

Balancing Capacity with Performance for Cloud Storage

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Tegile Systems

Public & Private Clouds Getting it All



Server
Virtualization



Desktop
Virtualization



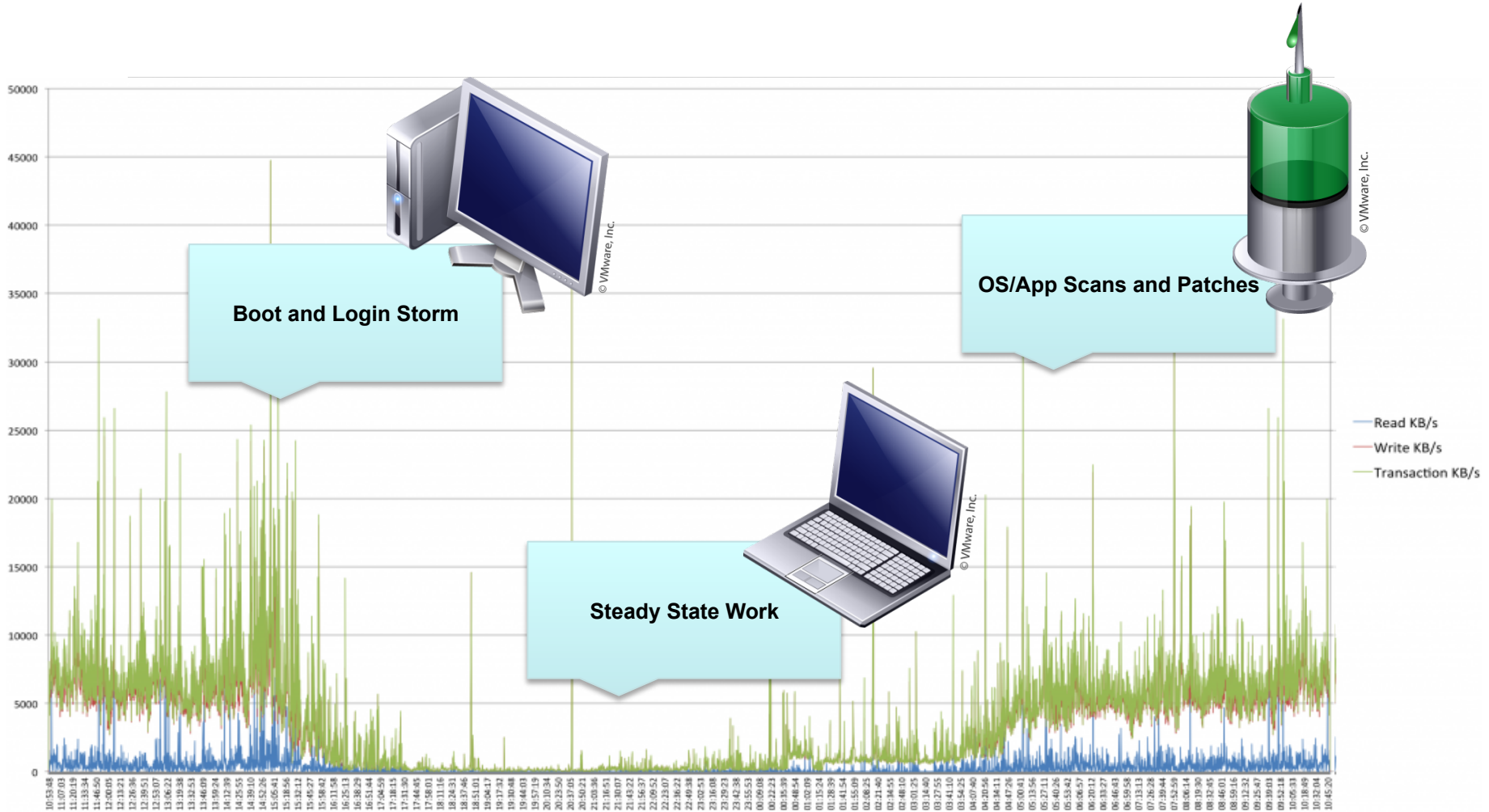
Data
Analytics

Changes in storage requirements
+
