

Flash Storage drives a better bottom line

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Workload acceleration

Hybrid arrays and tactical flashbased point solutions to provide a high performance tier to accelerate specific applications and services

Mainstream adoption

Flash becomes mainstream with the majority of applications and services deployed on flash for acceleration as well as density, power and cooling

Deployed by default

Flash is deployed not as an option but because it is largely the only primary storage medium widely available; spinning disks used in point solutions





*Source: The Evolving All Flash Array (AFA) Market, IDC, Jan 2017



Case Study #1: Stantec picks all-flash for mission-critical environment

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Background and challenges

- Stability and availability of Oracle ERP environment
- Apps: Oracle e-commerce suite, database
- Legacy infrastructure: 10 years old, HDD based solution
 - Frequent Oracle patches and upgrades required frequent snapshots and more storage space
 - Not being able to take snapshots at the times needed put the database and system at risk of being corrupted

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How did all flash solve the problem

- New solution: 3PAR StoreServ 8450 all flash systems
 - **20% reduction** in batch processing times
 - **85% reduction** in storage space for Oracle data with high density SSDs
- Business outcome:
 - Easier SAN maintenance, lower cost of maintenance
 - Avoid significant cost increases as mature storage systems reached end-of-support





Case Study #2: Riverside Healthcare speeds access to critical medical images with all-flash HPE 3PAR



Background and challenges

- Legacy HDD storage system could not keep up with the growing number of images and higher image resolution
- Apps: McKesson PACs, VMware, Epic HER
- Legacy:
 - HDD storage system
 - 1 to 2 min of average wait times for retrieving an image – sometimes as long as 8 to 9 min



Riverside Healthcare is a fully integrated healthcare system, serving the needs of patients across a broad region in northeastern Illinois, USA.



How did all flash help?

- New solution: 3PAR 8450 all flash
 - Average image retrieval times of **less than 10 seconds**
 - Higher capacity (with high density SSDs) and performance headroom means more consolidation - reduced foot print from one and a half racks to half a rack
- Business outcome:
 - Speeds radiologists' ability to diagnose and treat patients
 - Enhance overall patient experience
 - Reduced overall cost for the hospital



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