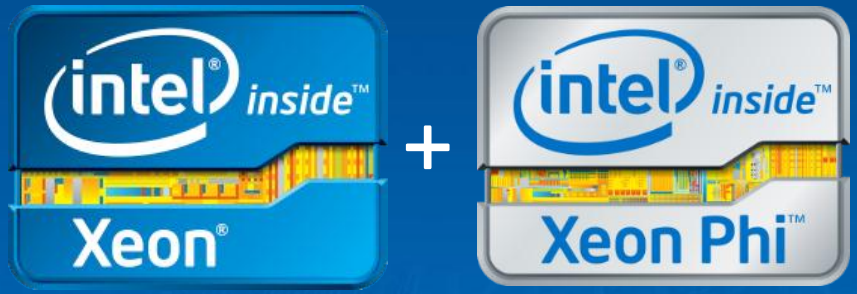
# Intel® SSD DC S3700 Series
## *Consistency Matters*

Rob Crooke

Corporate Vice President, General Manager
Intel Non-Volatile Memory Solutions Group

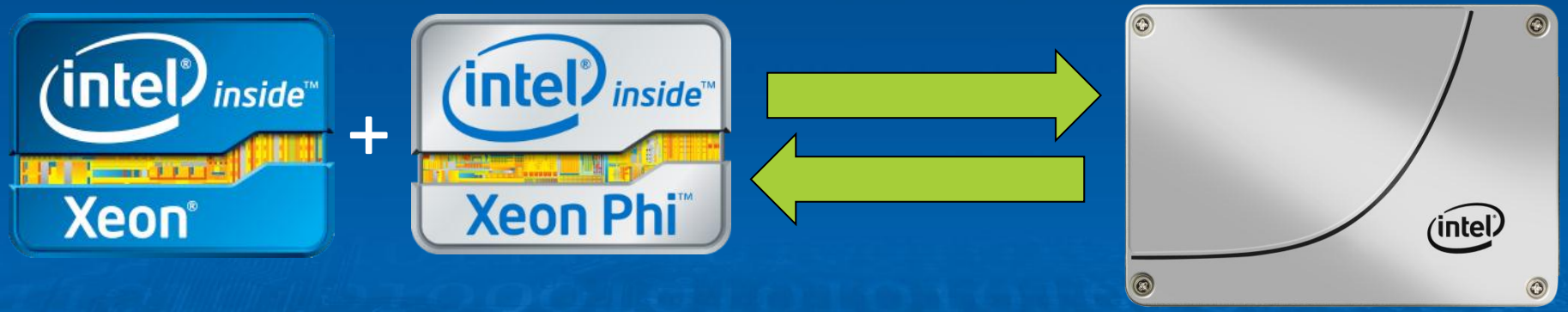
# Data Center: Environment is evolving




Path to Exascale:
Efficient for