Disruptive changes in hardware

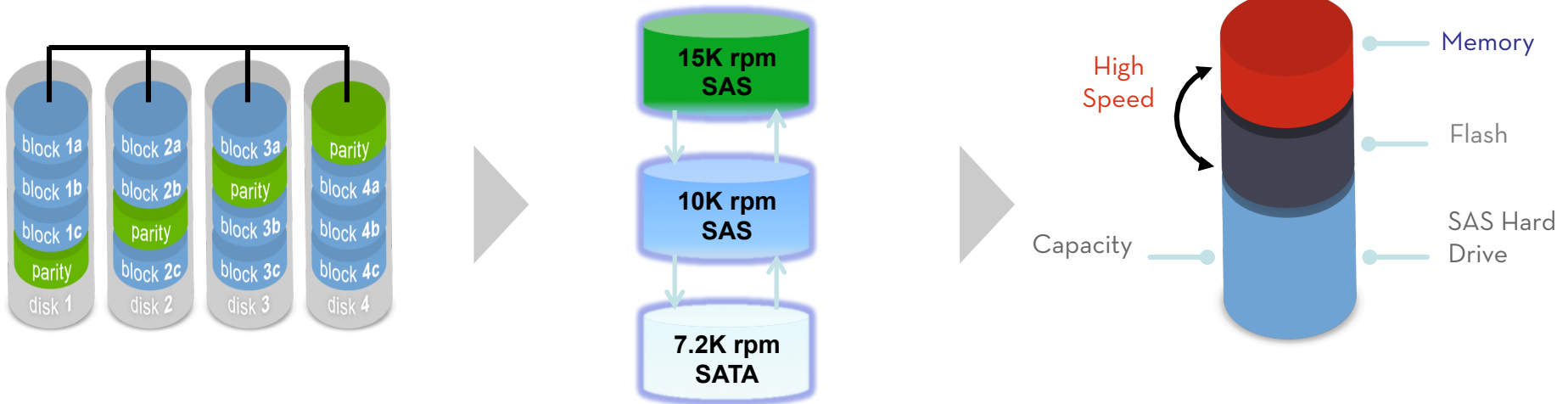


Storage architecture needs to change

VDI Breaks the Tiering Model



Storage Architecture Redefined



Legacy Traditional Striping

Data spread across HDDs to aggregate required IOPs

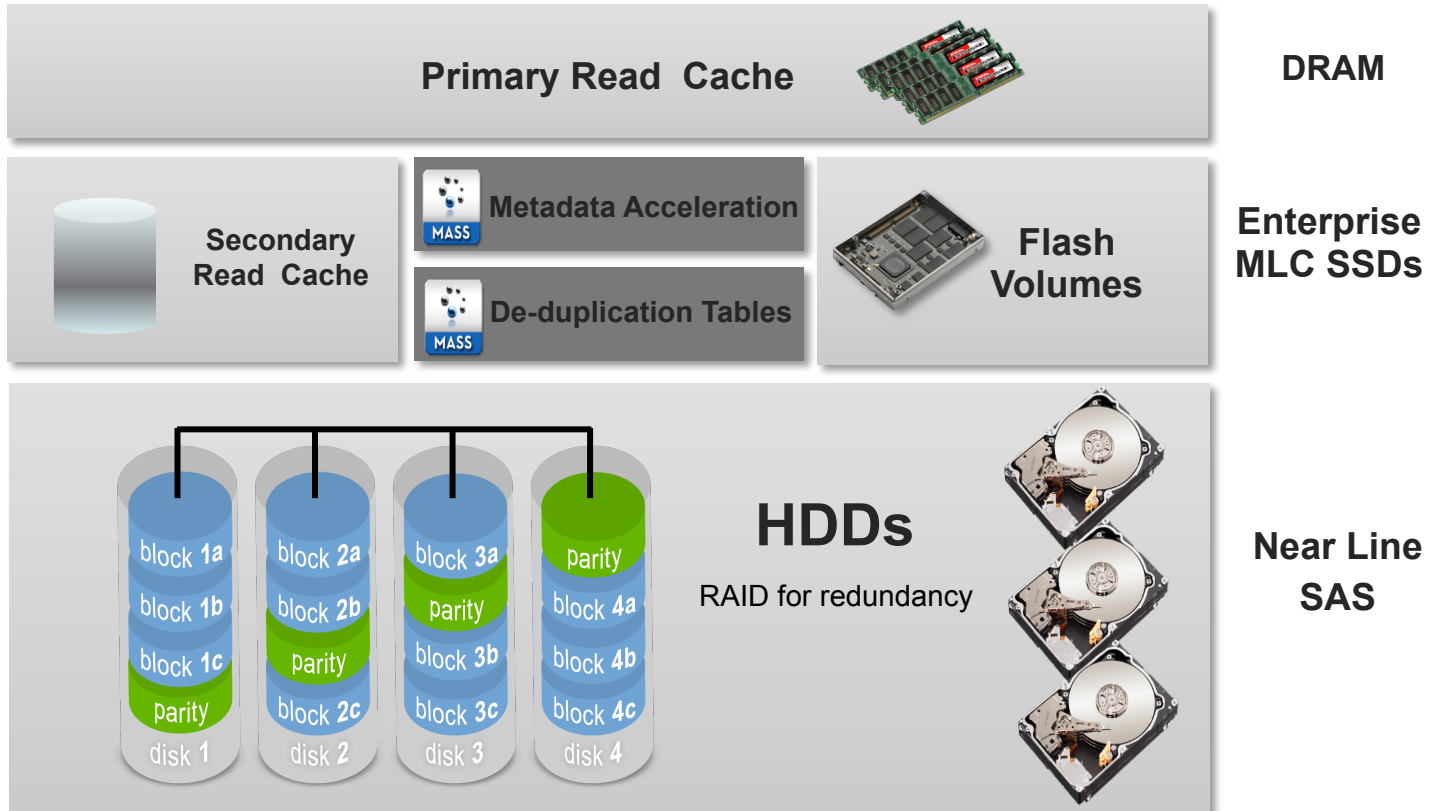
Legacy Tiered Storage

