

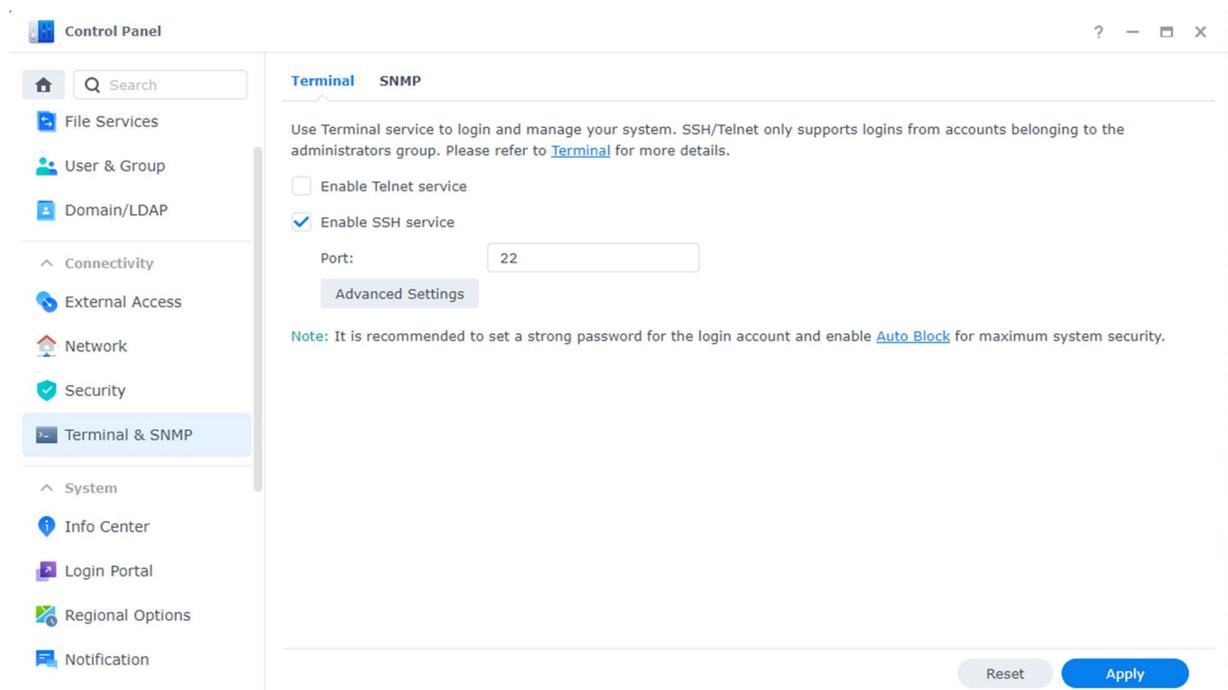
Guide is like Marcus Wagner's on Synology 416+ Play, the only difference is the file you needed to download and how you will extract it.

For DS420J (DSM7.x) Requirements:

1. Putty
2. hdsentinel-armv8
3. Administrator Account

Step 1.

Log-in to your NAS using Administrator Account, upon logging in, open Control Panel and look for "Terminal & SNMP". Then check "Enable SSH Service"