Highly Parallel Applications

*Parallelism does the work to extract real Insights from Big Data*

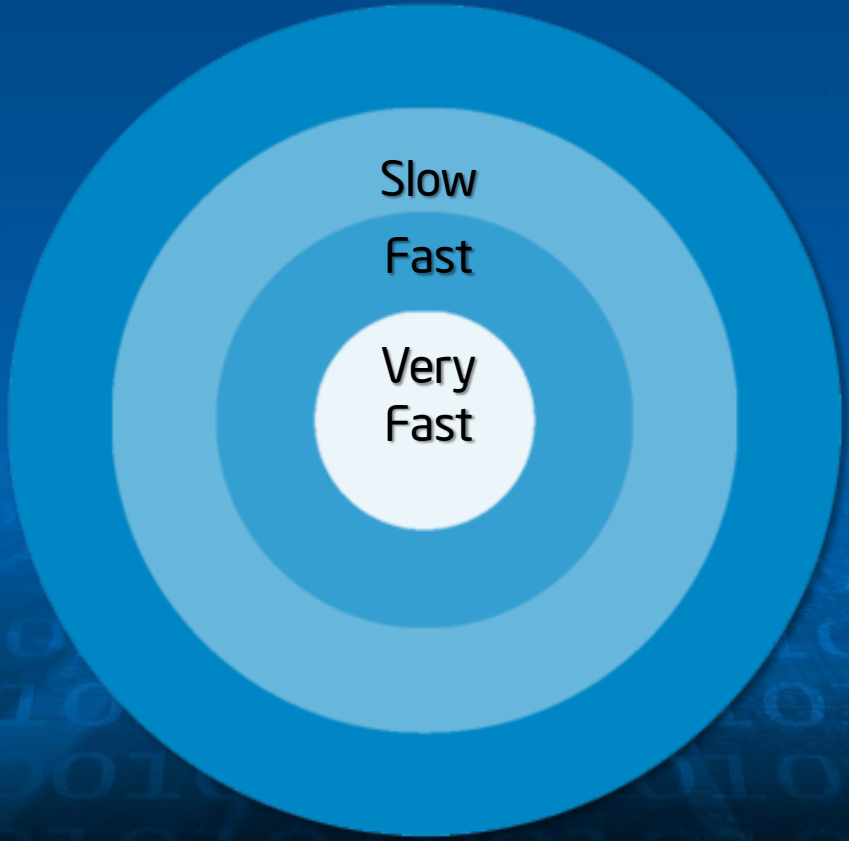
# Data Center: Environment is evolving



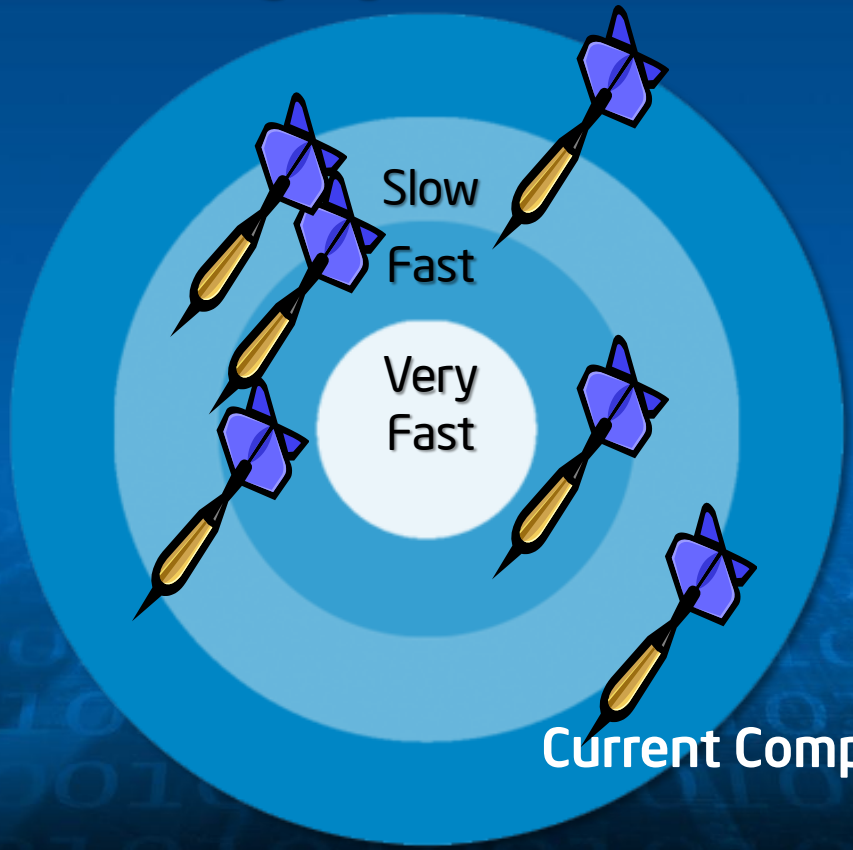

*Cores must be supplied with data continuously to achieve optimal performance and results*

