5 ways to check hard drive effectively to help periodically check the hard drive

The following ways will help you check your hard drive, assess the current status of the hard drive on the computer you are using. Since then, there have been early instabilities to find out timely measures to avoid hard drive failure and data loss.

The hard drive is the computer's data storage location. To assess the durability and operational status, we will use the SMART system (Self-Monitoring, Analysis, and Reporting Technology). However, Windows does not allow users to easily find and understand this important parameter.

Therefore, TipsMake.com will introduce you the following ways to check the hard drive, assess the current status of the hard drive on the computer you are using. Since then, there have been early instabilities to find out timely measures to avoid hard drive failure and data loss.

1. Instructions for checking the temperature of CPU, VGA, hard drive of computer, laptop
2. 14 secrets of a laptop buyer

How to check hard drive periodically

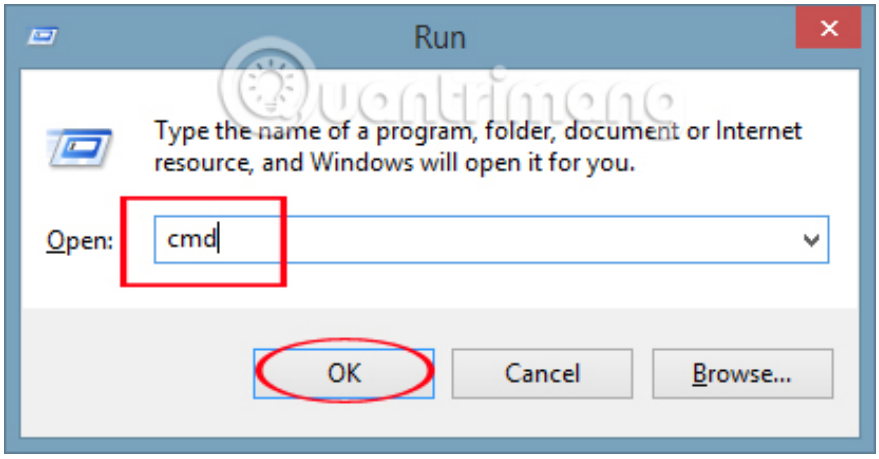
1. 1. How to check the hard drive with CMD command
2. 2. How to check the drive with the tool available on Windows
3. 3. Use CrystalDiskInfo software to check the hard drive
4. 4. How to check SSD hard drive life on Mac OS
5. 5. Check life expectancy on Windows SSDs

1. How to check the hard drive with CMD command

If you don't want to have to install any software, the checkout process is quick and can be done via the Command Prompt command line.

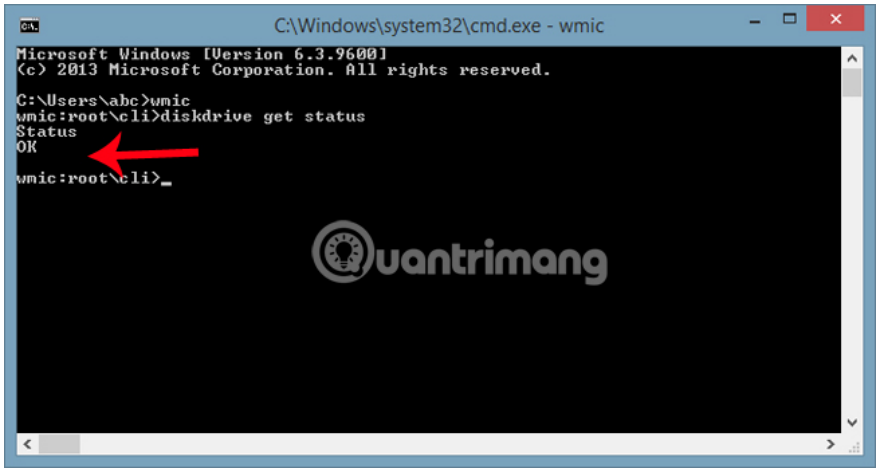
Step 1:

First, press the **Windows + R** key combination to open the **Run** window. Next, enter the **cmd** keyword and click **OK** to open the Command Prompt window.