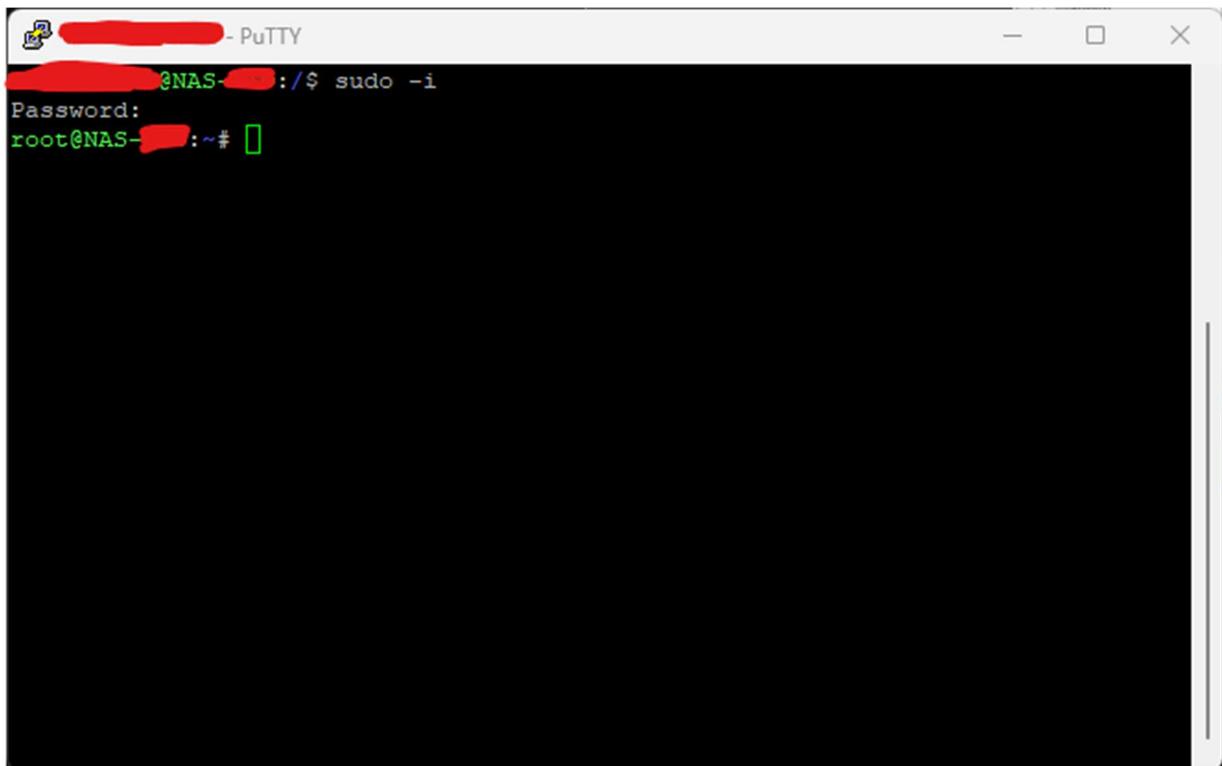
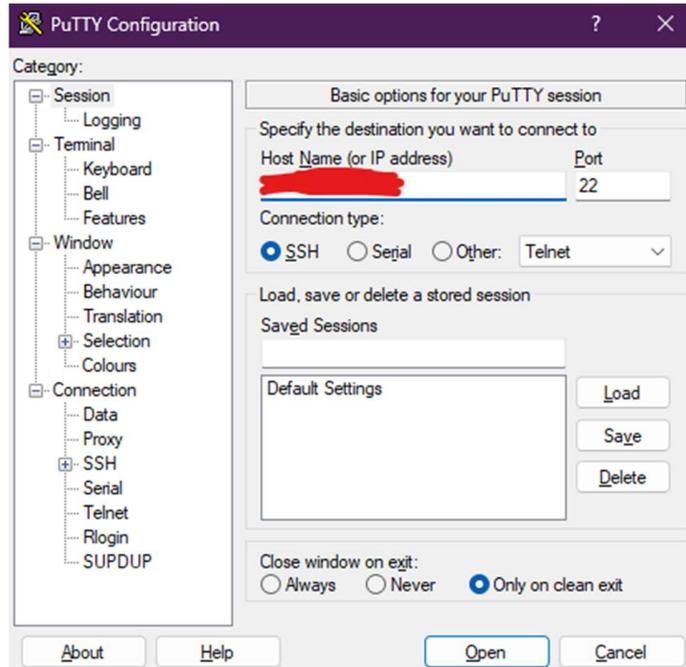


Step 2.

Make another shared folder where you will store the hdsentinel, name it "hdsentinel" or anything you want to.

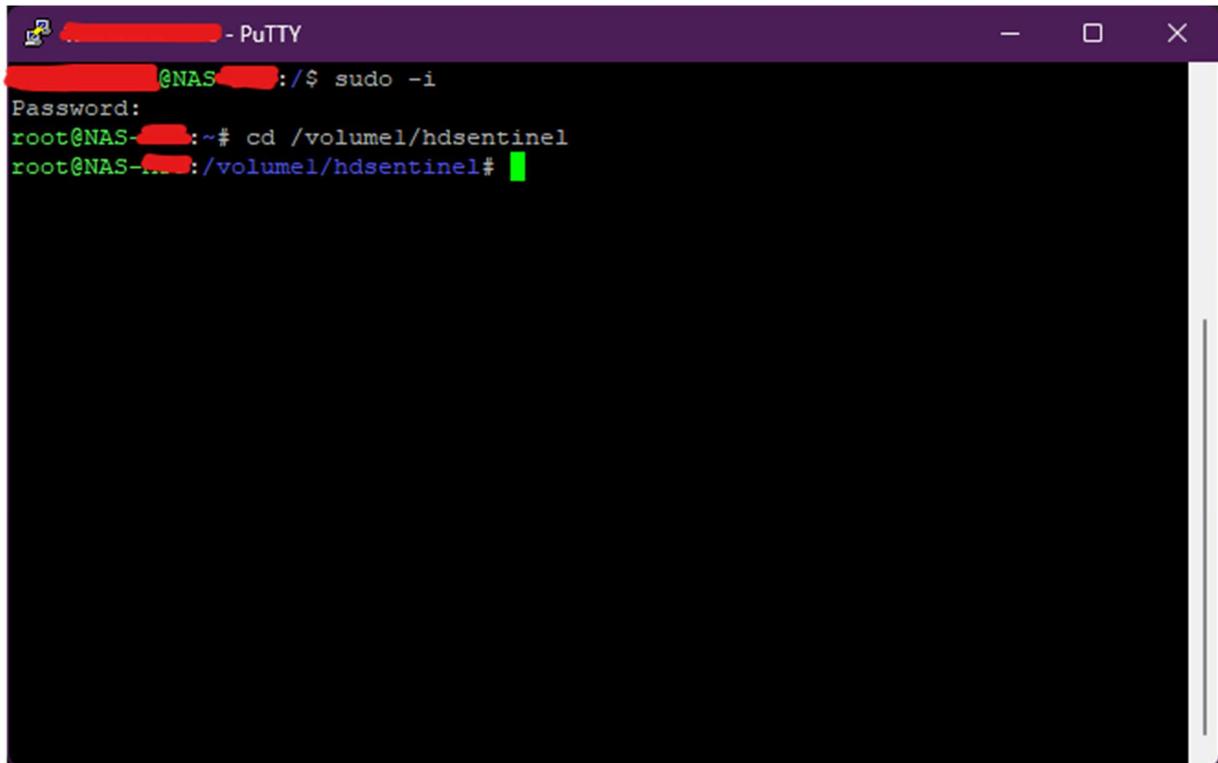
Step 3.

