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Subject: SSD vs Raptop

Posted by [halo2pac](#) on Tue, 29 Mar 2011 01:31:29 GMT

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So halo is building a new computer.. even though he still has a quad core...lol... I want new tech.

So I need to choose between an SSD or a Velociraptor.

Velociraptors are large in size and fast ...

SSD's are FAST... but are small in size , high in price and apparently die quicker than a normal disk HD.

any Ideas?

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Subject: Re: SSD vs Raptop

Posted by [Jerad2142](#) on Tue, 29 Mar 2011 01:38:53 GMT

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Blow your money on what will last, not something that'll be 100 times better and cheaper 10 years from now.

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Subject: Re: SSD vs Raptop

Posted by [nikki6ixx](#) on Tue, 29 Mar 2011 01:39:46 GMT

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SSD over the Raptor any day. Use the SSD for the OS, and applications, and then have a large HD like the WD Black or Samsung Spinpoint F3 to store files like pictures and music on. I have a pair of SSD's, one an OCZ, the other a Patriot, and both are excellent.

As for SSD's wearing out, they do, but you really have to abuse them to shorten their lifespan considerably. The new ones have especially good 'wear-leveling' mechanisms that help maintain the drive's efficiency, along with the TRIM functionality built into Windows 7. The lifespan might be 10 years, and by that time, you'll likely have replaced the drive for a new one, like any other computer part.

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Subject: Re: SSD vs Raptop

Posted by [halo2pac](#) on Tue, 29 Mar 2011 03:06:22 GMT

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Thanks

any other suggestions .. things to remember guys?

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Subject: Re: SSD vs Raptop

Posted by [saberhawk](#) on Tue, 29 Mar 2011 03:19:56 GMT

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VelociRaptors are indeed fast but they are also somewhat overrated. I've got a pair of them (WD1500HLFS) hooked up in RAID-0 with an actual hardware RAID controller (with it's own RAM even) and they only get a 6.2 "Windows Experience Index".

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Subject: Re: SSD vs Raptop

Posted by [Gen\\_Blacky](#) on Tue, 29 Mar 2011 04:46:22 GMT

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saberhawk wrote on Mon, 28 March 2011 20:19: VelociRaptors are indeed fast but they are also somewhat overrated. I've got a pair of them (WD1500HLFS) hooked up in RAID-0 with an actual hardware RAID controller (with it's own RAM even) and they only get a 6.2 "Windows Experience Index".

I have a rating of 5.9 for my primary hard disk with no software or hardware raid setup. Satalll 1TB pattered Harddrive. I would believe that raid 0 would be a lot more faster then a single drive. Not sure if people should even look and windows ratings you really don't know what the score means. My old Satall drives had a rating in the 4.5s. Someone with a SSD drive what kind of ratings do you get and what interface type does the drive use.

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Subject: Re: SSD vs Raptop

Posted by [EvilWhiteDragon](#) on Tue, 29 Mar 2011 08:11:42 GMT

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nikki6ixx wrote on Tue, 29 March 2011 03:39: SSD over the Raptor any day. Use the SSD for the OS, and applications, and then have a large HD like the WD Black or Samsung Spinpoint F3 to store files like pictures and music on. I have a pair of SSD's, one an OCZ, the other a Patriot, and both are excellent.

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^agree here.

I got 2 Vertex 2 80GB's in RAID0 and 2 Spinpoint F1's combined with 2 Spinpoint F3's in RAID5. Can you say blazing fast? On transfers between arrays I can hit up to 400-500MB/s.

If you're going for an SSD now I would go for either the new Marvell based Intels or the Sandforce 2xxx based Vertex 3. For datastorage almost any disk will do, certainly if you install your games and applications (AND WINDOWS!) to your SSD.

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Subject: Re: SSD vs Raptop

Posted by [halo2pac](#) on Thu, 31 Mar 2011 04:29:24 GMT

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nikki6ixx wrote on Mon, 28 March 2011 21:39

As for SSD's wearing out, they do, but you really have to abuse them to shorten their lifespan considerably. The new ones have especially good 'wear-leveling' mechanisms that help maintain the drive's efficiency, along with the TRIM functionality built into Windows 7. The lifespan might be 10 years, and by that time, you'll likely have replaced the drive for a new one, like any other computer part.

Thanks nikki,

Has anyone else heard of the 'Wearing' on SSD's?

