

Forum:[Hack Forums](#)

Thread: [HDD to SSD \(Windows 10 transfer\)?](#)

TheWolf™ - May 12, 2018, 5:05 pm

I just recently purchased a SSD and it only has 128GB on it. My hard drive has 1 TB of space on it. It has about 800GB used up, I was wondering if it was possible to move my OS (Windows 10) from the hard drive to SSD so I can have faster boot times and a faster computer overall.

Note: I only want to migrate the OS not everything else and all the junk that my hard drive has. Is this possible and if so, how would I be able to do it?

Cheers, ?

Gt403cyl - May 12, 2018, 5:28 pm

Nope, this is why we suggest getting the SSD first.

You can migrate the data over if the SSD is larger than the current used space on the HDD but that is the only way.

TheWolf™ - May 12, 2018, 5:32 pm

(May 12, 2018 05:28 PM)Gt403cyl Wrote: [\[CITE\]](#) Nope, this is why we suggest getting the SSD first.

You can migrate the data over if the SSD is larger than the current used space on the HDD but that is the only way. I just took the hard drive from my old pre-built computer and used that as I didn't want to lose much. Would I have to start fresh on the SSD?

Cheers, ?

Xycon - May 12, 2018, 5:51 pm

A fresh install on the SSD would be the best way to go about things. You would also clean up register files and whatever junk remains this way.

The only other way would be to reconnect the HDD to the system it came out of and uninstall everything down to a size that fits on the SSD, but you would still have a messy register then. + this would most likely take a lot more effort.

Mr.Cat - May 13, 2018, 2:46 pm

(May 12, 2018 05:28 PM)Gt403cyl Wrote: [\[CITE\]](#) Nope, this is why we suggest getting the SSD first.

You can migrate the data over if the SSD is larger than the current used space on the HDD but that is the only way.

He can separate his hdd in 2 partitions and move windows to the first partition and everything else to the other. Then he can clone the partition of windows to the ssd, delete the partition and disconnect the hhd, then with a simple restart he can let the computer read the ssd clone and after that he can connect his hdd again . There are more ways but it requires some knowledge.

But op i think 120 GB is not enough you need at least 250

Xycon - May 13, 2018, 5:05 pm

(May 13, 2018 02:46 PM)Mr.Cat Wrote: [\[CITE\]](#) He can separate his hdd in 2 partitions and move windows to the first partition and everything else to the other. Then he can clone the partition of windows to the ssd, delete the partition and disconnect the hhd, then with a simple restart he can let the computer read the ssd clone and after that he can connect his hdd again . There are more ways

but it requires some knowledge.

But op i think 120 GB is not enough you need at least 250

Okay, that would be a 3rd way yes ..but honestly, that's just even more stupid.

And what do you mean 120 is not enough? I have systems running full windows 10 copies + a bunch of other programs and the SSD is only 64GB, and I am not even using 45GB.

Depending on needs, it could be plenty. It sure is plenty for just windows.

Mr.Cat - May 13, 2018, 6:26 pm

(May 13, 2018 05:05 PM)Xycon Wrote: [\[CITE\]](#) Okay, that would be a 3rd way yes ..but honestly, that's just even more stupid.

And what do you mean 120 is not enough? I have systems running full windows 10 copies + a bunch of other programs and the SSD is only 64GB, and I am not even using 45GB.

Depending on needs, it could be plenty. It sure is plenty for just windows.

Depending on which version of windows you have it can go from 40 to 60 GB But for just windows yes. Tho to maintain performance you also need to leave 20% of the disk free and using an ssd to run only windows is a shame in my opinion.. With 250GB you can do much more like move heavy games from the hdd to the ssd and play, or programs... then when you are done you can put them back. For the price it is worth it.

Yes you can get away with a 120 ssd but my recommendation is at least 240-250.

Btw when you have a 1TB hdd you should always have 2 partitions from the beginning. The first partitions in always faster than the second one because its closer to the middle of the disk and it spins faster.

final kaoss - May 15, 2018, 5:26 pm

For just installing windows on a SSD, 128 GB is more than enough. Just make sure to keep all of your extra programs (that don't need to be installed) onto a separate drive after you get windows on the SSD. Just be careful on what you install on the SSD, maybe steam and a couple of (big) games for a 128 GB.

Also, make sure that you go to Documents and transfer that folder over to the new windows install, if you want to transfer a majority of your game saves.

webdev77 - May 15, 2018, 6:03 pm

(May 13, 2018 06:26 PM)Mr.Cat Wrote: [\[CITE\]](#) Btw when you have a 1TB hdd you should always have 2 partitions from the beginning. The first partitions in always faster than the second one because its closer to the middle of the disk and it spins faster.

That used to be mostly true, but not anymore. Information is no longer stored just sequentially. Wear leveling algorithms in firmware of newer HDDs can shift data around in pretty much any permutation you can dream up. Also remember that there is more than one platter in a drive.

Gt403cyl - May 15, 2018, 6:12 pm

(May 15, 2018 06:03 PM)webdev77 Wrote: [\[CITE\]](#) That used to be mostly true, but not anymore. Information is no longer stored just sequentially. Wear leveling algorithms in firmware of newer HDDs can shift data around in pretty much any permutation you can dream up. Also remember that there is more than one platter in a drive.

This^^, times change.

Mr.Cat - May 15, 2018, 6:13 pm

(May 15, 2018 06:03 PM)webdev77 Wrote: [\[CITE\]](#) That used to be mostly true, but not anymore. Information is no longer stored just sequentially. Wear leveling algorithms in firmware of newer HDDs can shift data around in pretty much any permutation you can dream up. Also remember that there is more than one platter in a drive.

Wasn't aware of that. Thanks for the info ?