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Paragon HFS+ for Windows

Quick User Guide

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Product Concept

Data sharing between Mac and Windows domains remains a problem, as Windows still doesn't know a thing about HFS+, the primary file system for Macintosh computers, while Mac OS X only provides read access to NTFS. While Paragon NTFS for Mac solves this naughty issue in Mac OS X, Paragon HFS+ for Windows does it in Windows OS.

With HFS+ for Windows driver onboard, you can plug in HFS+/HFSX storages to your PC and get access to their contents for reading, copying, or modification. The driver is based on the [Paragon UFSD technology](#) (Paragon Universal File System Driver) that provides higher data transfer rates than the native HFS, rock-solid stability, and rich hardware support (USB, FireWire, eSATA, SATA or IDE).

Key Features

- Provides fast and transparent read/write access to HFS+ and HFSX under Windows
- Gets ready to work in a couple of minutes
- Runs at startup and auto-mounts all found Mac partitions
- Supports the latest Windows 10
- Supports Boot Camp configurations
- Includes online and offline [product activation options](#)
- Includes an automatic product updater

Known Issues

- No support for Apple Core Storage configurations
- No support for resource forks
- No support for symbolic links and hard links
- No support for ACL (Access Control List)
- HFS partitions resided on a GPT disk will not be automatically mounted
- Unmounted partitions will not be automatically mounted after OS restart
- Size of compressed files is always zero

Key Use Cases

- **Import/Export data from/to HFS.** Let's assume that a hard drive has been taken out from Mac and you need to copy files to or from this disk under Windows OS. Just install our driver, connect this disk via eSATA connector or USB-to-SATA adapter to your PC and here you go – all files on Mac-native volumes are available to work with under Windows.
- **Open documents and multimedia files directly from HFS.** If you want to watch movies or open large documents contained on a Mac-native volume from your PC, simply install our driver, connect this disk directly to your PC and enjoy the show.

Getting Started

In this chapter you will find all the information necessary to get the product ready to use.

System Requirements

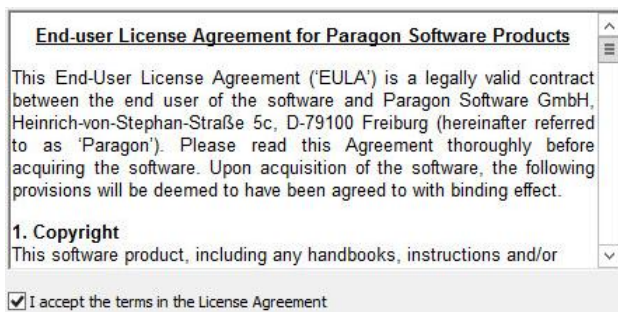
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10
- Windows Server 2008 (32 or 64 bits)
- Windows Server 2012 R1/R2

Installation

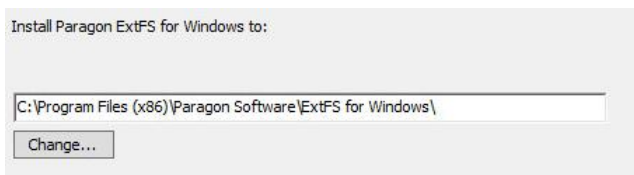


Due to specifics of Windows 8 or Windows 10 Fast Startup feature, we highly recommend you to disable it before installing the driver to avoid possible file system corruption. For more details, please refer to Microsoft Knowledge Base: http://answers.microsoft.com/en-us/windows/wiki/windows8_1-performance/fast-startup-how-to-disable-if-its-causing/f9a4a2d0-104d-42dc-9946-4a2e13c0a348.

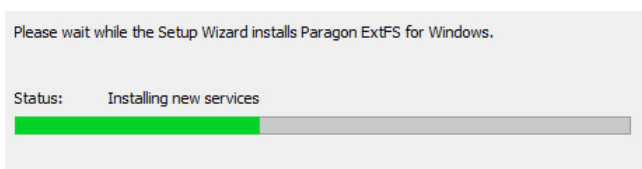
1. Click on the supplied setup file to initiate the installation.
2. Click **Continue** on the Welcome page.
3. In order to continue the installation you are to accept all conditions stated in Paragon's license agreement. You can also print out the agreement by using the appropriate button.



