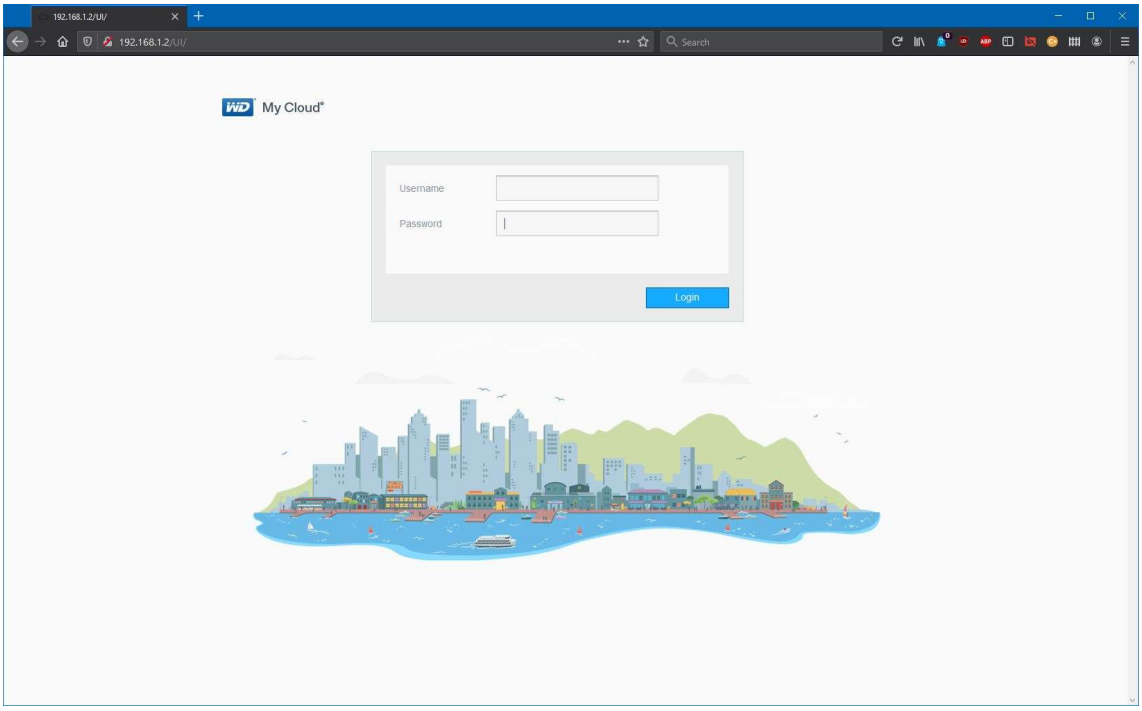
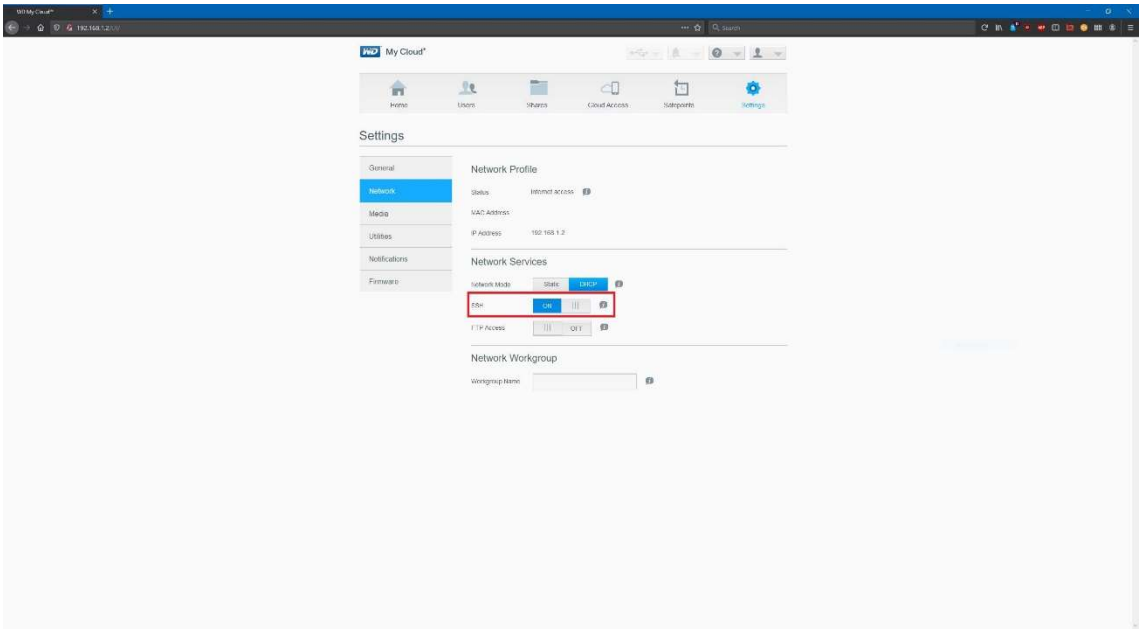
0. Caveats and disclaimers:

    a. Ensure that you know what you're doing.
    b. Procedure tested and working on My Cloud 4TB device (1st Gen, FW 04.xx.xx).
    c. Tools needed:
        i. [required] Putty or similar
        ii. [optional & useful] WinSCP or similar
        iii. [optional & useful] 7-zip or similar
        And obviously HD Sentinel Pro which is required to make it work.

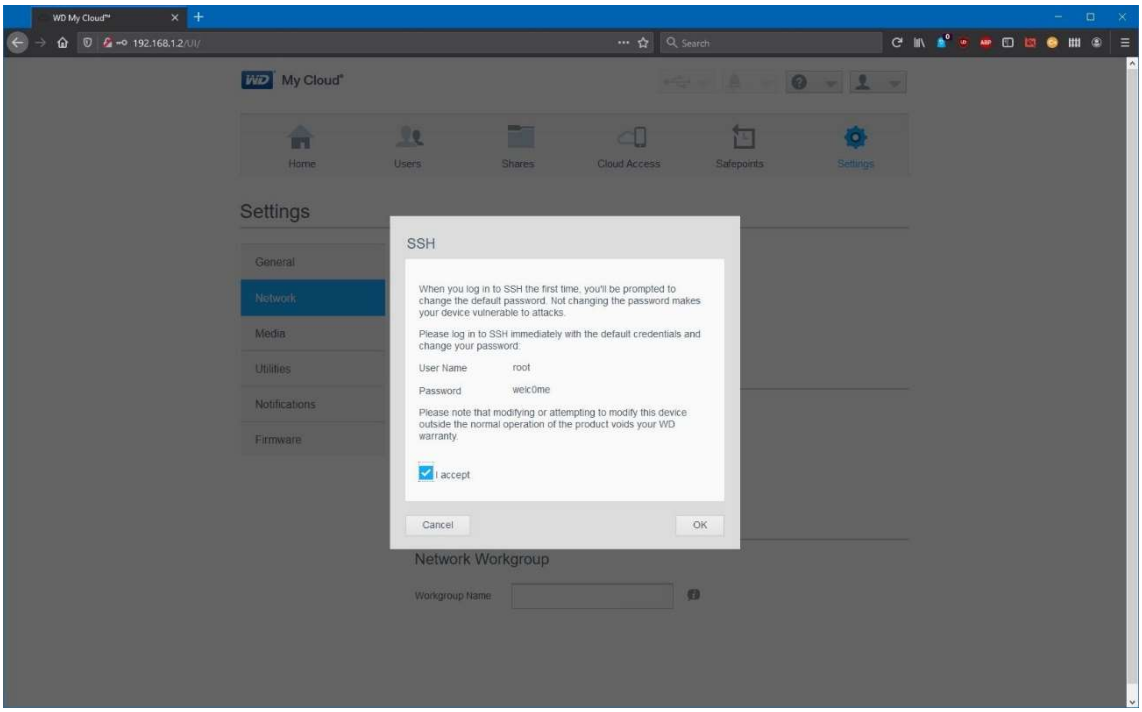
1. Log in to your device via Web GUI using your administrative account:



2. Navigate to Settings and enable SSH under Network / Network Services (unless done already).

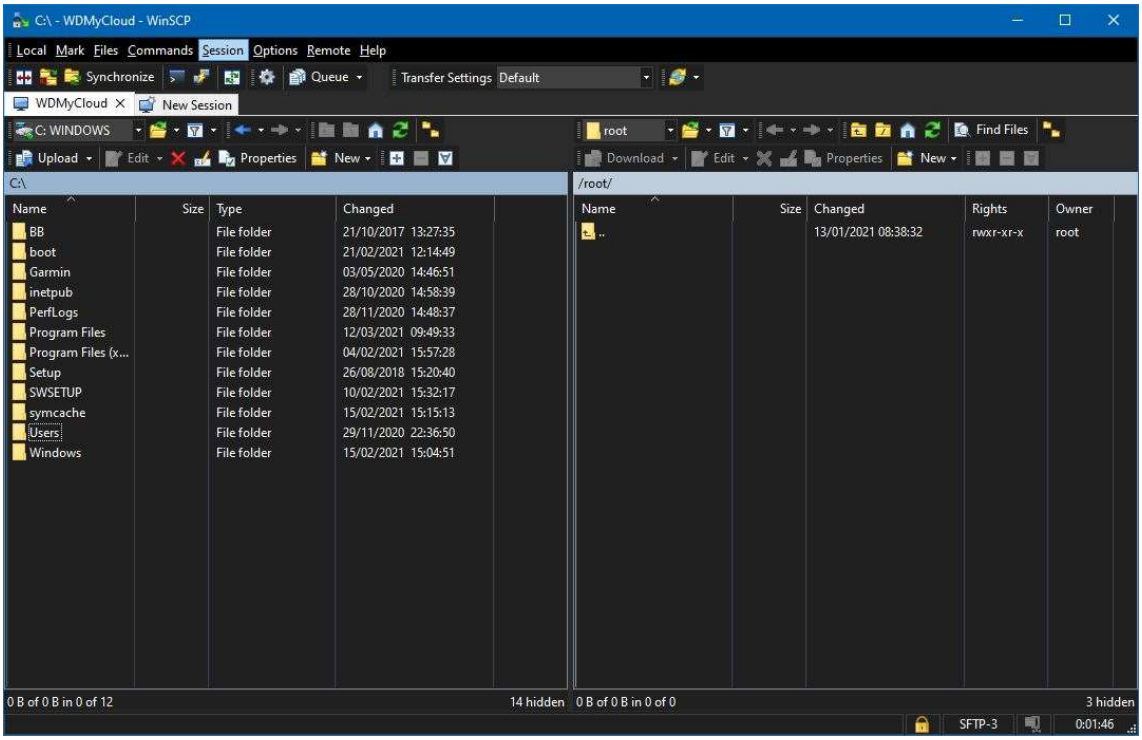


Acknowledge prior to accepting and make note of the account credentials:

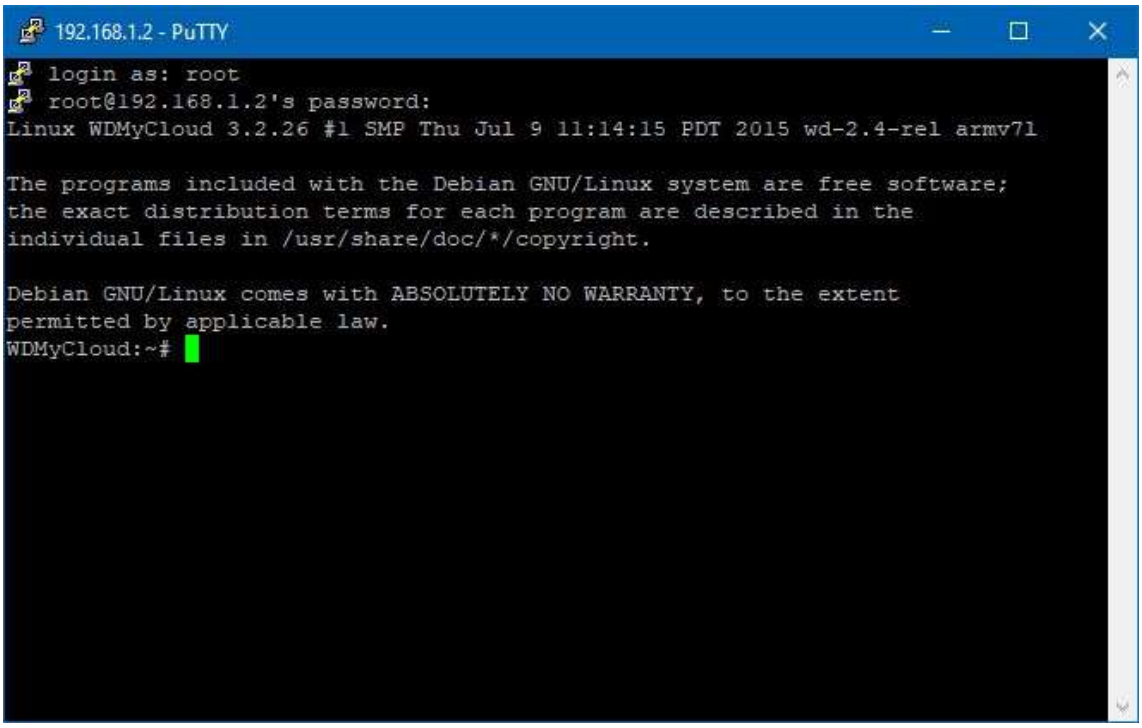


(Leave this window open as you might want to disable SSH once you complete all preparations – see point 15 below).

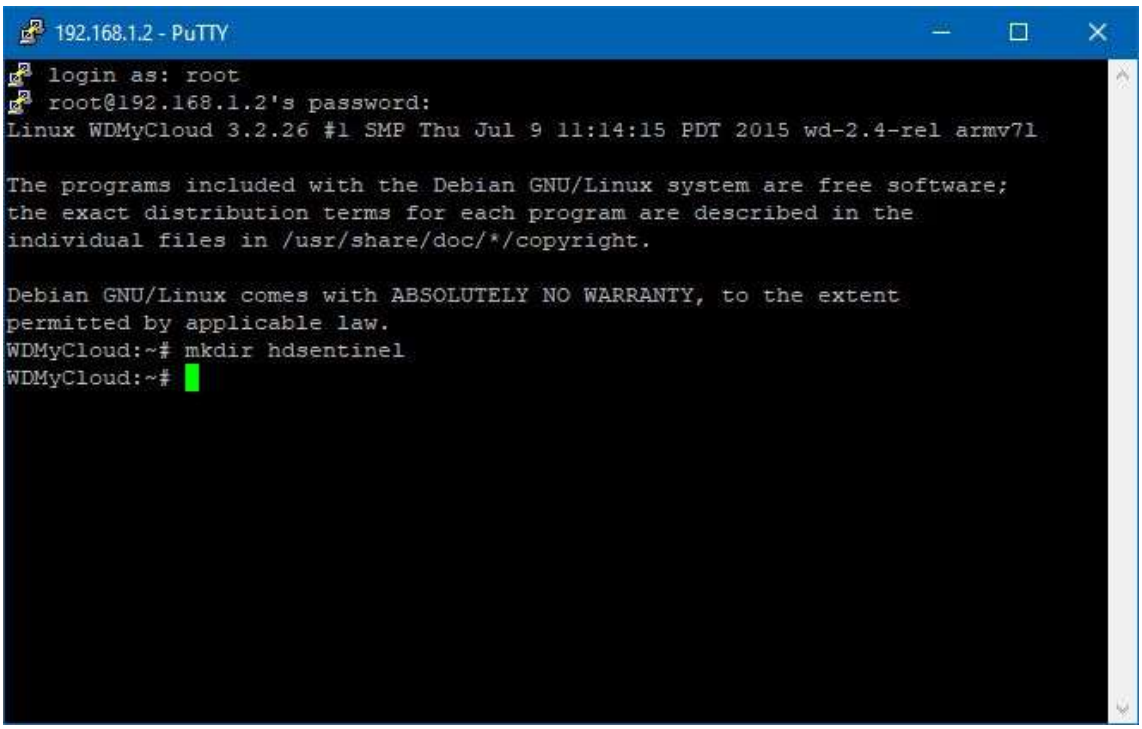
3. Once done, use WinSCP to log in to the MyCloud device. Navigate to *root* folder.