Not that i'm knocking his opinion .. I just want a few others too

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Subject: Re: SSD vs Raptop

Posted by [slosha](#) on Thu, 31 Mar 2011 05:25:07 GMT

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They're definitely supposed to last longer than HDD's, that's for sure. Aren't raptors like insanely loud, too?

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Subject: Re: SSD vs Raptop

Posted by [Dave Anderson](#) on Thu, 31 Mar 2011 05:51:16 GMT

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A Velociraptor is cost effective, fast and efficient. If you have money to blow and you really don't care about price - sure go for an SSD. Otherwise a normal mechanical disk is just fine. The performance difference isn't "life breaking news" that will change your overall PC experience. You still do the same things with an SDD drive you did with a mechanical drive, only in fast-forward 1.25x.

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Subject: Re: SSD vs Raptop

Posted by [EvilWhiteDragon](#) on Thu, 31 Mar 2011 07:16:16 GMT

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Dave Anderson wrote on Thu, 31 March 2011 07:51A Velociraptor is cost effective, fast and efficient. If you have money to blow and you really don't care about price - sure go for an SSD. Otherwise a normal mechanical disk is just fine. The performance difference isn't "life breaking news" that will change your overall PC experience. You still do the same things with an SDD drive you did with a mechanical drive, only in fast-forward 1.25x.

Fast forward 20x more like. Particularly during startup, I noticed the difference between a normal HDD (2007 model) and Vertex 1's. With all the crap I apparently have installed atm it could take up to 7 minutes before my PC was entirely ready, with SSD's I'm pretty sure its below a minute.

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And efficient, like, how? It uses more power than a SSD, it's slower and surely makes a hell of a lot more noise.

I personally find a SSD to be "life breaking news", and can recommend it to anyone. The difference between SSD and HDD are a lot more obvious than the difference between a HD6870 and a HD6850 for ex. The same is true for the CPU, you will mostly not notice a 200Mhz increase/decrease (within the same type), but can save you a lot of money.

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Subject: Re: SSD vs Raptop  
Posted by [Goztow](#) on Thu, 31 Mar 2011 07:17:34 GMT  
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SSD for OS and primary programs, random 1 - 2 TB HDD for data and secondary programs / games. You can install games on the SSD as well, but beware if you changed your "documents" folder to the secondary HDD and the game stores some settings there, like BFBC2.

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Subject: Re: SSD vs Raptop  
Posted by [EvilWhiteDragon](#) on Thu, 31 Mar 2011 08:04:47 GMT  
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Goztow wrote on Thu, 31 March 2011 09:17SSD for OS and primary programs, random 1 - 2 TB HDD for data and secondary programs / games. You can install games on the SSD as well, but beware if you changed your "documents" folder to the secondary HDD and the game stores some settings there, like BFBC2.

That's not really a problem, a game only needs say 10 files from your my documents folder while it needs a whole lot more from your game dir. The game dir is the most important one in regards to speedy loading.

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Subject: Re: SSD vs Raptop  
Posted by [saberhawk](#) on Thu, 31 Mar 2011 17:17:13 GMT  
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Glock wrote on Thu, 31 March 2011 01:25Aren't raptors like insanely loud, too?

Not really. The original Raptor drives were slightly louder than drives of the same time, but I can't hear the Velociraptors over the other drives and fans I've got in my system.

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Subject: Re: SSD vs Raptop  
Posted by [Jerad2142](#) on Fri, 01 Apr 2011 02:34:13 GMT  
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Subject: Re: SSD vs Raptop

Posted by [EvilWhiteDragon](#) on Fri, 01 Apr 2011 05:48:30 GMT

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Jerad Gray wrote on Fri, 01 April 2011 04:34saberhawk wrote on Thu, 31 March 2011 11:17Glock wrote on Thu, 31 March 2011 01:25Aren't raptors like insanely loud, too?

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Disagree there. Currently my main rig doesn't produce any audible sound, (and with a Core i7 and HD5870 it's not slow) so having noisier HDD's in there is likely to make a difference. If you got a nice rig in which a SSD should be placed, you can easily make it a very silent rig (in idle mode anyway).

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Subject: Re: SSD vs Raptop

Posted by [Dave Anderson](#) on Fri, 01 Apr 2011 06:10:40 GMT

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EvilWhiteDragon wrote on Thu, 31 March 2011 01:16Dave Anderson wrote on Thu, 31 March 2011 07:51A Velociraptor is cost effective, fast and efficient. If you have money to blow and you really don't care about price - sure go for an SSD. Otherwise a normal mechanical disk is just fine. The performance difference isn't "life breaking news" that will change your overall PC experience. You still do the same things with an SSD drive you did with a mechanical drive, only in fast-forward 1.25x.