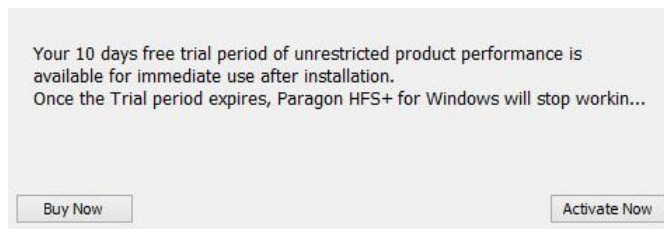
4. If necessary manually edit the installation path or click **Change...** to browse for the required location.



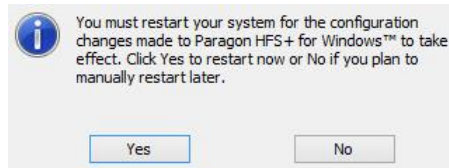
5. Click **Install** to roll out the installation.



6. You will be prompted to activate the product by providing a serial number you get after purchasing. If you'd like to try the driver for free during a 10-day period, click **Next** at this step. For more details, please consult the [Product Activation](#) chapter.



7. Finally click **Restart** to complete the installation.



Product Activation

HFS+ for Windows is a commercially distributed product, which is however can be used with no limitations completely for free during a 10-day trial period. After that you won't be able to use it until activated over the Internet.

Online Activation

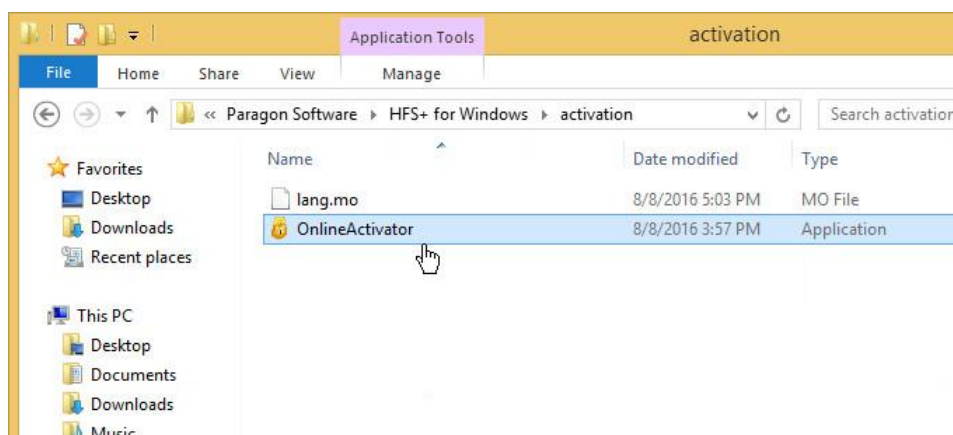
If you haven't activated the product during the installation, you can purchase and unlock it for unlimited use at any moment through a program dialog called every time Windows is started or logged on. [The recommended procedure](#) requires an active Internet connection and minimal participation from your part. However, if you don't have the Internet on the target computer, you can try [an offline option](#).

There are two ways of activating the product over the Internet: with login to [MyParagon Customer Portal](#) and [without it](#). We highly recommend you to use the first option to let us offer you personal discounts in the future.

1. First you should purchase the product. The easiest way is to use a direct link by clicking on **Buy Full Version...**



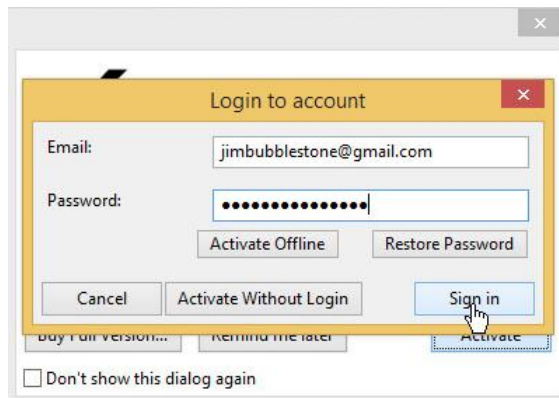
If you have disabled the activation dialog by selecting the corresponding option, please go to "C:\Program Files (x86)\Paragon Software\HFS+ for Windows\activation" and launch **OnlineActivator.exe**.