Open your Putty then input the IP address of your NAS. Log-in using your Administrator Account then type "sudo-i", again input your Administrator Password.



Step 4.

Move to your shared folder directory by typing "cd /volume1/hdsentinel/". (volume1 is where you created the shared folder while hdsentinel is the name of your folder").



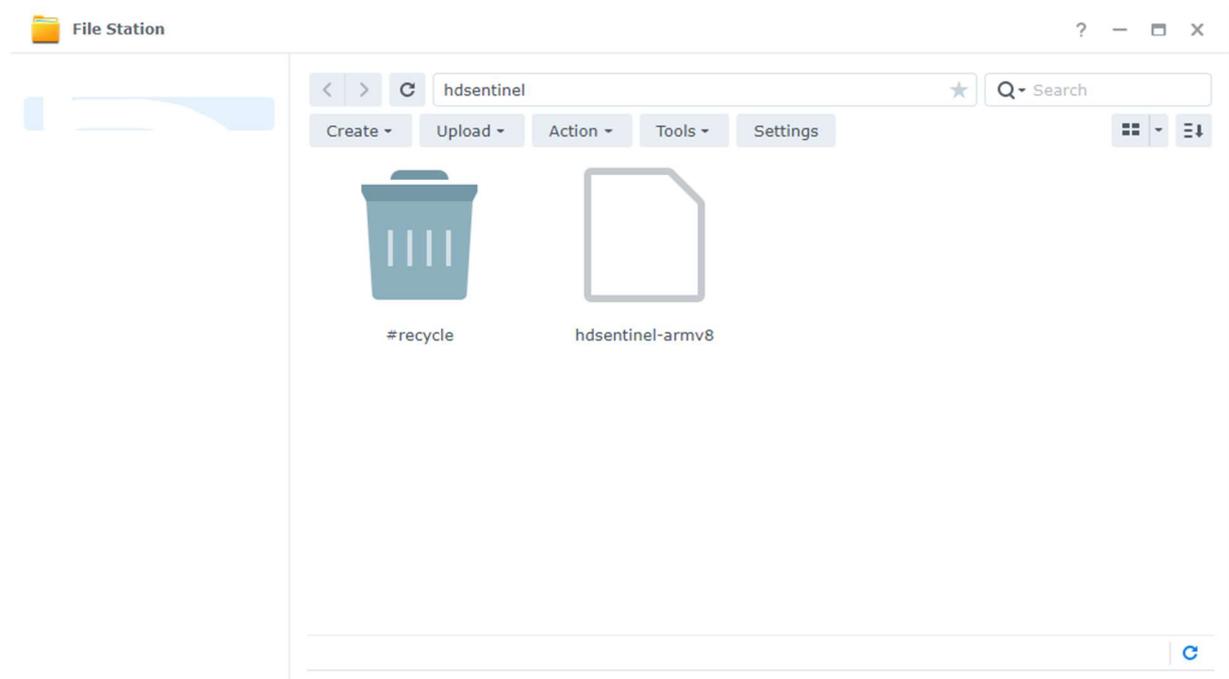
```
root@NAS-...:/$ sudo -i
Password:
root@NAS-...:~# cd /volume1/hdsentinel
root@NAS-...:/volume1/hdsentinel#
```

Step 5.

Now we need to download the armv8 version of the hdsentinel. Download it using their official link below:

<https://www.hdsentinel.com/hdslin/hdsentinel-armv8.bz2>

After that, extract it to your shared folder on your NAS. It should be something like this:



Step 6.