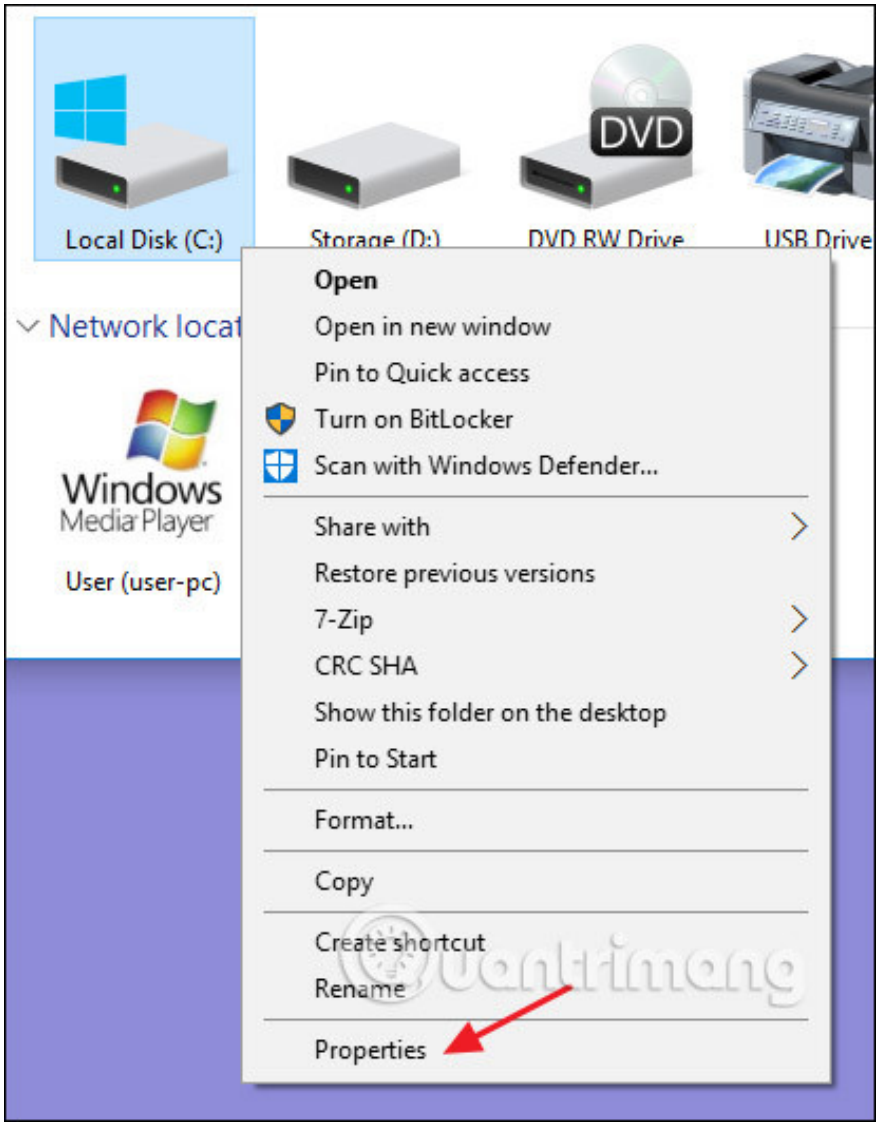
Step 2:

In the **Command Prompt** window, type **wmic** and press Enter. Type the command **diskdrive get status** and also press **Enter** . If you see an **OK** line, it means that the hard drive is working properly. If it does not appear OK, then your hard drive is having problems and needs to be checked for errors.