Data is moved across tiers according to IO density

Next Gen Storage Architecture

Data accessed from memory and flash

Hybrid Product Architecture



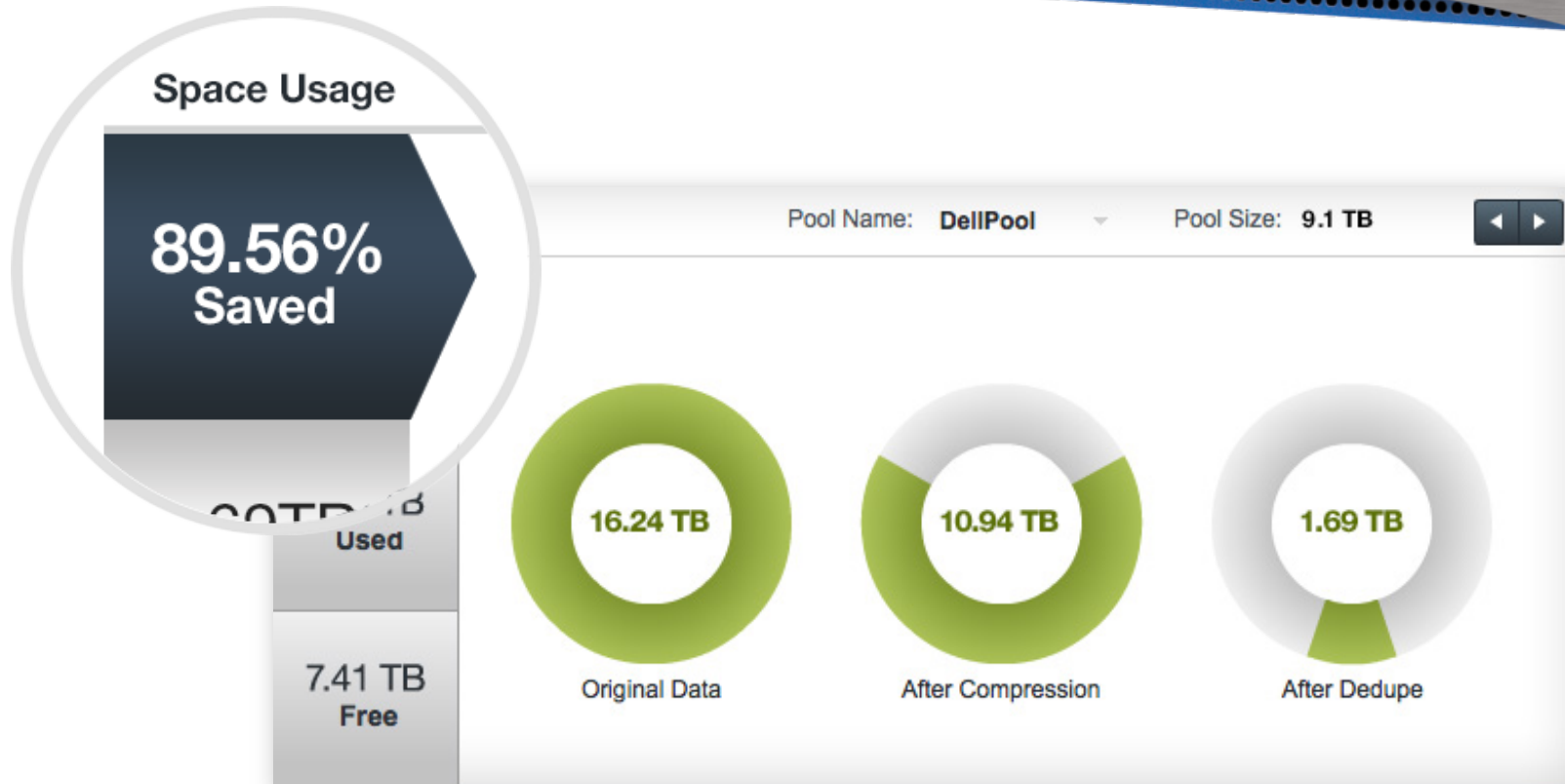
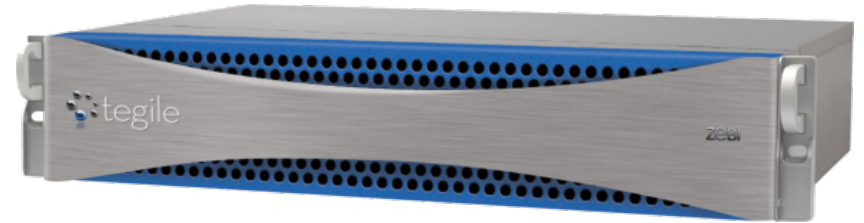
Unified architecture built for high speed flash/hybrid optimization