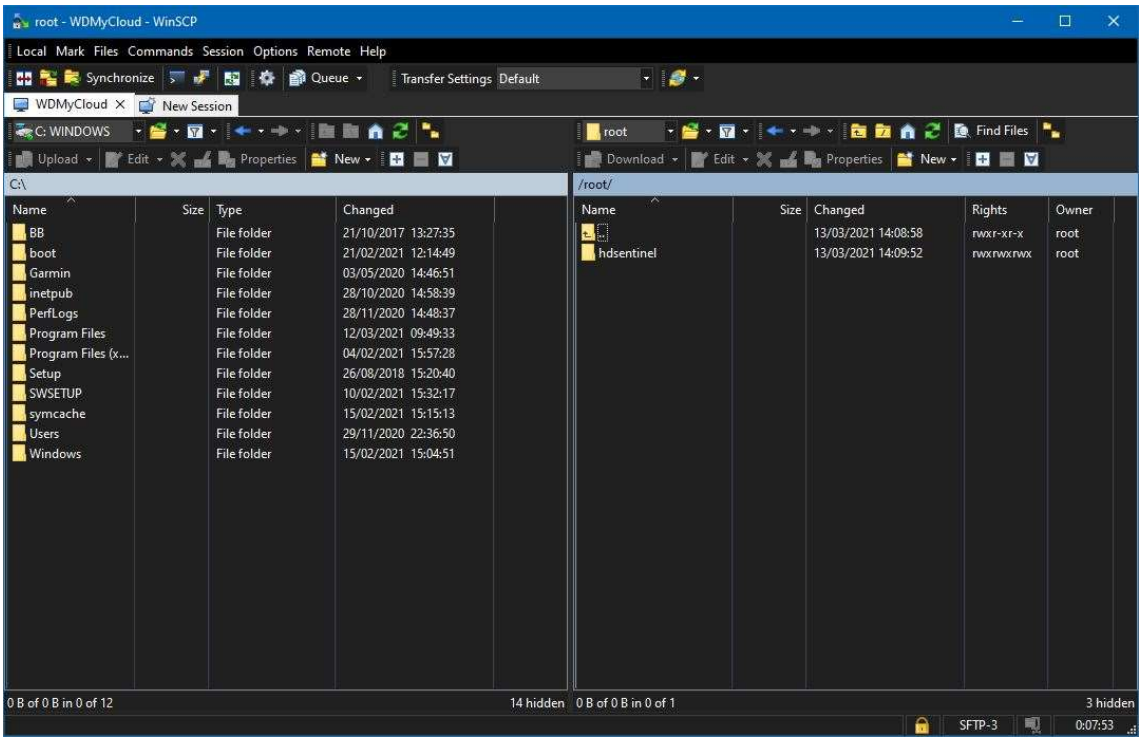


4. Launch Putty (you can also do it from WinSCP using CTRL+P), log into the device using the same credentials.

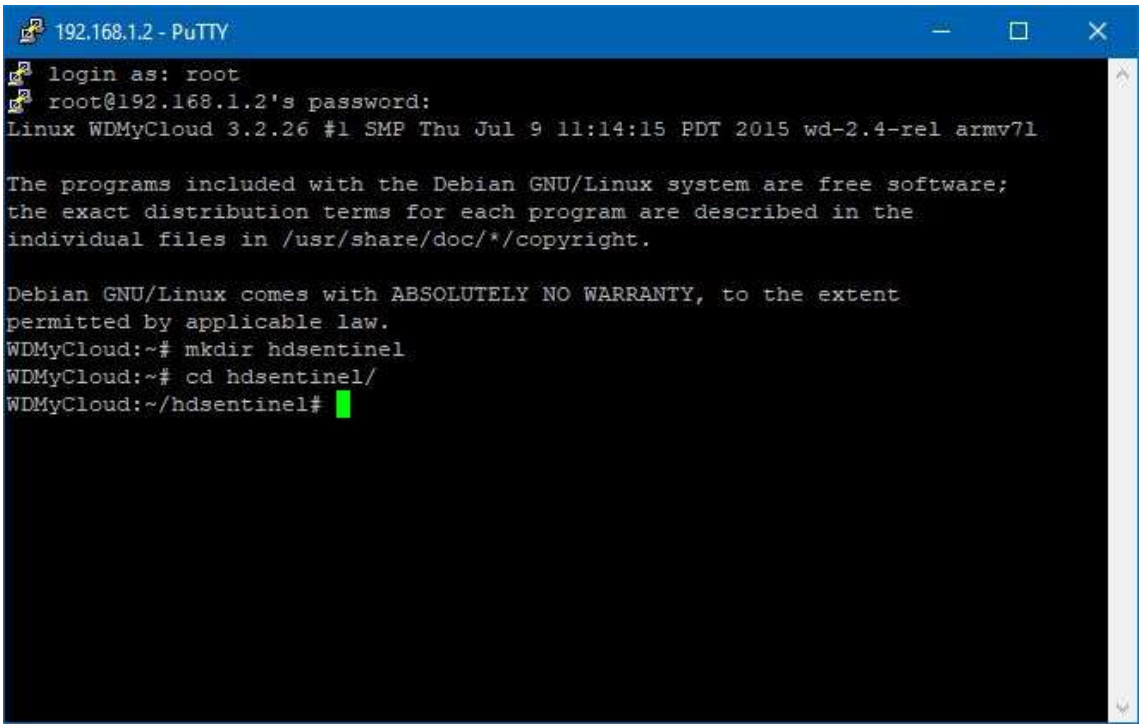


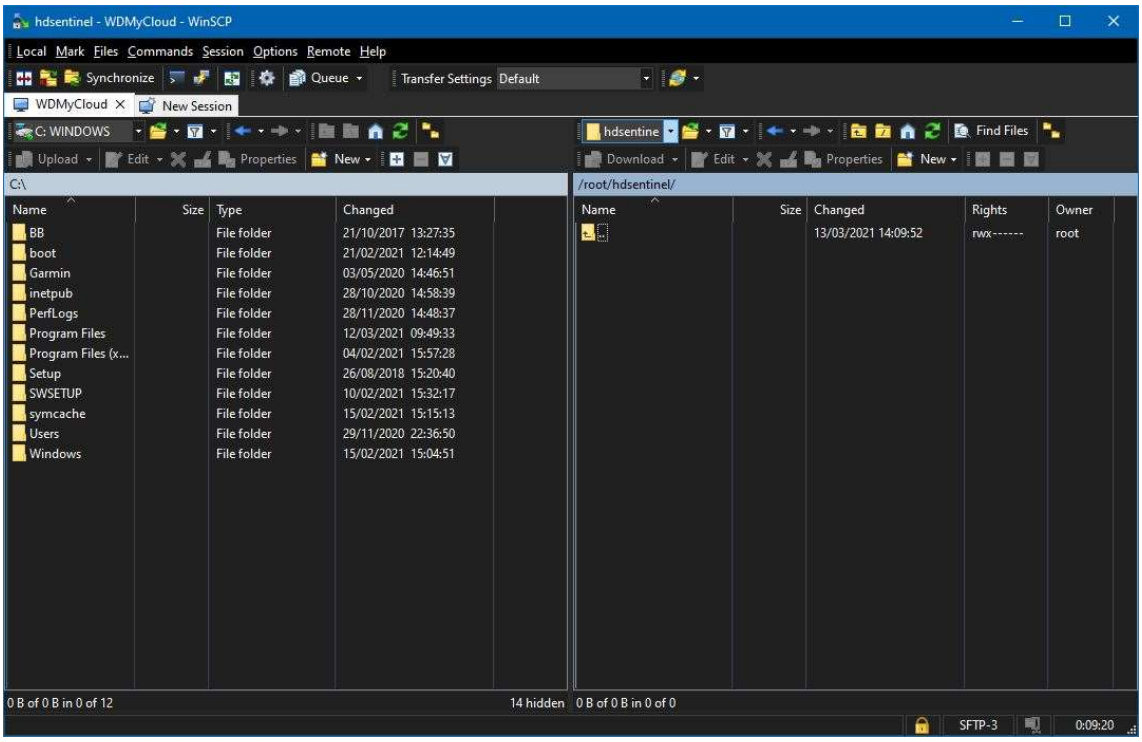
5. Create *hdsentinel* folder, either with Putty (enter `mkdir hdsentinel`) or via WinSCP.