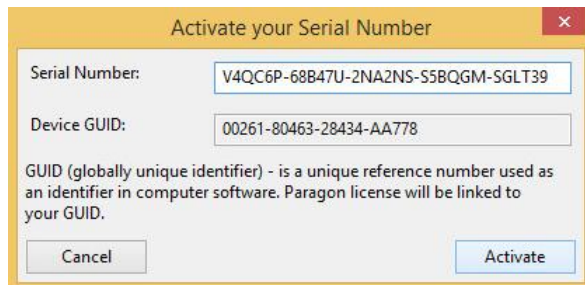
2. By this moment you should have your own serial number. Click on **Activate**.

Activating with login

3. In the opened dialog enter an email and password of your Paragon's account, then click **Sign in**.



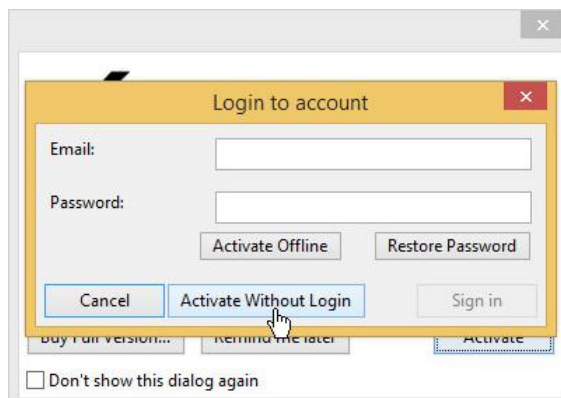
4. If you have purchased the product online as described in the first step, then your serial number will be pasted automatically. If having to do with a box version of the product, enter your serial number, then click **Activate**. This info will be sent to our activation server to complete the procedure.



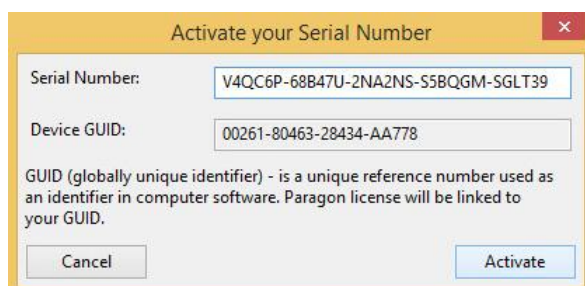
5. If a success, you'll get a corresponding notification.

Activating without login

3. In the opened dialog click **Activate Without Login**.



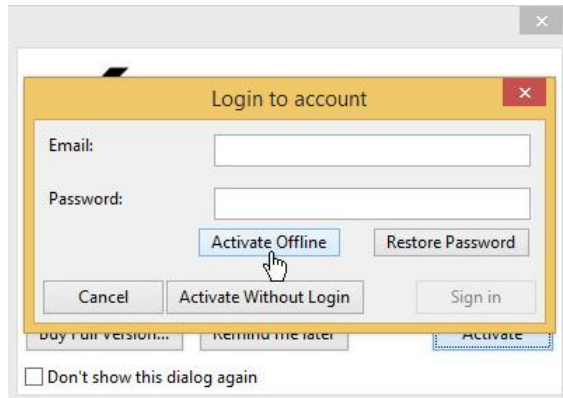
4. Enter your serial number, then click **Activate**. This info will be sent to our activation server to complete the procedure.



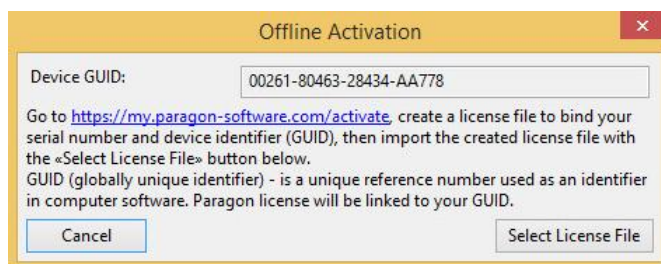
5. If a success, you'll get a corresponding notification.