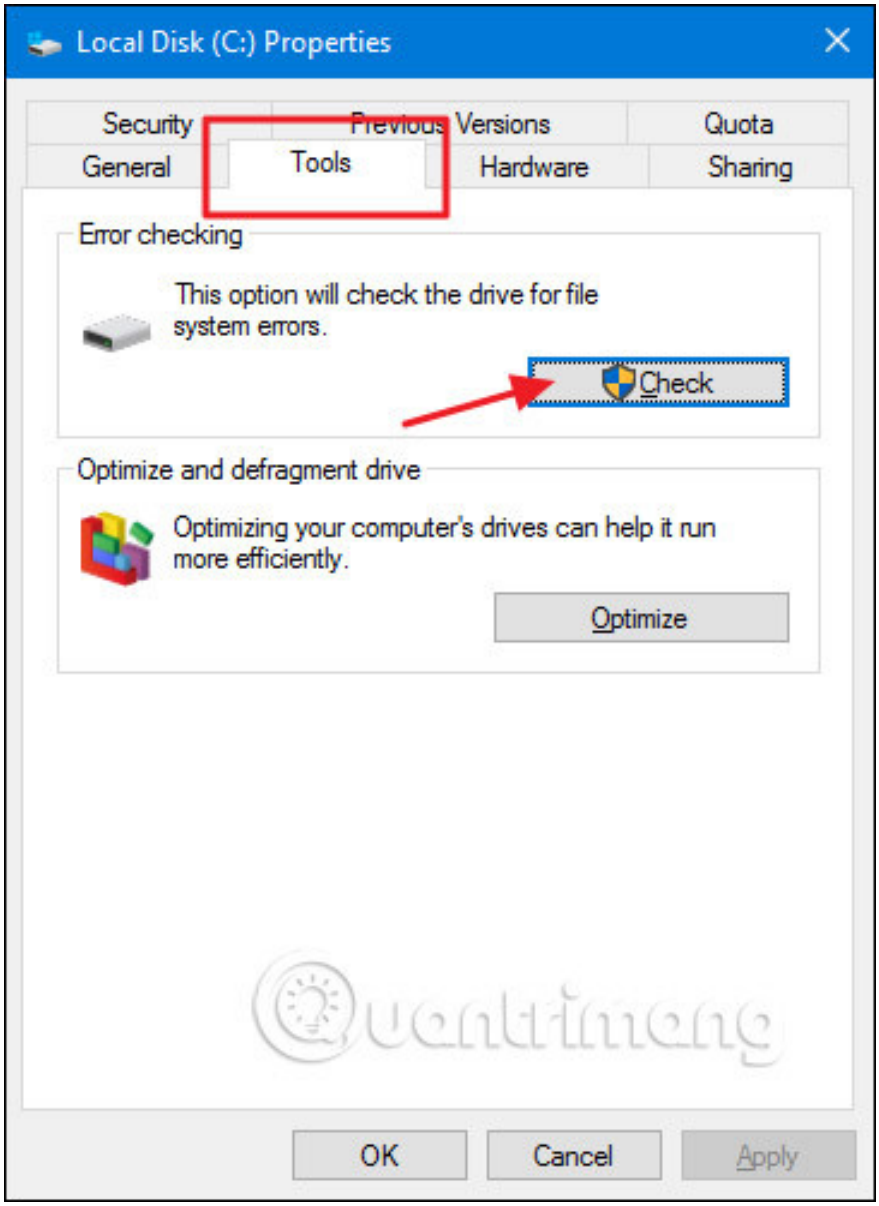


2. How to check the drive with the tool available on Windows

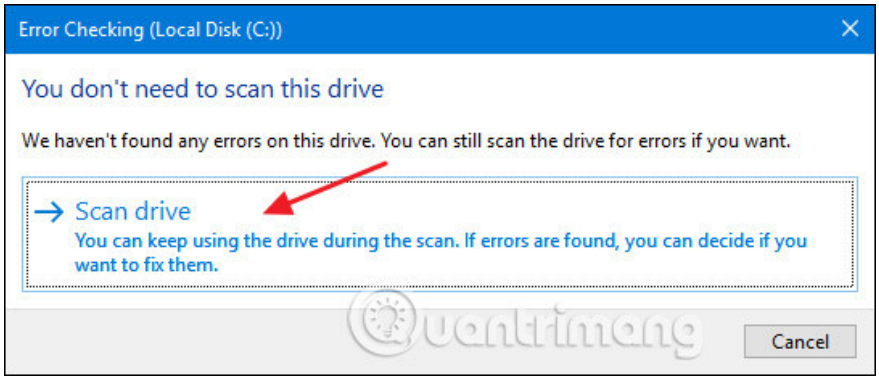
Running the Check Disk tool from the desktop in Windows is easy. In File Explorer, right-click the drive you want to check, then select ' **Properties** '.