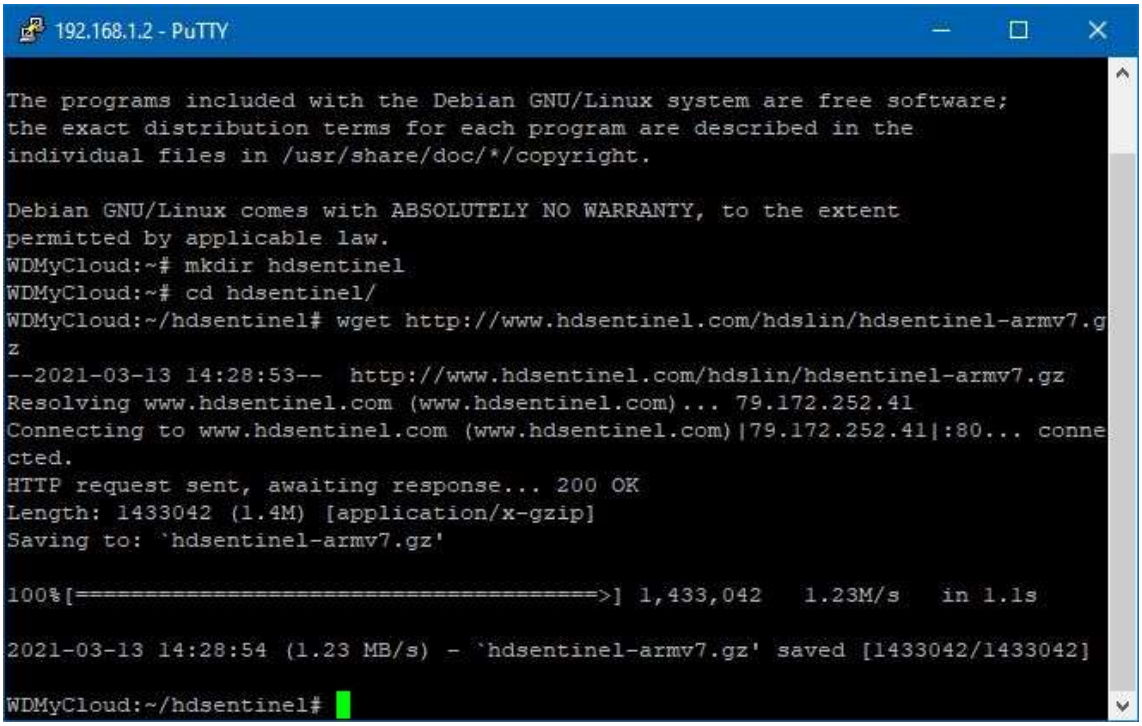


6. Open this folder, either with Putty (enter `cd hdsentinel`) or via WinSCP.

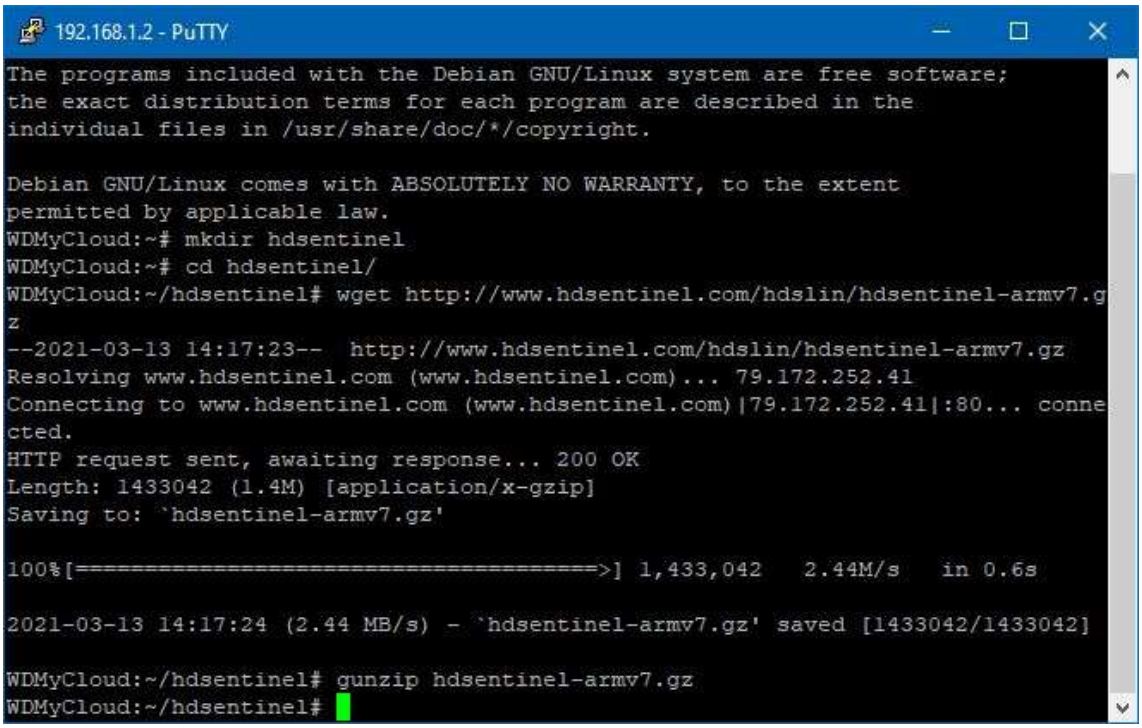




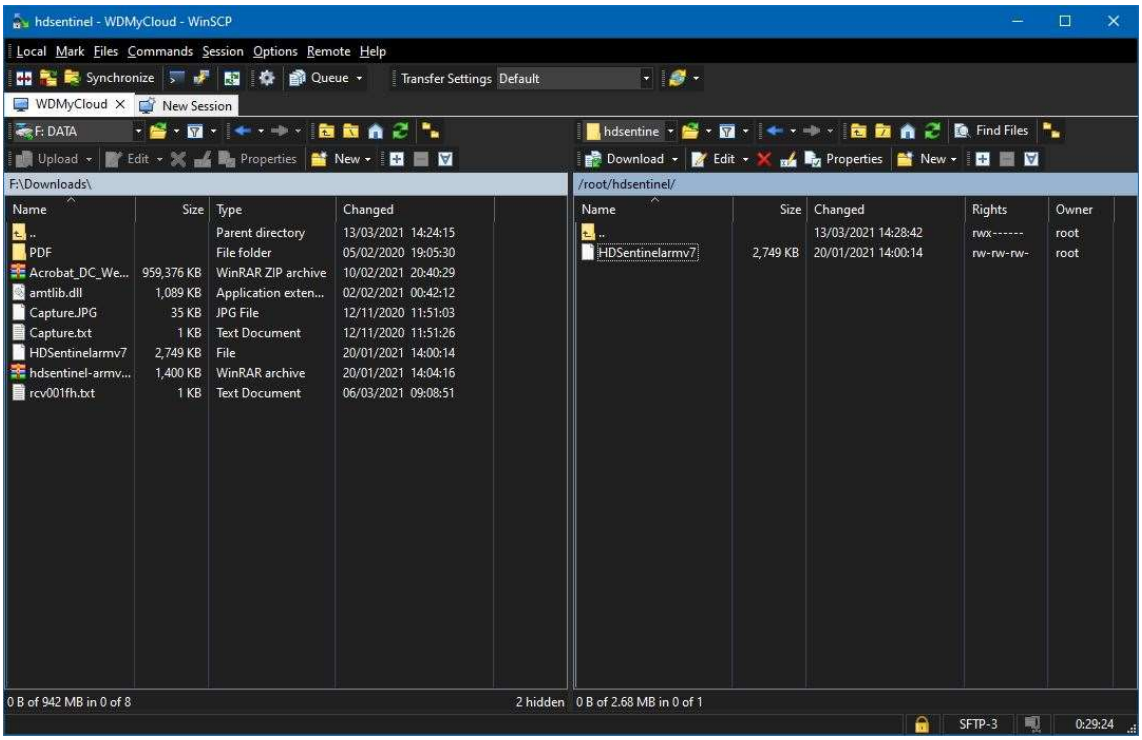
7. Download Hard Disk Sentinel Linux version designed for ARMv7 CPU, either with Putty (`wget http://www.hdsentinel.com/hdslin/hdsentinel-armv7.gz`) or with any internet browser you use.



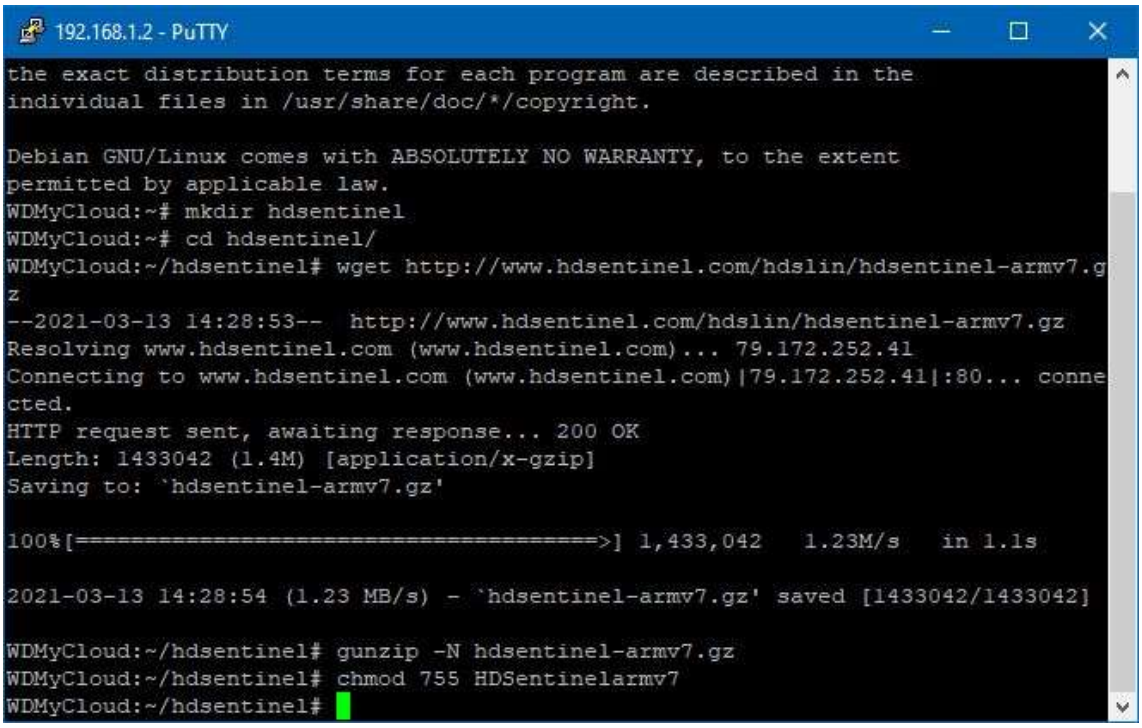
8. In Putty enter `gunzip -N hdsentinel-armv7.gz` to extract the executable (*HDSentinelarmv7*) file.