Offline Activation

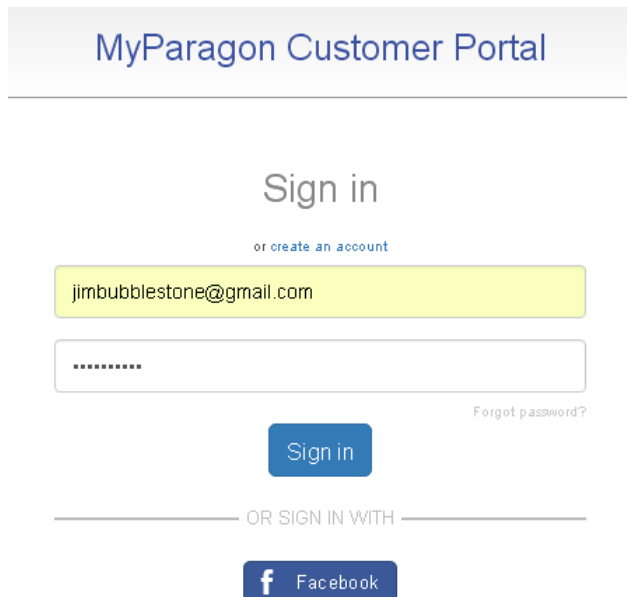
1. If having problems with the Internet or specifically configured Firewall at login to your Paragon's account on the target computer, try an offline option.



2. Write down your GUID and the provided link somewhere.



3. Use the saved link on any computer with the Internet to visit the company's website to sign in to your Paragon's account.



4. Enter your serial number and GUID in the corresponding fields, then click **Export license file**.

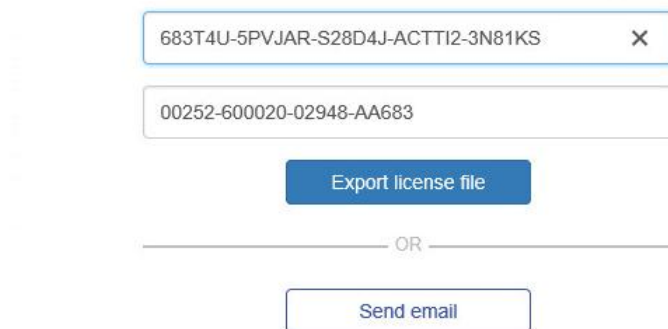
Offline activation

If you've arrived on this page, chances are you're having a problem activating your copy of a Paragon Software product online.

To resolve this issue, we offer an offline activation procedure, which takes just three simple steps:

1. Create a special license file, which binds the serial number of your product together with a unique identifier for your system (GUID). You can locate the GUID of your computer in the software's offline activation dialog.
2. Export the license file to your computer.
3. Import the license file from your system to the Paragon product installed on the device with the license-bound GUID.

For steps 1 and 2, please enter your serial number and device GUID in the form below to generate the license file. Next, click «Export license file».

The form consists of two input fields stacked vertically. The top field contains the text '683T4U-5PVJAR-S28D4J-ACTT12-3N81KS' and has a small 'X' icon on the right. The bottom field contains the text '00252-600020-02948-AA683'. Below these fields is a blue button labeled 'Export license file'. Below the button is a horizontal line with the word 'OR' in the center. Below the line is a button labeled 'Send email'.

