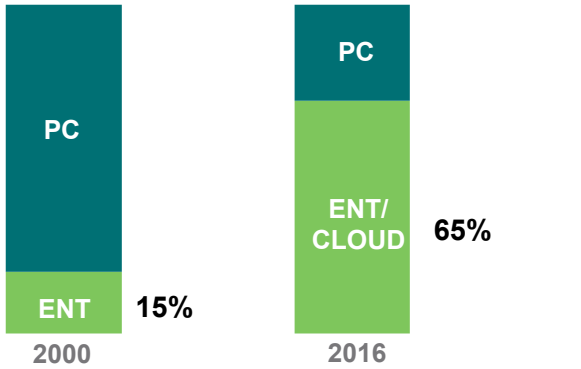
SEAGATE
DESIGNING EFFICIENT STORAGE SYSTEMS
Phil Brace, President, Cloud Systems and Silicon Group
August 10th, 2016
Flash Memory Summit 2016

CONTINUING SWING OF THE STORAGE PENDULUM

SHIFT FROM PC TO CLOUD COMPUTING

Enterprise storage
is most of the shift

Users and Vendors
to adapt



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STORAGE USERS

THE CONSOLIDATION WAVE

More workloads running on
fully utilized systems

Performance
Still a critical consideration

STORAGE USERS

INCREASING IMPORTANCE OF SCALABILITY

Quick, seamless responsiveness

Lower SSD costs enable scaling

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SOFTWARE-DEFINED STORAGE EXPANDS

Queues from the cloud

SDS Vendors

Open Source

DATA LOCALITY

Utilization of
"Slack" Resources

Effective use of
Assets

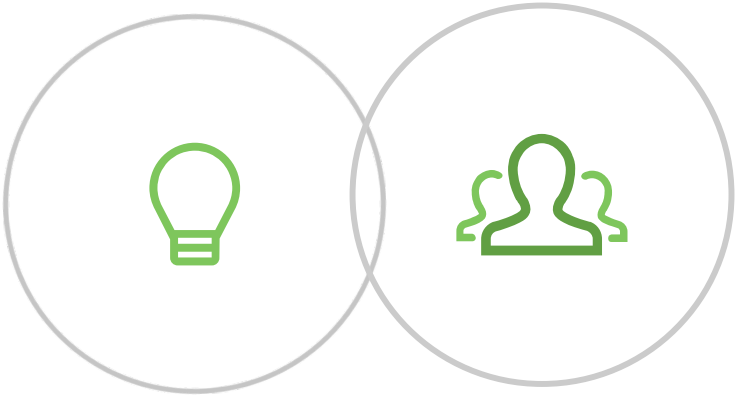
airbnb UBER lyft TaskRabbit

STORAGE VENDORS

REINVENT OR PERISH

Big players must:

INNOVATE & DIFFERENTIATE



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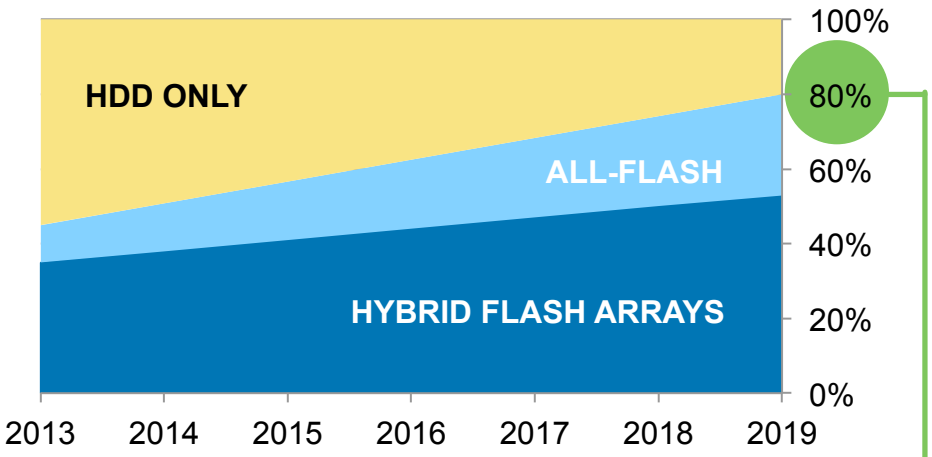
SSD TRENDS DRIVING
STORAGE COMPANIES

SSD PROGRESS: SYSTEMS



80% by 2019

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CHANGING INTERFACE MIX IN STORAGE SYSTEMS

SAS
will remain strong

Serial Attached SCSI

NVMe
entering the market

nvm EXPRESS

NVMe AND SATA IN THE CLOUD

Upward trend for NVMe + AIC

SATA sustains longer life

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LATEST NEWS

Seagate Announces 3 Flash Firsts

Fastest SSD 10GB/s

Largest SSD 60TB

Densest SSD 2TB Enterprise M.2

The future of storage is bright!

Come see the **Fastest** **Largest** **Densest** SSDs in the world

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Innovation & Contribution

Booth 505

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THANK YOU