# Conventional Wisdom:
# All SSDs are suitable for Data Center solutions

# Not all SSDs-Slightly fast all the Time

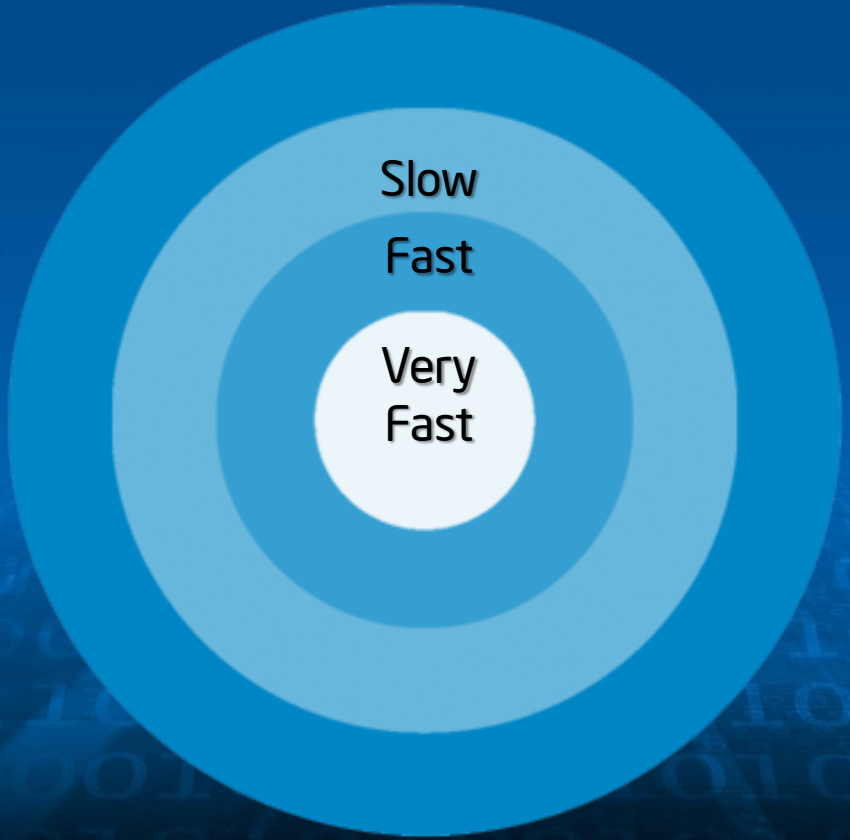


# SSDs – Highly variable IOPS




Current Competitor's SSD