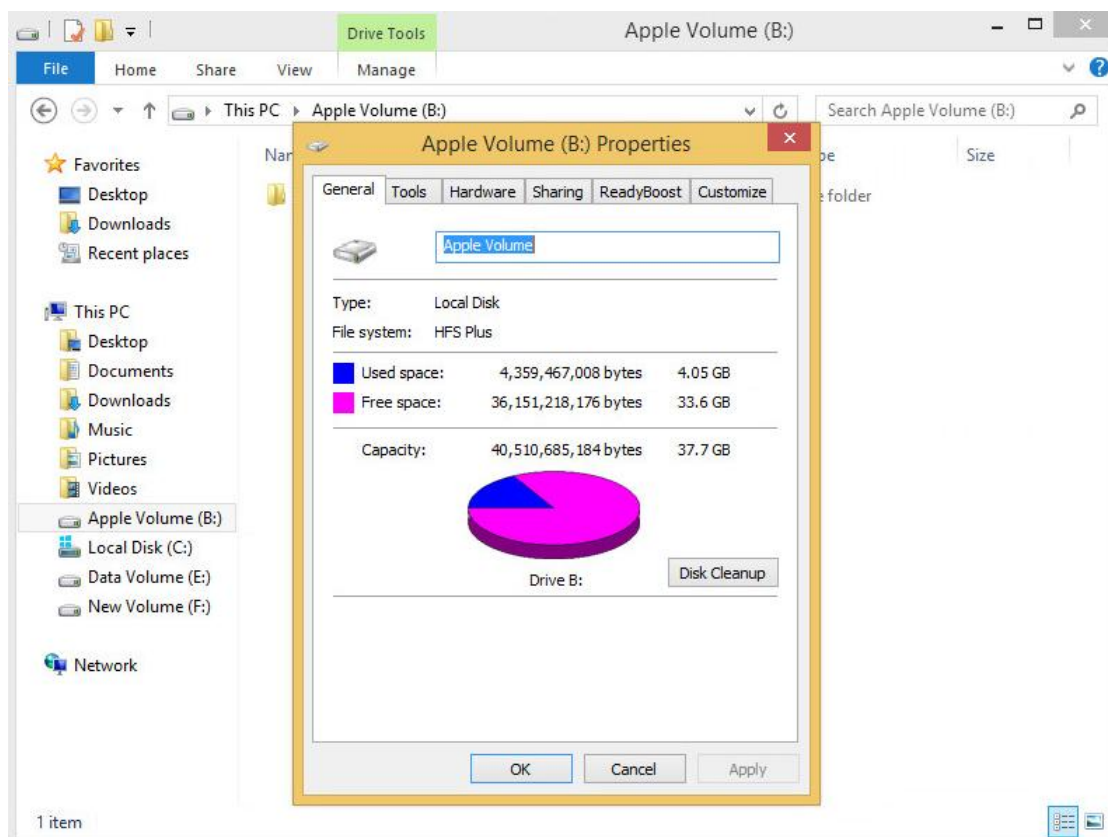
When finished, you'll need to switch back to the Paragon Software product and import the created license file.

If you still have questions or issues activating your software, please contact our Support Team via [MyParagon > Support > New Support Request](#).

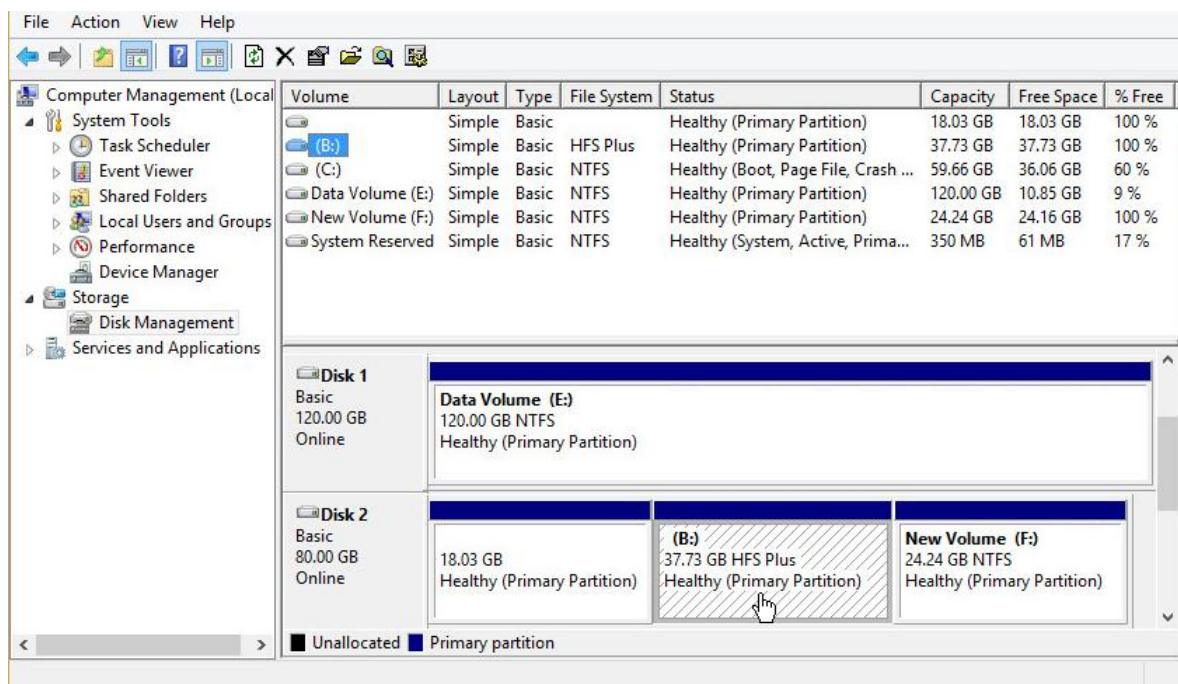
5. If the provided data is valid, you should get the "LicenseSet.xml" file. Copy it to the target computer, then use the **Select License File** option for the import.
6. If a success, you'll get a corresponding notification.