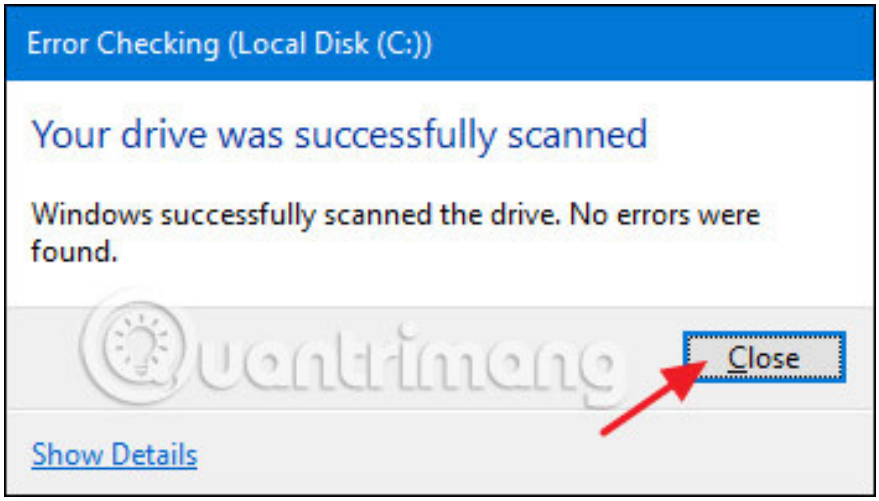
In the Properties window, switch to the **"Tools"** tab and then click the **"Check"** button **.** In Windows 7, the button is named " **Check now** ".



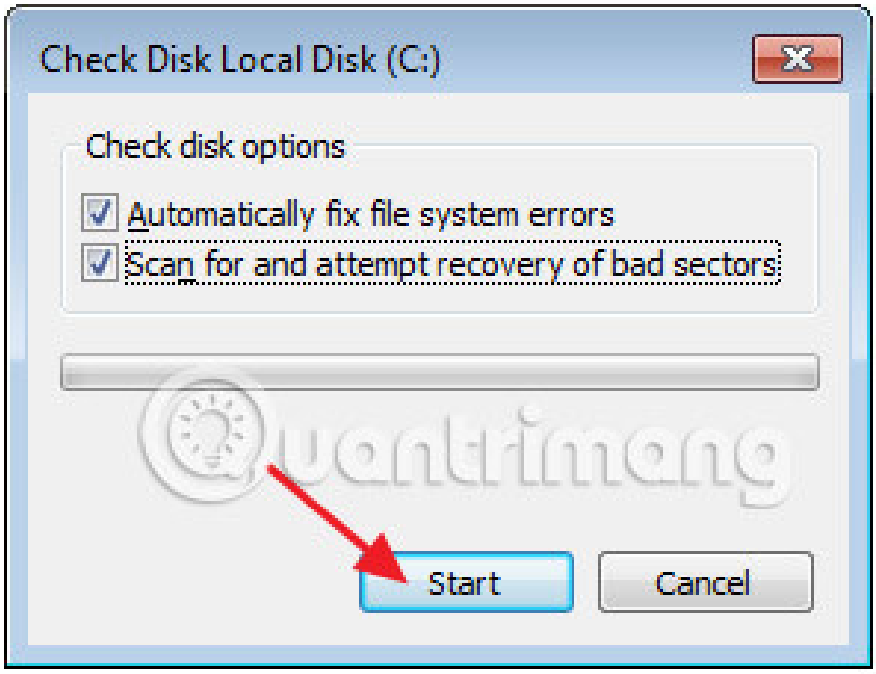
In Windows 8 and 10, Windows can inform you that it has not found any errors on the drive. You can still perform manual scans by clicking " **Scan drive** ". This will first perform scans without repair, so it will not restart your PC at this time. If the quick scan of the drive shows any problems, Windows will present that option to you. However, if you want to force chkdsk to work, you will have to use the Command Prompt to run chkdsk (read the following in the article).