# HDDs: Very low IOPs



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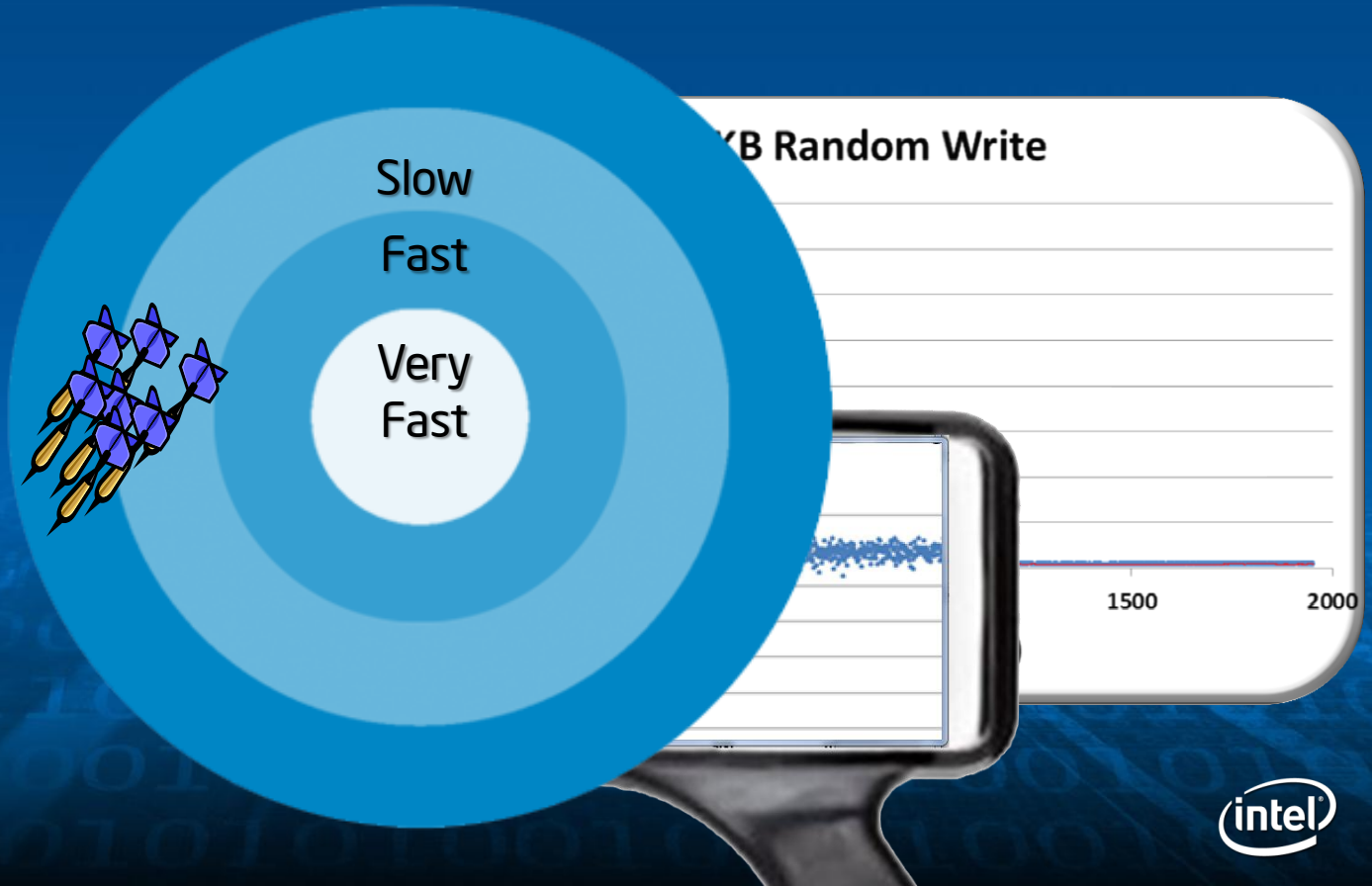
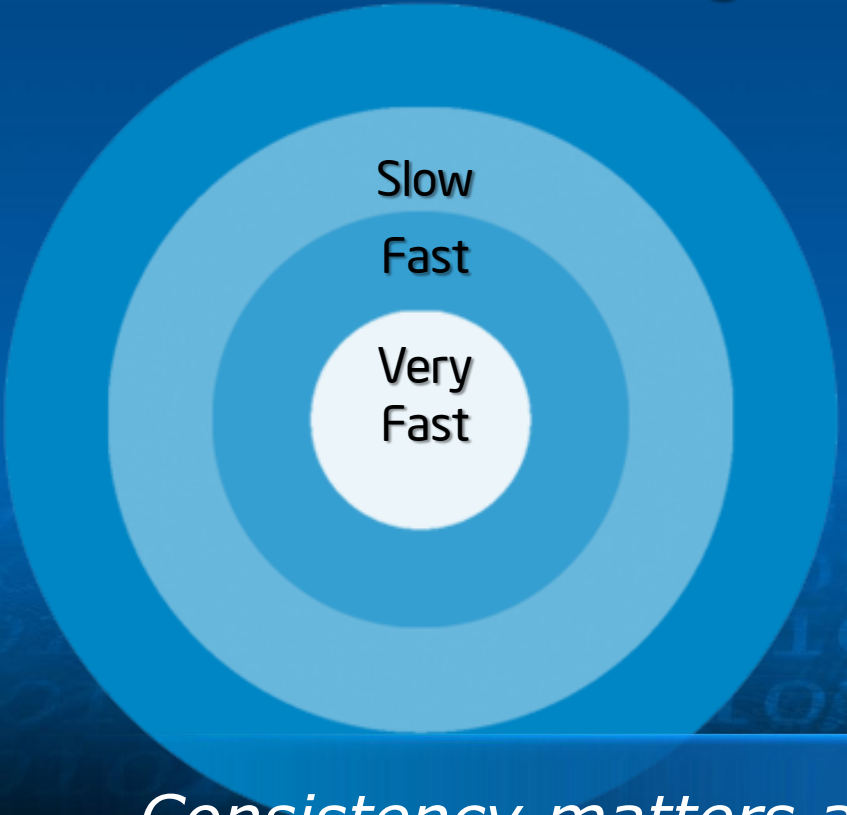
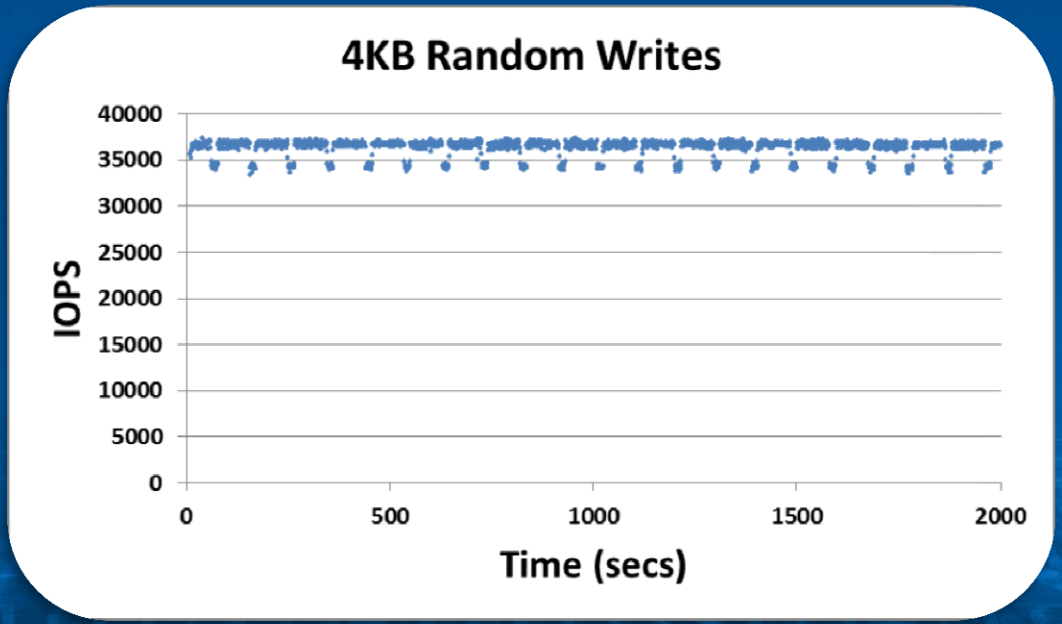