Working with the Driver

After the product has been installed, Windows will automatically mount (assign drive letters to) all found HFS+ and HFSX volumes, which you can see in Windows Explorer



or Windows Disk Management.

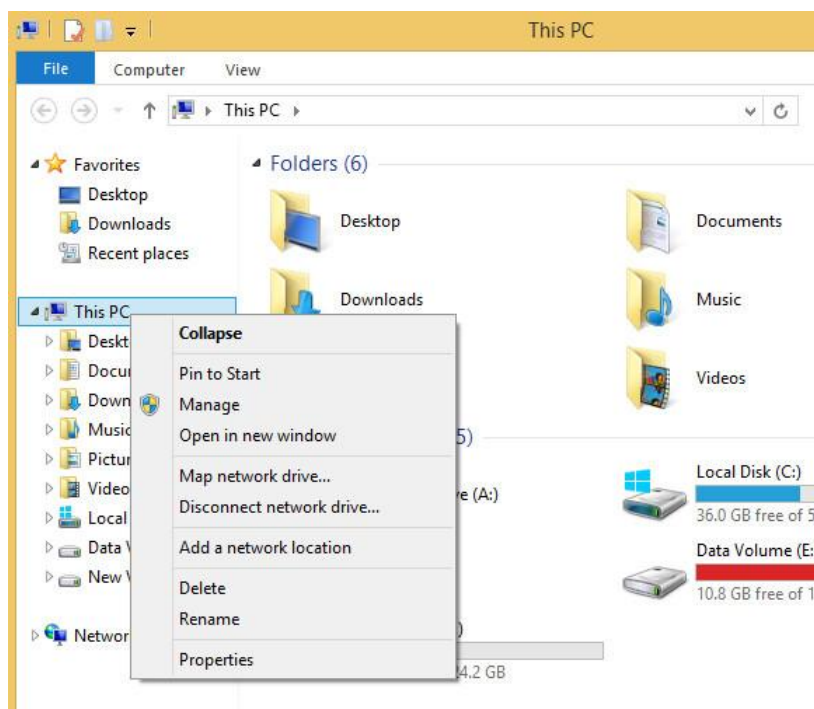


Now you can carry out any operation on mounted HFS partitions as if they were Windows-native:

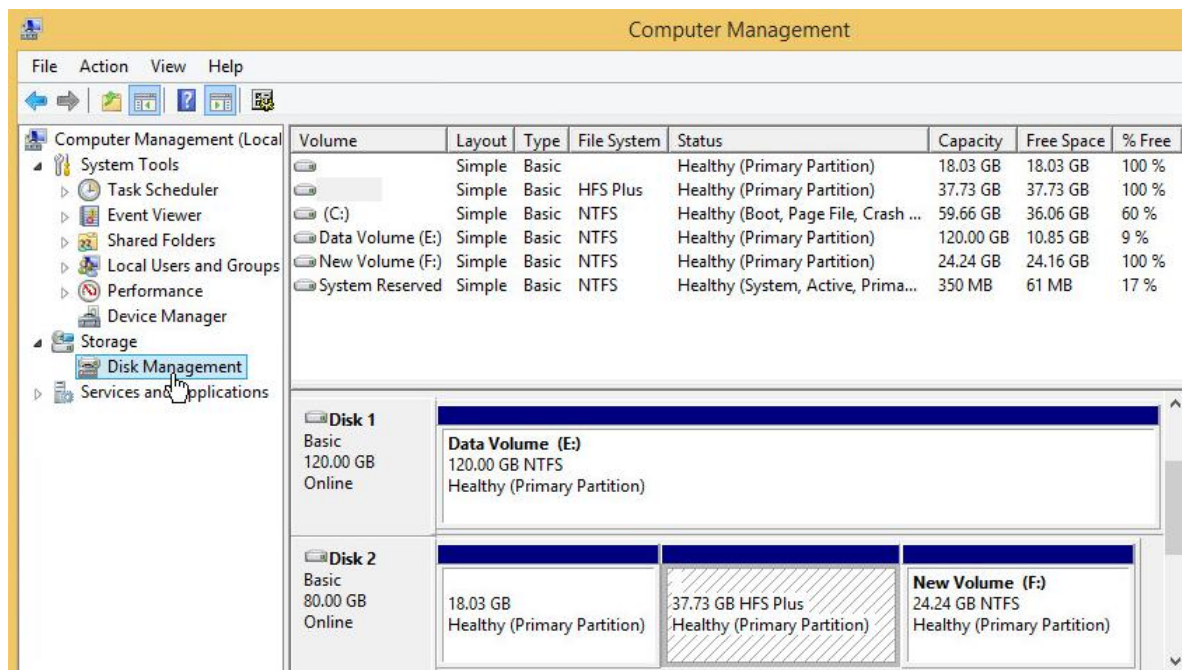
- Transfer data,
- Modify data,
- Delete data, or whatever you feel like doing.

