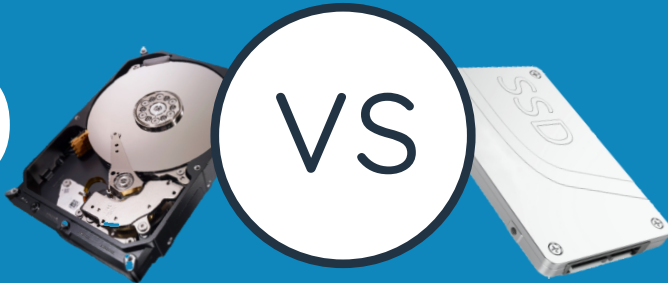


HDD



SSD

SSD

Speeds

far outpace HDD

In a random 4k write test,



HDD performed under
208 IOPS

SSD performed over
30,000 IOPS

Flash memory reaches

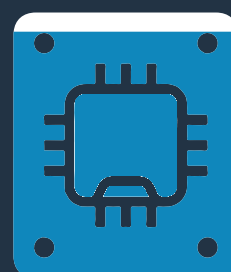
Density Levels

HDD can never achieve

60TB
50TB
40TB
30TB
20TB
10TB



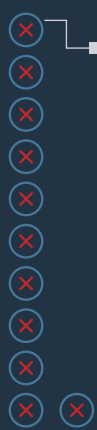
HDD capacity will reach the
20-40TB
range by 2020.



SSDs today hold capacities as high as
60TB.

Compare

Reliability



HDDs are over
10x
more susceptible to failure

HDD failure rate:

3.5%

SSD failure rate:

0.3%

Energy Savings



HDDs consume
6-15 watts



SSDs consume only
2-5 watts

SSD & HDD vary in

Temp.



HDDs reach temperatures as high as
34-44°C
because of moving parts.

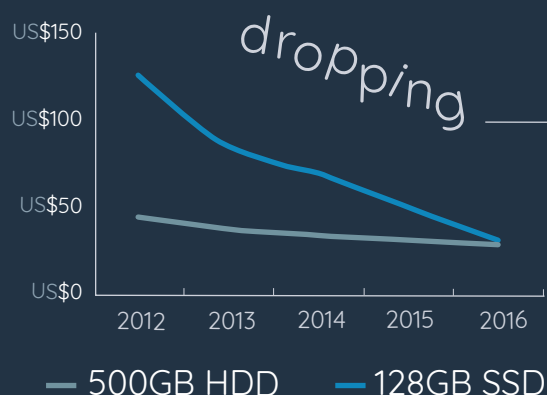


SSDs only reach
26-30°C



Price

of SSD is



Source: DRAmEXchange, March, 2016

*According to www.storagetechnology.com/?p=207 and www.backblaze.com/blog/hdd-versus-ssd-whats-the-diff/, results may vary.

closing the gap between HDD and SSD.

However, SSDs still cost about 4x more than HDD on a per GB basis.

What if you could have SSD at HDD Pricing?

Zadara Storage with Intel now offers SSD capacity at HDD pricing. To learn more about Zadara Storage as-a-Service offerings, visit bit.ly/ZadaraStorageCloud.

To start a free trial, visit: manage.zadara.com/register/.



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