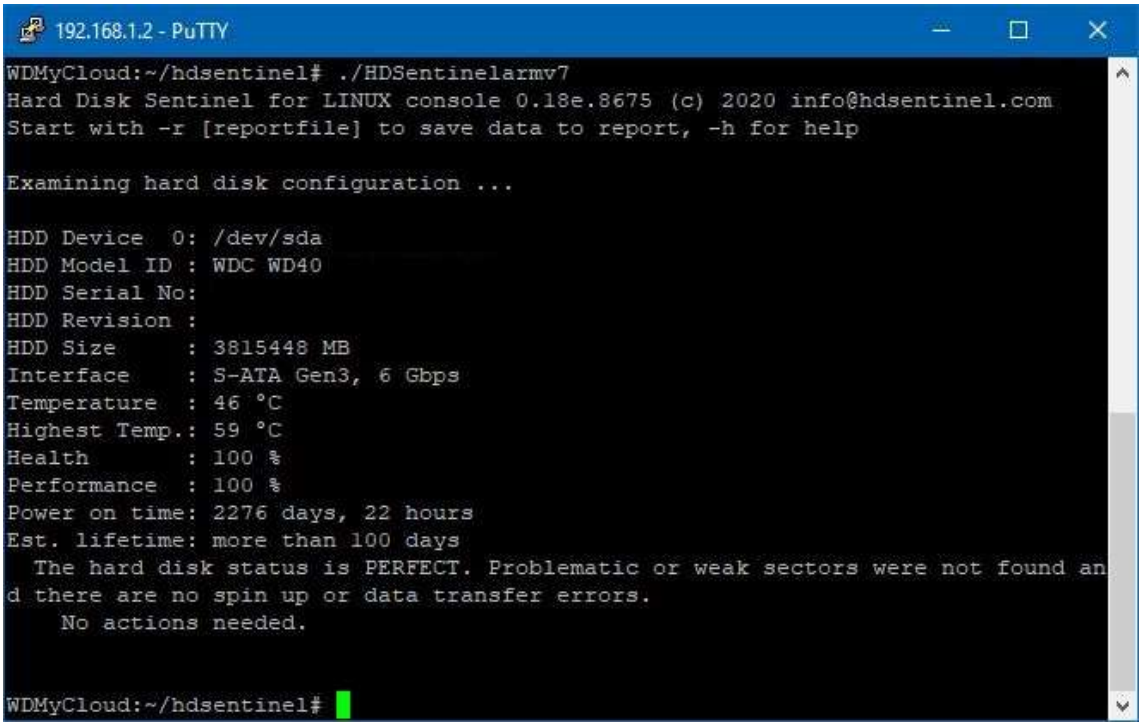
Or in Windows Explorer open *hdsentinel-armv7.gz* and drag H*DSentinelarmv7* file out of it to temporary destination. Subsequently, use WinSCP to transfer it to your device to */root/ hdsentinel* folder you created earlier.



9. In Putty use `chmod` to enable executable permissions: `chmod 755 HDSentinelarmv7`.



10. In Putty enter `./HDSentinelarmv7` to run the Hard Disk Sentinel on the NAS and get hard disk status information on screen.

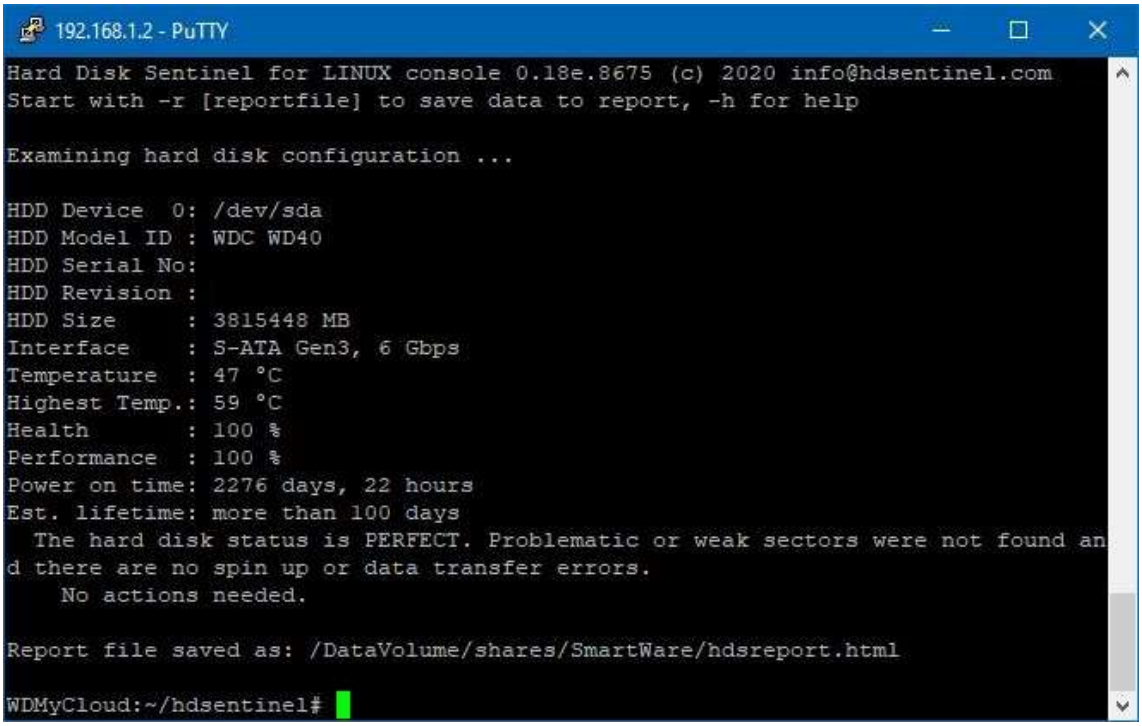


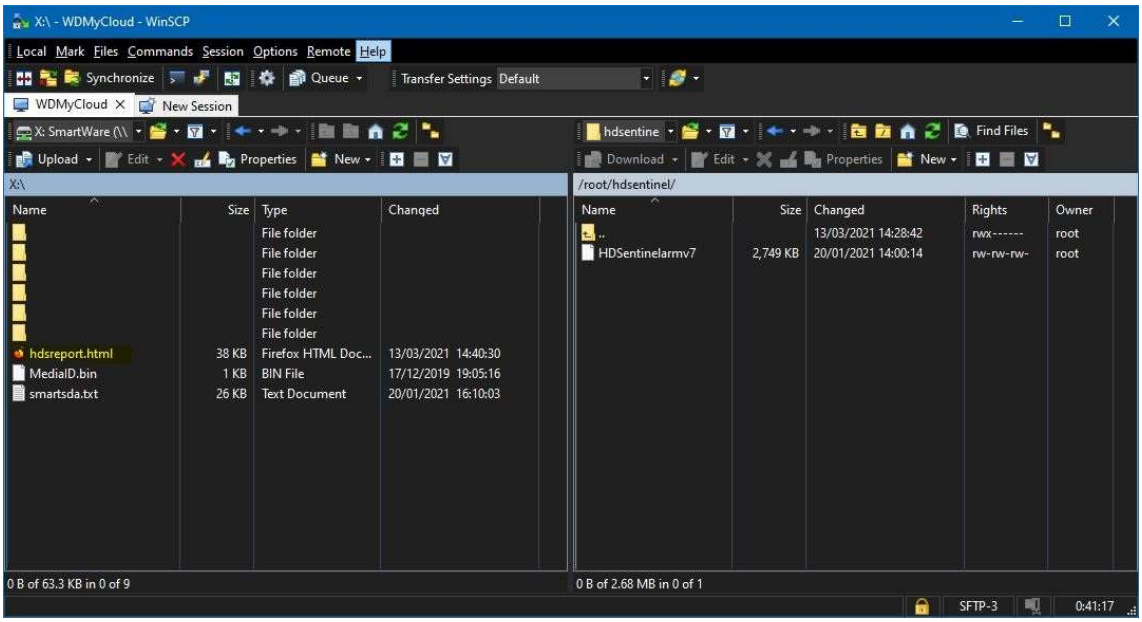
11. If that works, then the next part is to create a report (-r) and point to where to save it:

    ```
    ./HDSentinelarmv7 -r /shared_folder_path/hdsreport.html -html
    ```

    Where */shared_folder_path/* could be */DataVolume/shares/SmartWare/*, or separate share created for the purposes of this task – it's entirely up to you. An example:

    ```
    ./HDSentinelarmv7 -r /DataVolume/shares/SmartWare/hdsreport.html -html
    ```

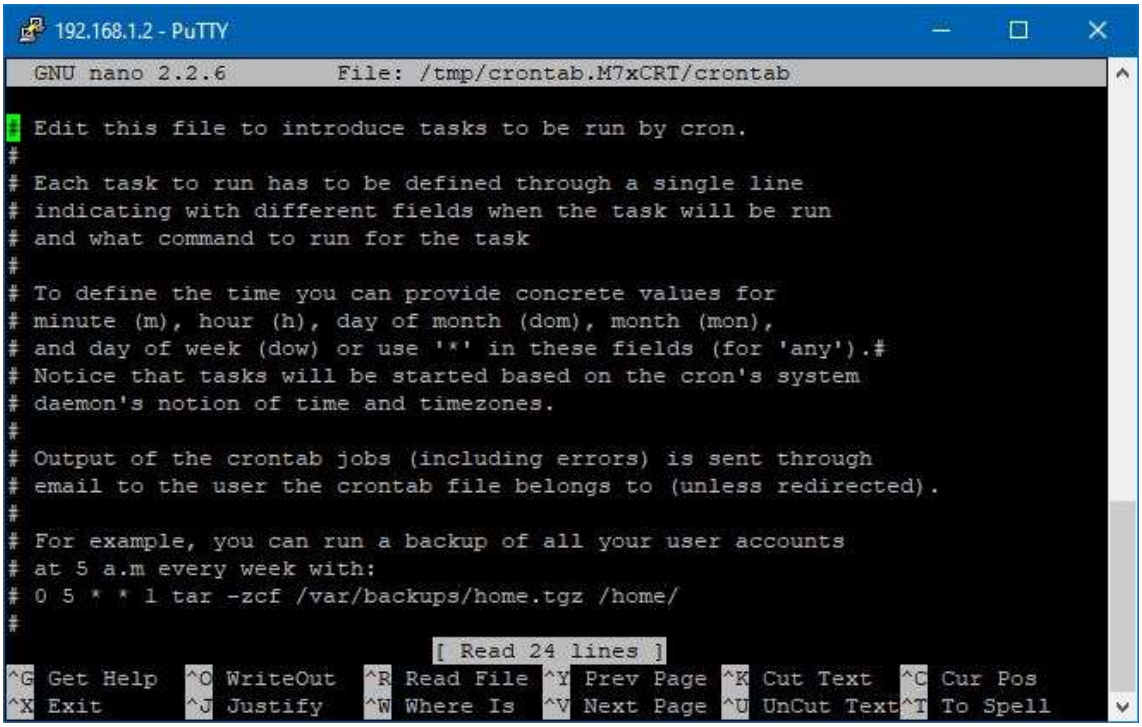




All being well, tool is now ready to use and we're half-way through there already.

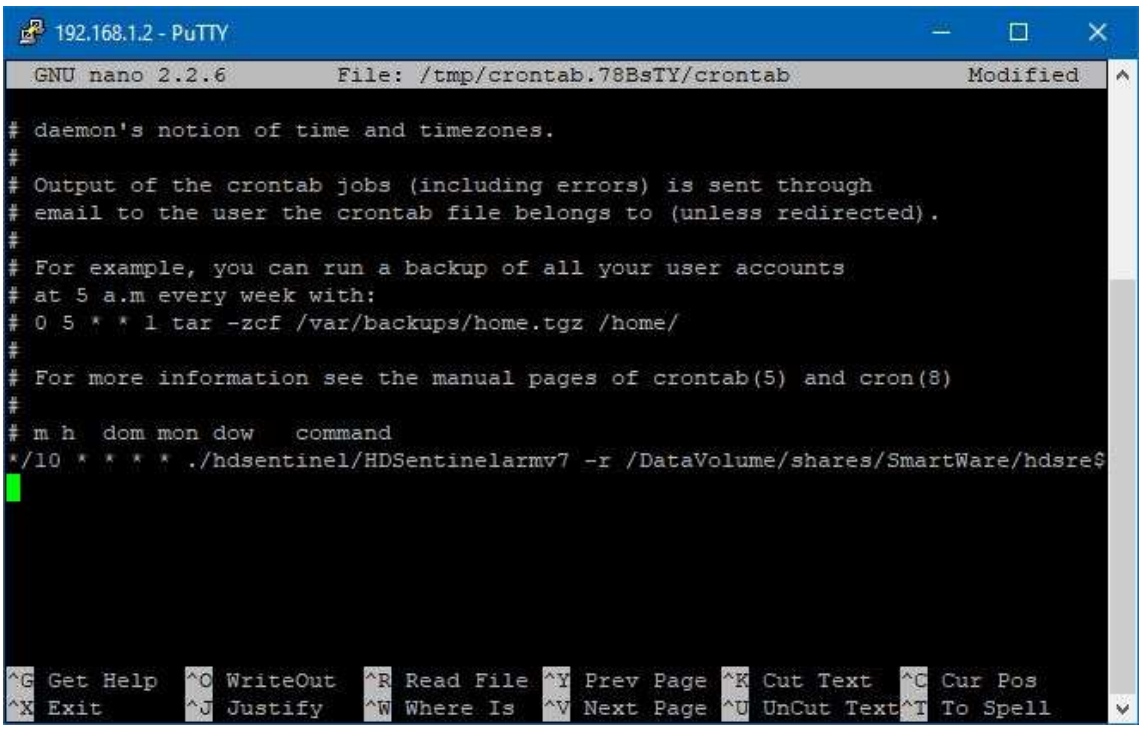
The next part is to create recurrent task to ensure that reports are generated and can be read by HD Sentinel Pro in Windows.

12. In Putty enter `crontab -e` to edit cron jobs and create a scheduled task: to start Hard Disk Sentinel Linux edition which should recurrently save a report (the Status Source) in a folder, which is readable over the network.

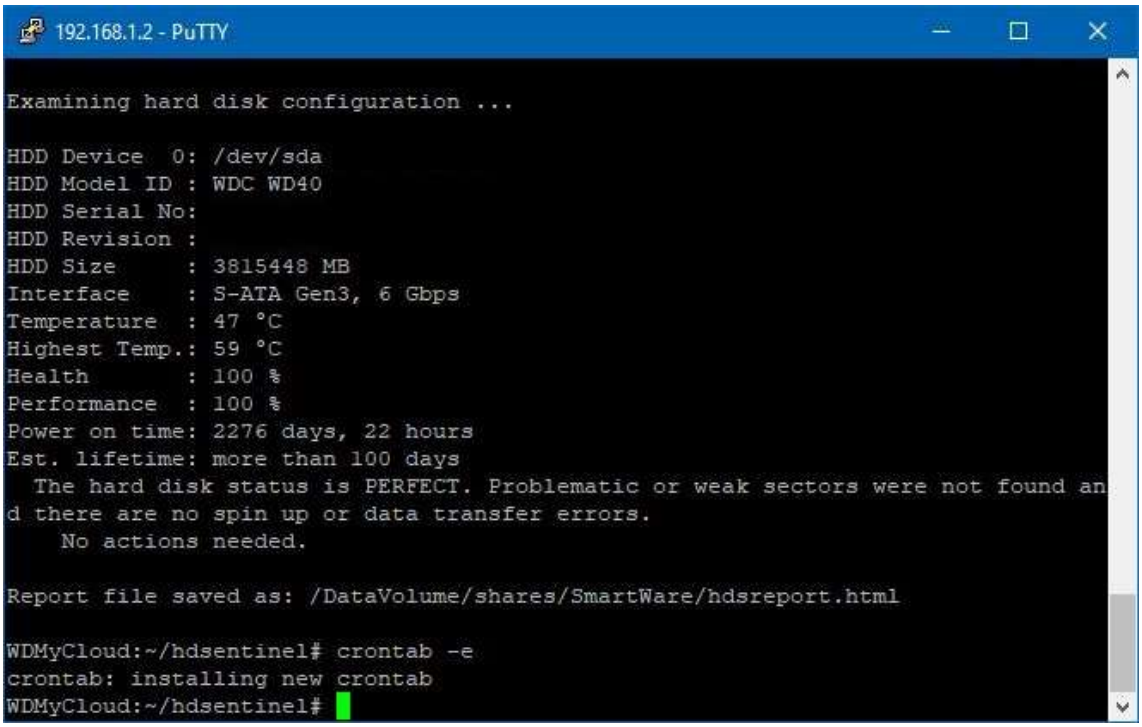


13. Navigate to the end of this file and add similar to the following line (assuming that */DataVolume/shares/SmartWare/* is the path you want to have the report saved – see point 11 above – and every 10 minutes either). Please refer to CRON documentation for further information or when in doubt:

```
*/10 * * * * ./hdsentinel/HDSentinelarmv7 -r /DataVolume/shares/SmartWare/hdsreport.html
-html
```