Please note that if the auto-mount feature is disabled in your operating system or Apple partitions are resided on a GPT disk, you will need to mount HFS partitions manually with through Disk Management:

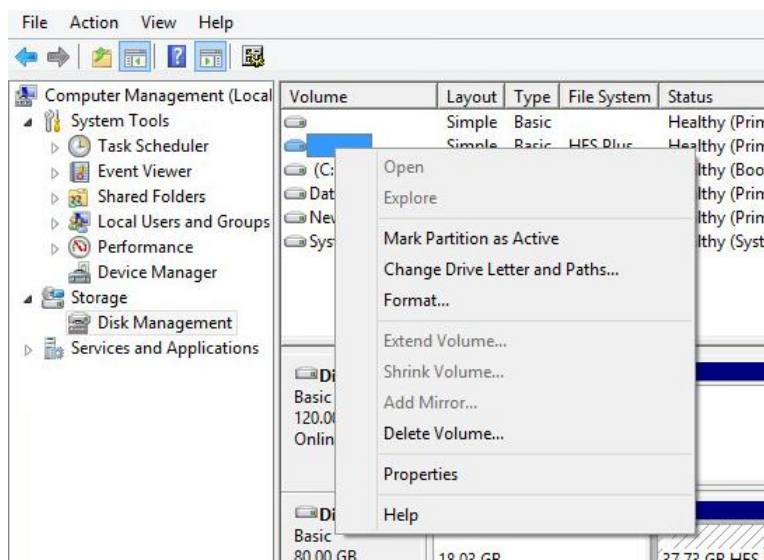
1. Right click the **This PC** icon, then select **Manage** to open Computer Management.



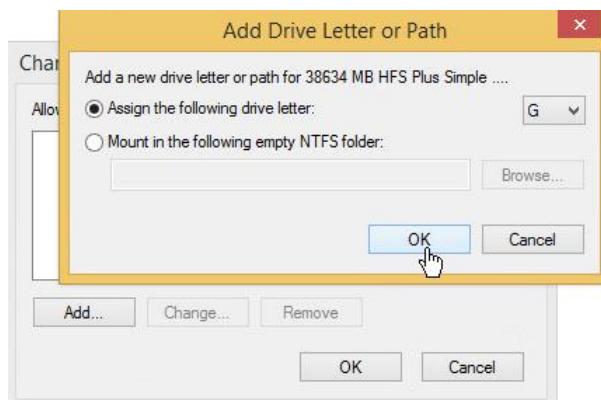
2. In the opened window, select **Disk Management** in the left pane to see all storage devices connected to your computer in the right pane.



3. Right click a HFS+/HFSX partition, then select **Change Drive Letter and Paths...** in the opened menu.



4. Click **Add...**, then select a vacant drive letter from the pull-down list to assign it to the partition. Click **OK** to complete the operation.



5. As a result the specified partition will become available for all applications.

Updating the Driver

Paragon HFS+ for Windows automatically checks company's website for available updates at every Windows logon or once a day. If a new version of the driver has been found, you will be prompted to install it.