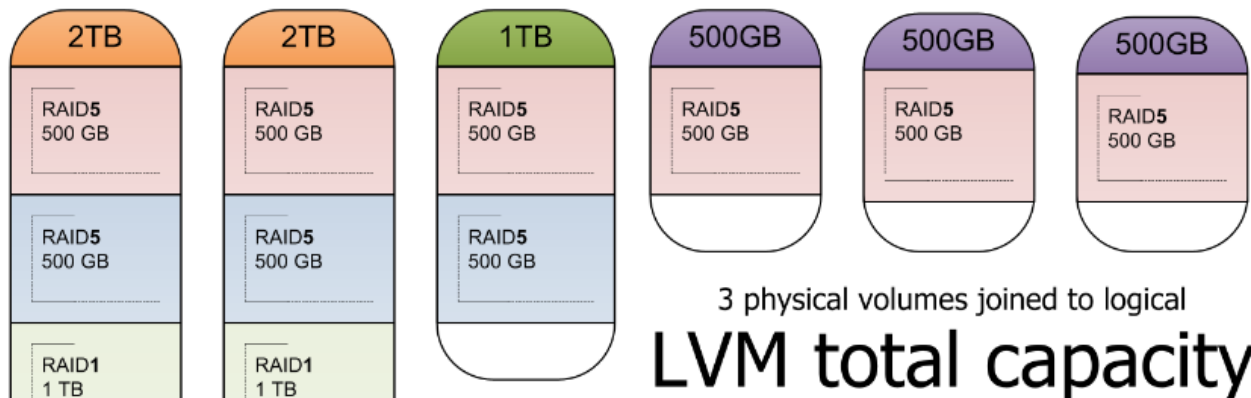
## Number of drives

/etc.defaults/synoinfo.conf

```
maxdisks = XX
```

# Hybrid RAID How it works?

## Linux Hybrid RAID (Synology, Netgear)



<b>Capacity</b>	4.04 TB		
<b>Used</b>	1.84 TB		
<b>Available</b>	2.19 TB		
<b>Disk Info</b>			
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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Last update: **2018/07/05 19:54**