Data reduction & Performance multiplier from memory and flash

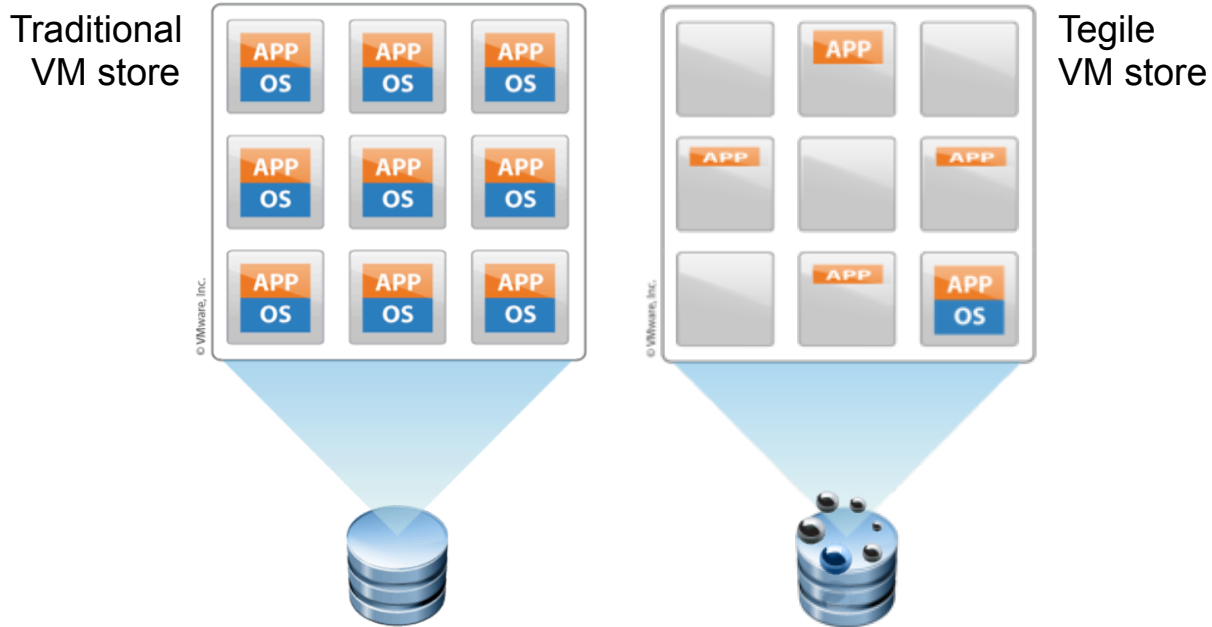
Capacity from hard drives



Impact on a VDI Environment



Impact in a Virtual Server Environment



Redundant VMDK data is reduced to a single instance

Caching Algorithms promote active data real time



Economic Impact

vs. Traditional Storage (Q1'13)



	Traditional Storage	Tegile HA2100EP	Tegile Advantage
IOPS	75,000	75,000	=
Effective TB	112	105 (@3.5x)	=
Rack Units	115	6	97% Less
WATTS	8437	840	90% Less
US List Price	\$475K*	\$100K	79% Less

*+ \$300K for Software

At the same performance/capacity, Tegile's storage architecture delivers massive capex and opex reductions vs. traditional storage



Industry Recognition



Tegile takes 1st place in top 3 storage awards over incumbents and new entrants

Thank You

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