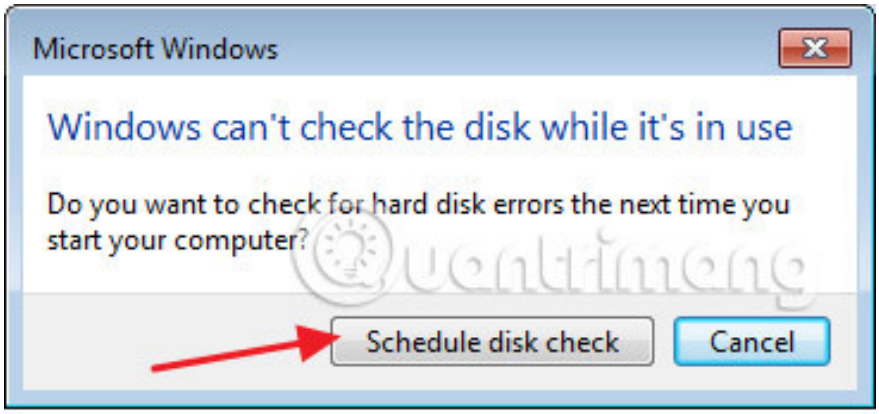
After Windows scans your drive, if an error is not found, you can simply click **'Close'.**



In Windows 7, when you click the ' **Check now** ' button, you will see a dialog box that allows you to select some additional options, namely whether you want to automatically fix file system errors and scan for bad sectors. is not. If you want to perform the most comprehensive disk check, continue and select both options and then click " **Start** ". Just be aware that if you add sector scans to the combined list, checking the drive may take a long time. That may be what you want to do when you don't need to use the computer for a few hours.



If you choose to fix file system errors or scan bad sectors, Windows will not be able to perform a scan while the drive is in use. If that happens, you will have the option to cancel the scan or schedule a drive check the next time you restart Windows.