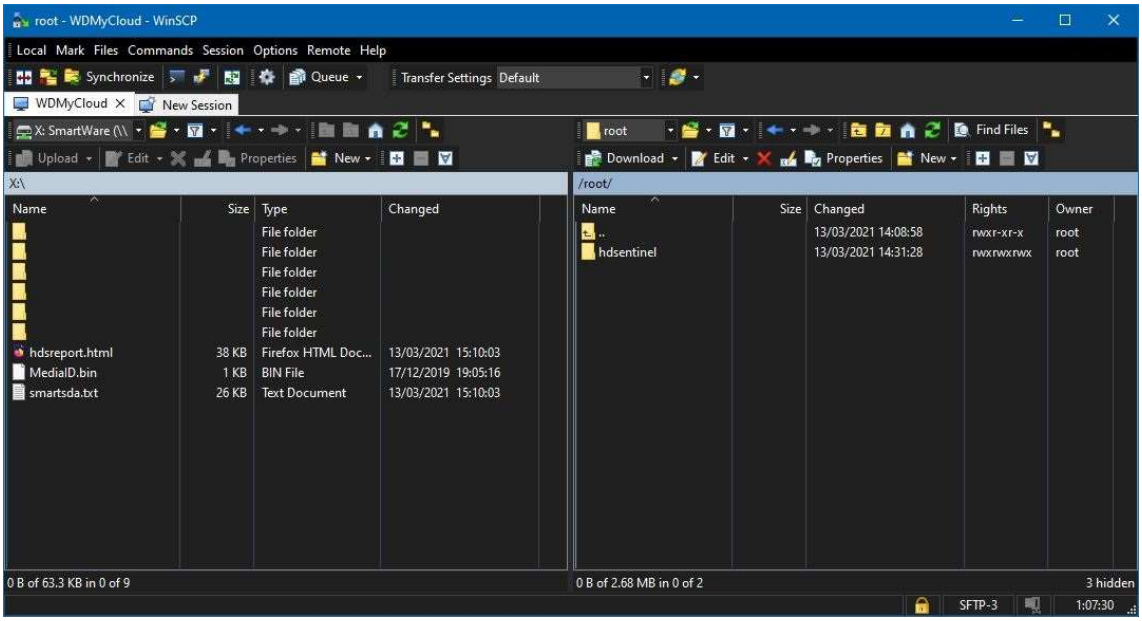


14. Then press CTRL+X to exit and confirm with ‘Y’ that you want to save the updated list.

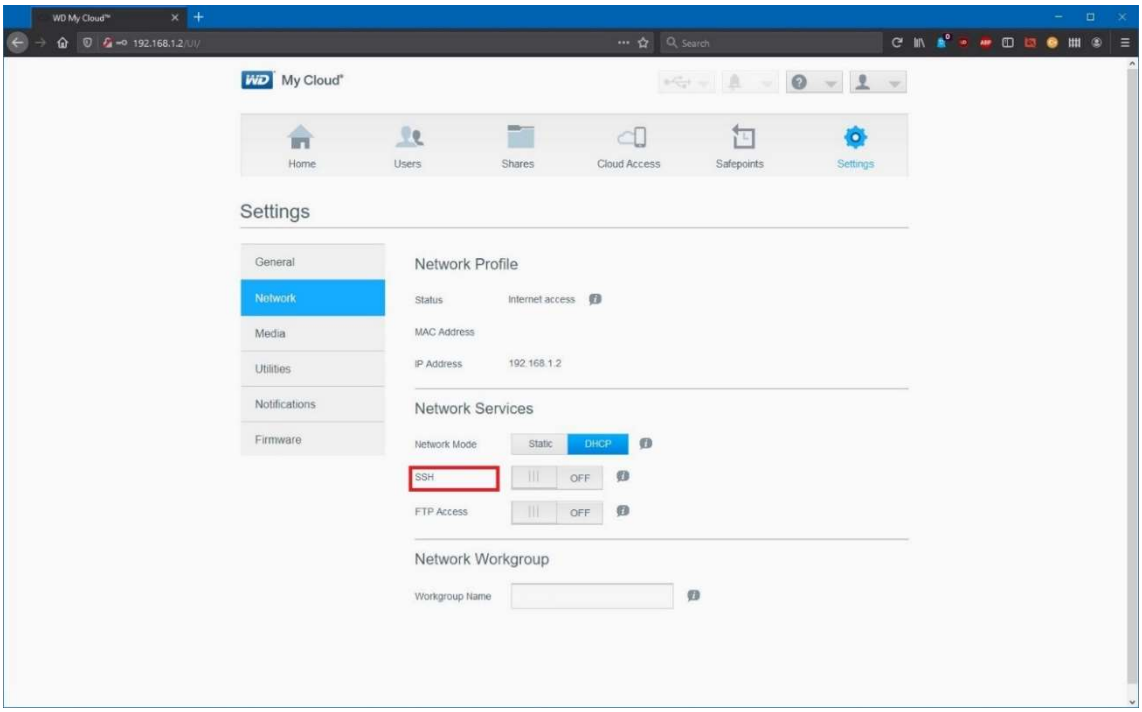


By this new entry in crontab, the Linux HDsentinel (which is downloaded in the */hdsentinel* folder) is launched every 10 minutes and saves updated report to */shared_folder_path /hdsreport.html* file *[/DataVolume/shares/SmartWare/hdsreport.html* in the above example] which is accessible over the network from your PC.

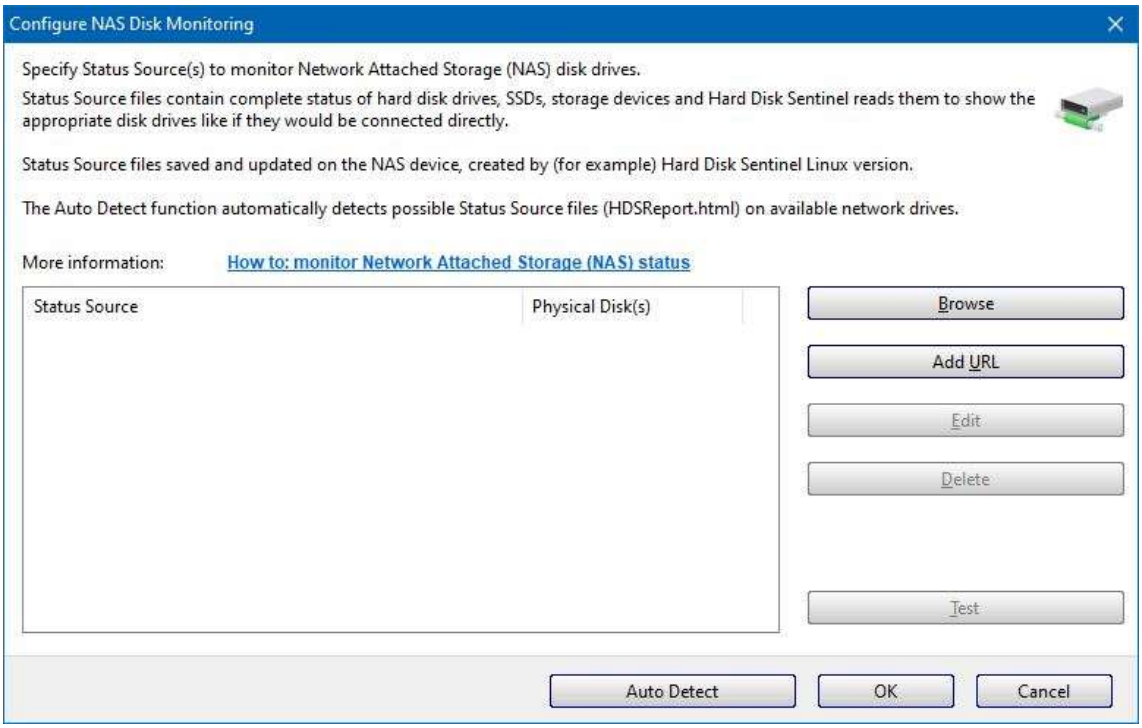
You can now wait 10 minutes or so to check the results:



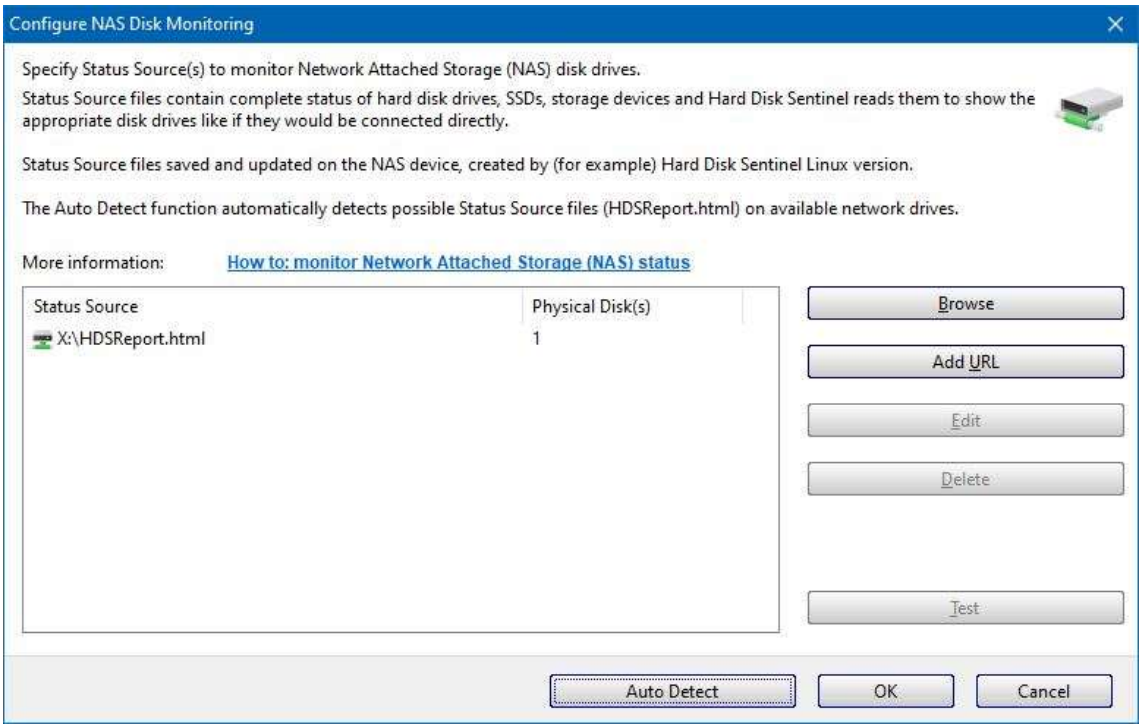
Assuming that all is working and as expected, the hard part is now done and you can just close WinSCP and Putty (use commands `exit` or `logout`).
What’s still remaining is to disable SSH access via MyCloud’s Web GUI (see point 2 above).



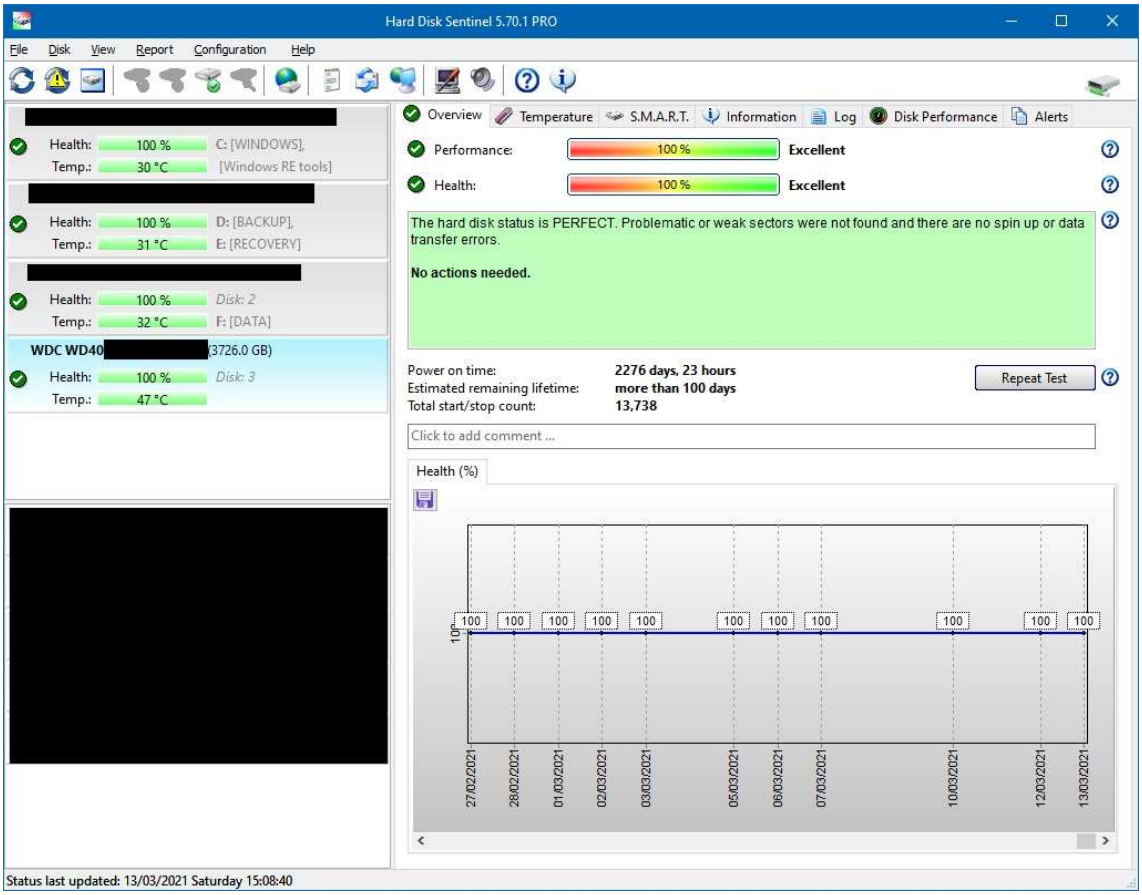
15. The last action is to make HD Sentinel Pro (under Windows OS) aware of the existence of the report so software can start reporting on it.
    Open HD Sentinel Pro, navigate to File / Configure NAS Monitoring and open dialogue box.



Either browse and point to the report itself, or use Auto Detect option (this assumes that report is saved in the root folder mapped as virtual drive – X: in the below example):


Configure NAS Disk Monitoring
Specify Status Source(s) to monitor Network Attached Storage (NAS) disk drives.
Status Source files contain complete status of hard disk drives, SSDs, storage devices and Hard Disk Sentinel reads them to show the appropriate disk drives like if they would be connected directly.
Status Source files saved and updated on the NAS device, created by (for example) Hard Disk Sentinel Linux version.
The Auto Detect function automatically detects possible Status Source files (HDSReport.html) on available network drives.
More information:
How to: monitor Network Attached Storage (NAS) status
Status Source
Physical Disk(s)
X:\HDSReport.html
1
Browse
Add URL
Edit
Delete
Test
Auto Detect
OK
Cancel

16. And voilà!


Hard Disk Sentinel 5.70.1 PRO
File Disk View Report Configuration Help
Health: 100 % C: [WINDOWS],
Temp.: 30 °C [Windows RE tools]
Health: 100 % D: [BACKUP],
Temp.: 31 °C E: [RECOVERY]
Health: 100 % Disk: 2
Temp.: 32 °C F: [DATA]
WDC WD40 (3726.0 GB)
Health: 100 % Disk: 3
Temp.: 47 °C
Overview
Temperature
S.M.A.R.T.
Information
Log
Disk Performance
Alerts
Performance: 100 % Excellent
Health: 100 % Excellent
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.
Power on time: 2276 days, 23 hours
Estimated remaining lifetime: more than 100 days
Total start/stop count: 13,738
Repeat Test
Click to add comment ...
Health (%)
100
27/02/2021
28/02/2021
01/03/2021
02/03/2021
03/03/2021
05/03/2021
06/03/2021
07/03/2021
10/03/2021
12/03/2021
13/03/2021
Status last updated: 13/03/2021 Saturday 15:08:40