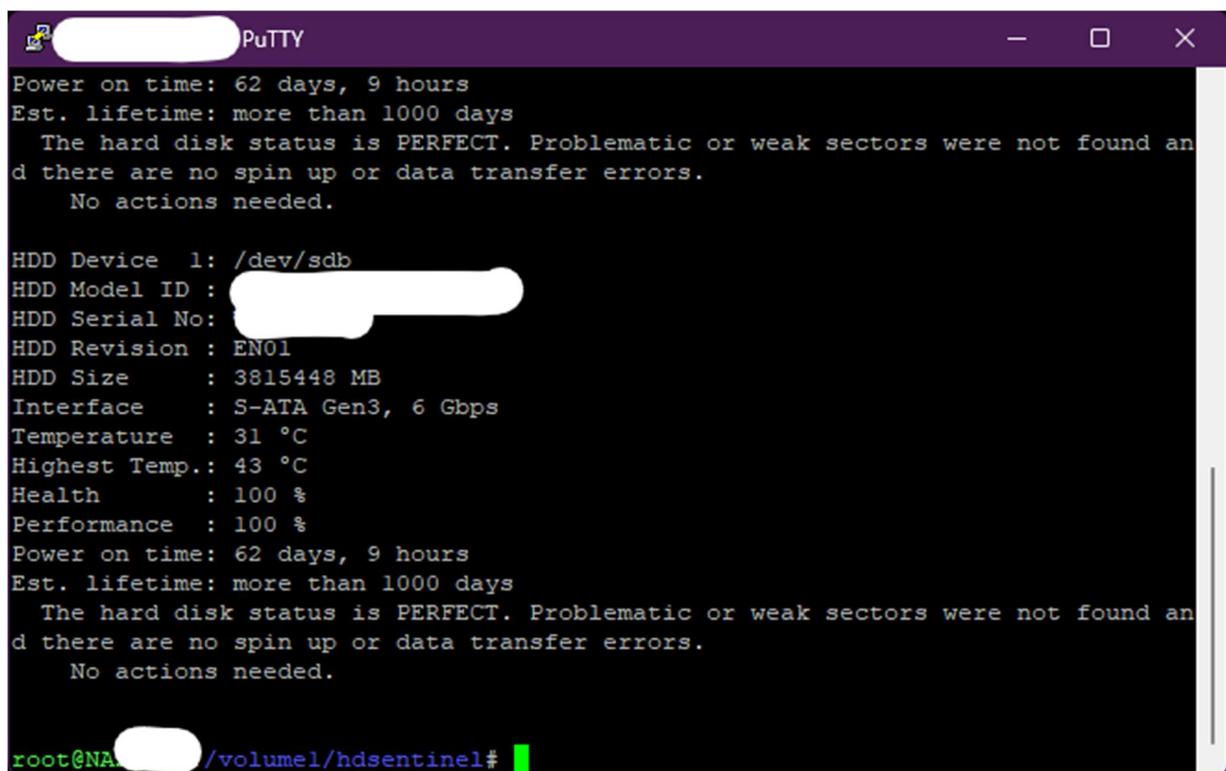
Back to your Putty. We should change its permission so that it can be executed, type the following “chmod 0755 hdsentinel-armv8”

Step 7.

Now we need to test it if its working or not, type this command to execute the hdsentinel

“./hdsentinel-armv8”

It should be something like this:



```
Power on time: 62 days, 9 hours
Est. lifetime: more than 1000 days
  The hard disk status is PERFECT. Problematic or weak sectors were not found and there are no spin up or data transfer errors.
  No actions needed.

HDD Device 1: /dev/sdb
HDD Model ID : 
HDD Serial No: 
HDD Revision : EN01
HDD Size      : 3815448 MB
Interface     : S-ATA Gen3, 6 Gbps
Temperature   : 31 °C
Highest Temp.: 43 °C
Health        : 100 %
Performance   : 100 %
Power on time: 62 days, 9 hours
Est. lifetime: more than 1000 days
  The hard disk status is PERFECT. Problematic or weak sectors were not found and there are no spin up or data transfer errors.
  No actions needed.

root@NA: /volumel/hdsentinel#
```


Lastly, you just need to wait 10 minutes for hdsreport.html to be generated automatically. You can view the report anytime by viewing it on the shared folder or you can view it using Hard Disk Sentinel Pro version.

Just click File > Configure NAS Disk Monitoring. Then add the hdsreport.html you opened before. After that you can easily view the status of your NAS HDD on Hard Disk Sentinel. (It should be updated every 10 minutes).

That's it. Enjoy.

Ps. Sorry for my bad English. It's not my main language.

Credits to the developer of hdsentinel linux version and hdsentinel.