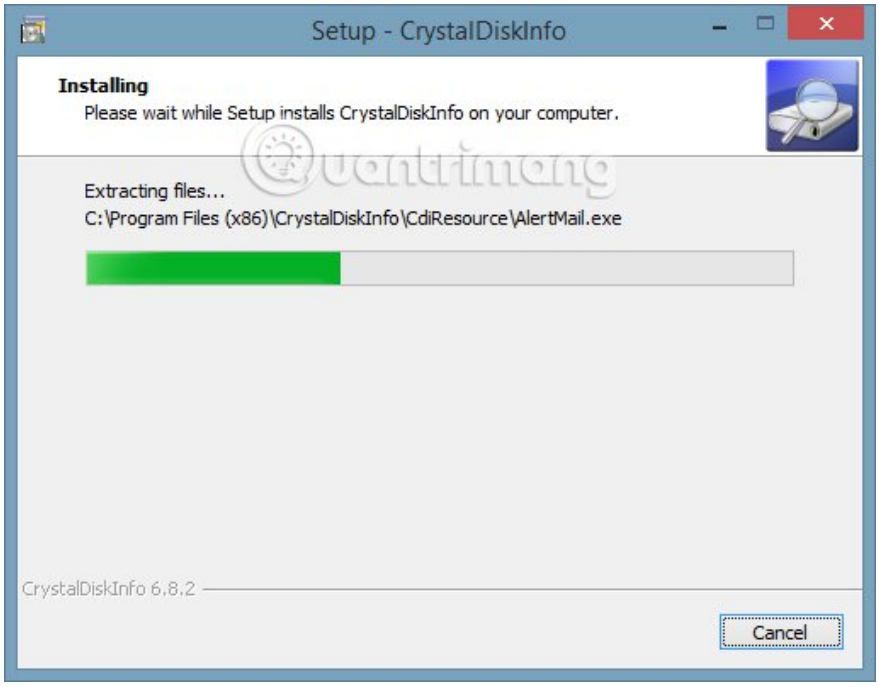


3. Use CrystalDiskInfo software to check the hard drive

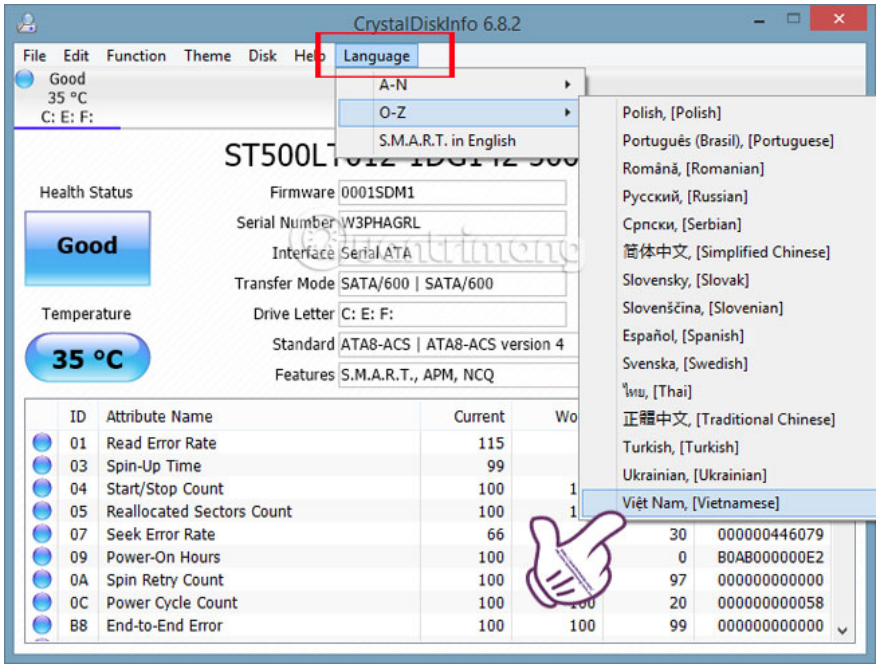
If you have not yet seen the test effect when using the above two options, you can use hard drive health check tools such as CrystalDiskInfo.

1. Download CrystalDiskInfo software for free

After successfully downloading the software on the computer, we proceed to install the program.

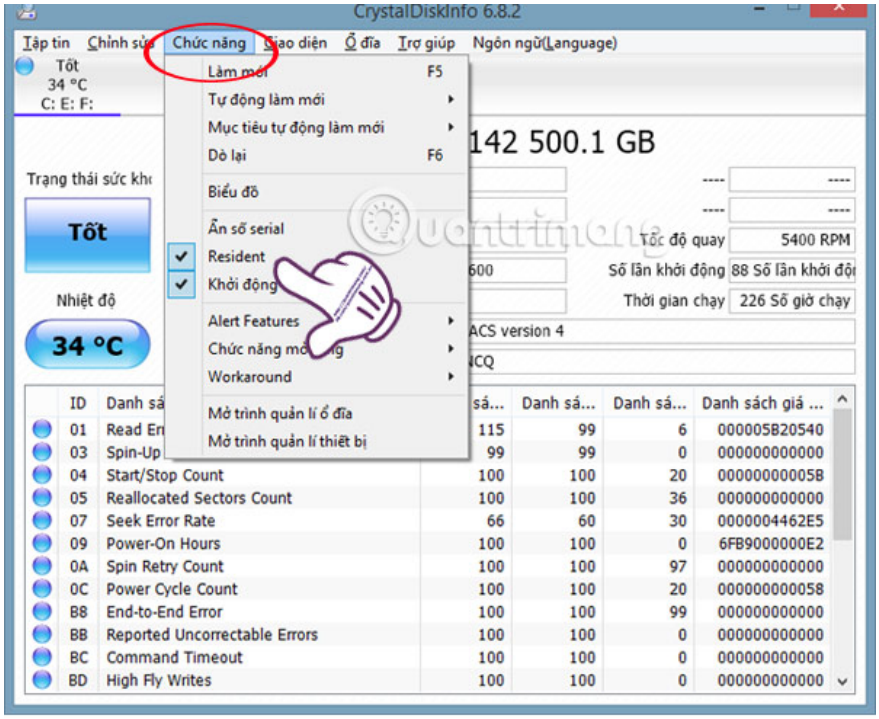


Soon, the software will check the health of the hard drive in the computer. You will see, the program's interface provides all the information, such as the drive name, capacity, temperature, etc. If the interface you are using is in the English language, click the **Language** section above. and choose to Vietnamese for ease of use.



From what CrystalDiskInfo software provides to users, you can identify hard drive-related errors to get a timely fix of the problem.