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172.00GB/259.00GB of installed software including background services such as MySQL, SQL Server, Team Foundation Server, and many other services. Velociraptor/10K/RPM, boot time from a complete OFFSTATE: 58.92 seconds (Max: 1:18:~~s) all the way into Windows Explorer to a usable state. No issues with performance if applications loading quickly/etc. Either you have not maintained the performance of your PC adequately, or your hardware configuration just does not boom. But for the price of an SSD and the performance I have, it is most certainly not cost effective or a great gain for my setup; by any means. Whether it would be a performance gain for someone else varies, of course.

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Subject: Re: SSD vs Raptop

Posted by [Jerad2142](#) on Fri, 01 Apr 2011 07:21:49 GMT

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EvilWhiteDragon wrote on Thu, 31 March 2011 23:48Jerad Gray wrote on Fri, 01 April 2011 04:34saberhawk wrote on Thu, 31 March 2011 11:17Glock wrote on Thu, 31 March 2011 01:25Aren't raptors like insanely loud, too?

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Harddrive is pretty quiet in idle mode as well...

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Subject: Re: SSD vs Raptop

Posted by [EvilWhiteDragon](#) on Fri, 01 Apr 2011 08:13:07 GMT

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Jerad Gray wrote on Fri, 01 April 2011 09:21EvilWhiteDragon wrote on Thu, 31 March 2011 23:48Jerad Gray wrote on Fri, 01 April 2011 04:34saberhawk wrote on Thu, 31 March 2011 11:17Glock wrote on Thu, 31 March 2011 01:25Aren't raptors like insanely loud, too?

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Only if you let them spin down. Which decreases HDD life, as they mostly die when spinning up, due to the high current needed to start electromotors.

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Subject: Re: SSD vs Raptop

Posted by [Jerad2142](#) on Fri, 01 Apr 2011 17:13:31 GMT

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EvilWhiteDragon wrote on Fri, 01 April 2011 02:13Jerad Gray wrote on Fri, 01 April 2011 09:21EvilWhiteDragon wrote on Thu, 31 March 2011 23:48Jerad Gray wrote on Fri, 01 April 2011 04:34saberhawk wrote on Thu, 31 March 2011 11:17Glock wrote on Thu, 31 March 2011 01:25Aren't raptors like insanely loud, too?

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Harddrive is pretty quiet in idle mode as well...

Only if you let them spin down. Which decreases HDD life, as they mostly die when spinning up, due to the high current needed to start electromotors.

Then I guess I've always had really quiet hard drives

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Subject: Re: SSD vs Raptop

Posted by [Homey](#) on Sat, 02 Apr 2011 06:16:25 GMT

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Go for the SSD or grab a WD black or a 7200rpm seagate. The Samsung drives are also fast. The raptors don't really have much of a place in today's market anymore. SSD's are getting cheaper and their benefits are much better than what the raptors offer. I'd rather stick with a bigger WD black than a VR. I personally have a 120gb vertex 2 in my main rig and a 80gb intel in my laptop. The laptop boots to usable windows in 35 seconds. On a fresh install it was under 30. There is no HDD that can touch that. My desktop is a bit slower, but that's because of the pitiful x58 chipset boot times.

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Subject: Re: SSD vs Raptop  
Posted by [halo2pac](#) on Tue, 12 Apr 2011 02:06:37 GMT  
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Follow-up:

I bought:

<http://www.newegg.com/Product/Product.aspx?Item=N82E16822136320>  
WD 500 gb Black

[http://www.microcenter.com/single\\_product\\_results.phtml?product\\_id=0351760](http://www.microcenter.com/single_product_results.phtml?product_id=0351760)  
Microcenter (Adata) 64gb SSD

Thanks for all your help!

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Subject: Re: SSD vs Raptop  
Posted by [Gen\\_Blacky](#) on Fri, 15 Apr 2011 07:27:27 GMT  
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You should of got sata III drives unless your board doesn't support it.

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Subject: Re: SSD vs Raptop  
Posted by [halo2pac](#) on Sat, 16 Apr 2011 04:49:31 GMT  
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My board does, and I have a third drive, 1TB Sata III, but it likes to not work well with windows 7 :S... I have a Sata III port but it just doesnt like me... Works fine in a sata II port tho.

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