



# 10 Things to Know about Flash

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## A Few Thoughts (1)

- Flash will not inherently "lose your data".
  - Data loss in flash memory systems has more to do with the robustness of the system design than it has to do with flash memory.
- With flash, it's all about latency.
  - IOPS only come along for the ride. When considering your system design, look at response times. This is where flash will give the biggest benefit.

## A Few Thoughts (2)

- When considering IOPS in a flash systems consider response time over a wide range of IOPS
- Since I'm one of the "big guys ", choosing your vendor wisely matters.
  - Software maturity
  - Number of PBs shipped
  - Customer support

## A Few Thoughts (3)

- Flash hasn't finished changing the storage world
  - The massive performance leap over HDD was just the beginning
  - This semiconductor memory will make non-volatile in-memory systems of larger scale much more viable
- Management matters
  - Ease of system management should always be a consideration



Thank You!

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<http://www.hds.com/flash/>