In order for the software to remain in **the background** , click on Function and then select **Resident** . To start with Windows, we also go to the **Function** section and select Startup.



So after setting up, you will see **2 icons of CrystalDiskInfo taskbar** . We can immediately click on it to check the hard drive and to know the warnings as soon as the hard drive has a problem.

Here are 3 methods to help you check the performance of your hard drive on your computer. These 3 methods are quite simple and fast, not too many operations even when installing CrystalDiskInfo software. You should check the status of the hard drive regularly so that you can know the error and find the fastest way to fix it.

4. How to check SSD hard drive life on Mac OS

The life of an SSD is a finite number with a certain data cycle of 10,000 or more. The number of data recording cycles of SSDs is a few thousand, but it is not a problem to worry about. For example, every day we will write about 100GB of data, then after 10.0000 days we can only write 1PB of data to the SSD. And to check the capacity recorded on the SSD is also very simple.

To check the amount of data recorded on the Mac's SSD we will **use the Terminal command** .

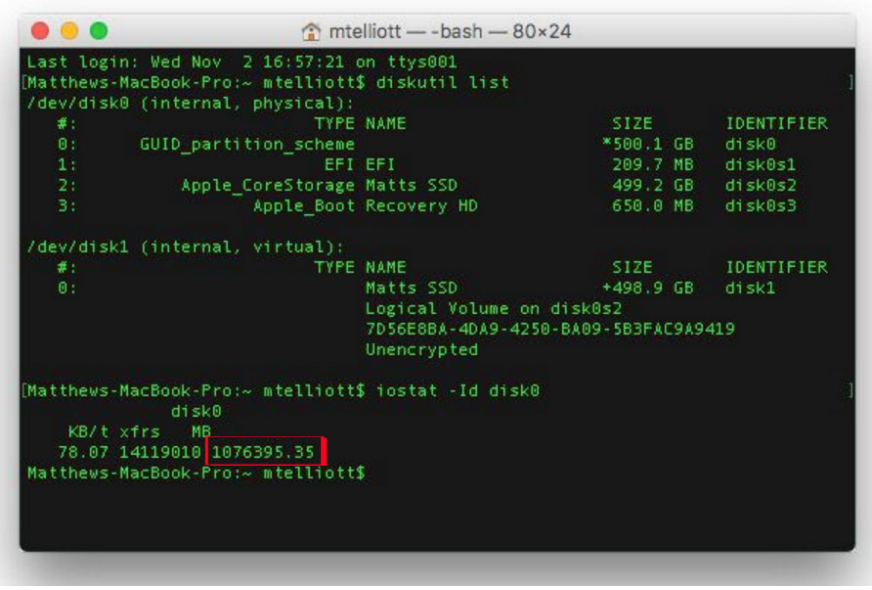
First, open the Terminal on the machine and enter the **diskutil list command** line. The new list will include virtual disks and disks. We need to find **the real hard drive** . In the example will be disk0.

Next, we enter the **iostat command -Id disk0** . Depending on the serial number of the drive on the machine, the disk0 part may be replaced by another symbol.

In the picture below, we will see the symbols including:

1. KB / t = kilobyte / transmission.
2. xfrs = number of transfers.
3. MB = number of megabytes transferred.

The **MB =** section shows the **amount of data recorded on the drive** . And here is 1,076,395.35MB of data that has been written to an SSD, about more than 1TB of data.