# High performance data centers require a new generation SSD




*Consistency matters as much as IO performance*

# Intel® SSD Solutions for target markets

*Intel® SSD Data Center Family*

*Intel® SSD Professional Family*

*Intel® SSD Consumer Family*

# Introducing Intel® Solid-State Drive DC S3700 Series

- Fast and Consistent Performance
- Stress-Free Protection
- High Endurance Technology

*Consistently Amazing*

intel

# Customers Agree

- **HP is driving leadership in solid state drive adoption across broad enterprise segments**
- **HP has been working with Intel on bringing their next gen SSDs to meet HP's world-class enterprise requirements**

*"HP believes products like the S3700 Series will bring accelerated growth to solid state in the enterprise."*

*-- Jim Ganthier, VP, HP Industry Standard Servers*

# Intel® SSD DC S3700 Series features the 3rd Generation Intel-developed controller

*Utilizes continuous background cleaning*

# Intel® SSDs accelerate a broad range of Enterprise Applications

## BIG DATA

## CLOUD COMPUTING

## HPC

# The Intel® SSD DC S3700 Series Story comes to life: Every micro second counts

Introducing Mike L. Norman, Ph.D, SDSC Director

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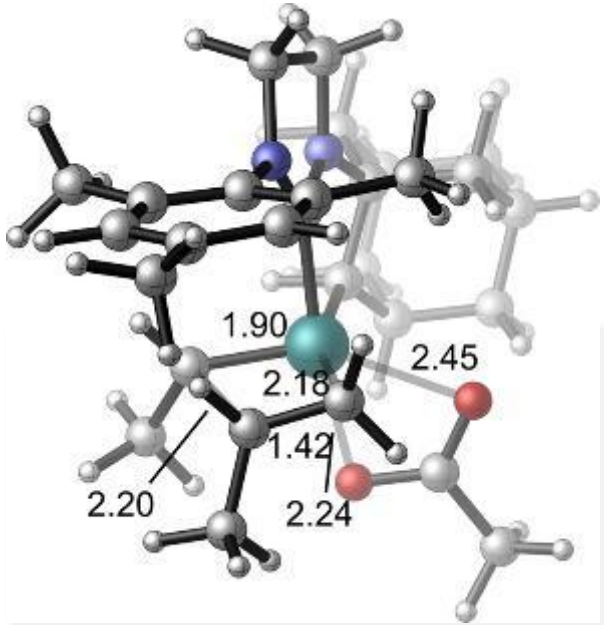
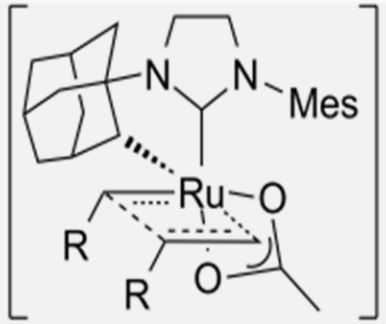
# Prediction of New Catalysts for Olefin Metathesis




R

Z-selective olefin metathesis transition state

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*Intel® SSDs support a class of HPC that has not been possible previously*

# Intel® SSD DC S3700 Series:

*Consistency Matters to utilize the heartbeat of computations*

# Intel® SSD DC S3700 Series

*Consistently Amazing!*

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