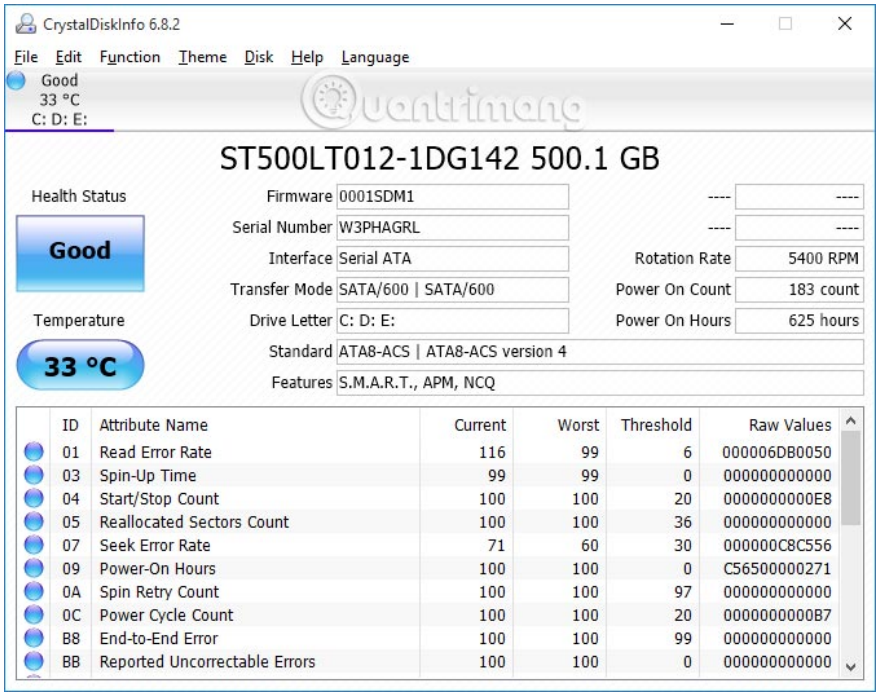


5. Check life expectancy on Windows SSDs

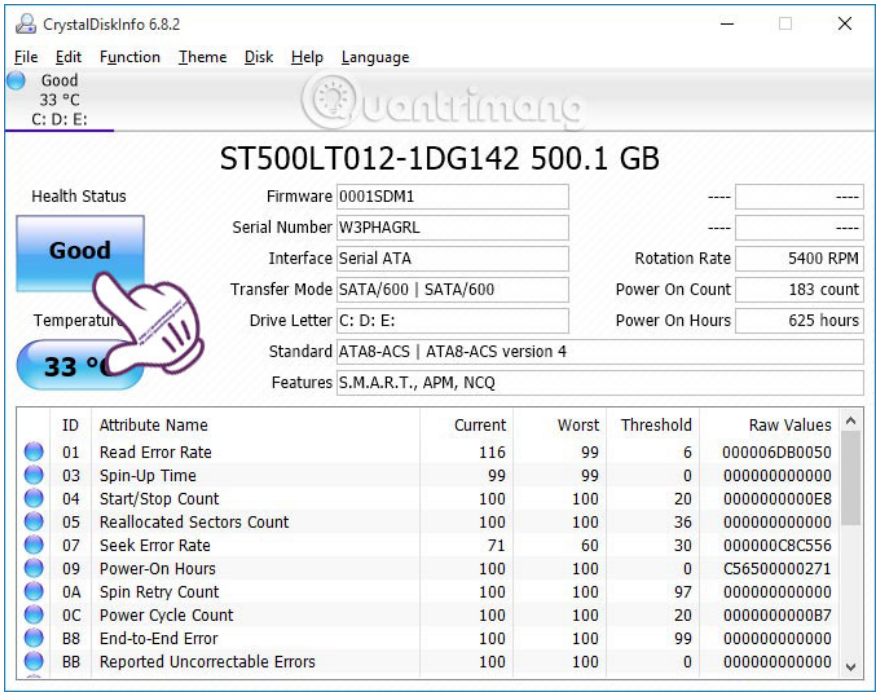
Just like checking the health of the drive that we discussed above, to check the life and the amount of data recorded on the Windows SSD, we can also use CrystalDiskInfo software.

1. Download CrystalDiskInfo software for free

CrystalDiskInfo has a very fast installation process on the computer. The following is the interface of **CrystalDiskInfo** after installation is complete.



In the **Health Status** section, the SSD status will be displayed here. If the **Good** message means the SSD is working well.



So we have completed the steps to check the amount of capacity recorded in the SSD, as well as check the life of the drive. SSDs are chosen by many people to store data compared to using HDD.

Refer to the following articles:

1. 4 steps to troubleshoot audio loss in Windows

1. 4 ways to Reset Windows to its original state

1. How to fix the screen error of Windows 7/8 / 8.1 / 10 is black

I wish you all success!

You finished reading the article "**5 ways to check hard drive effectively to help periodically check the hard drive**" edited by the **TipsMake** team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.
