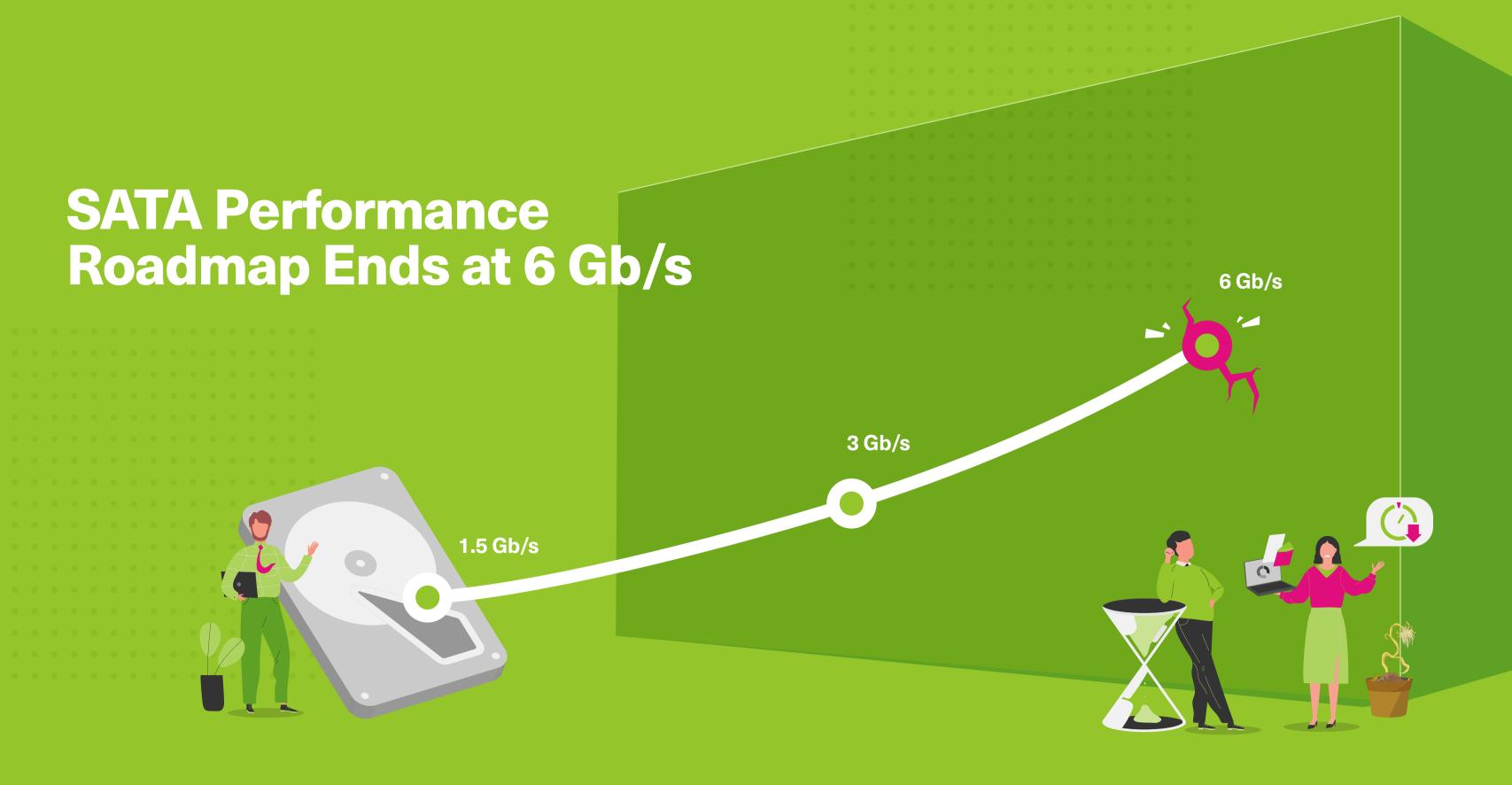
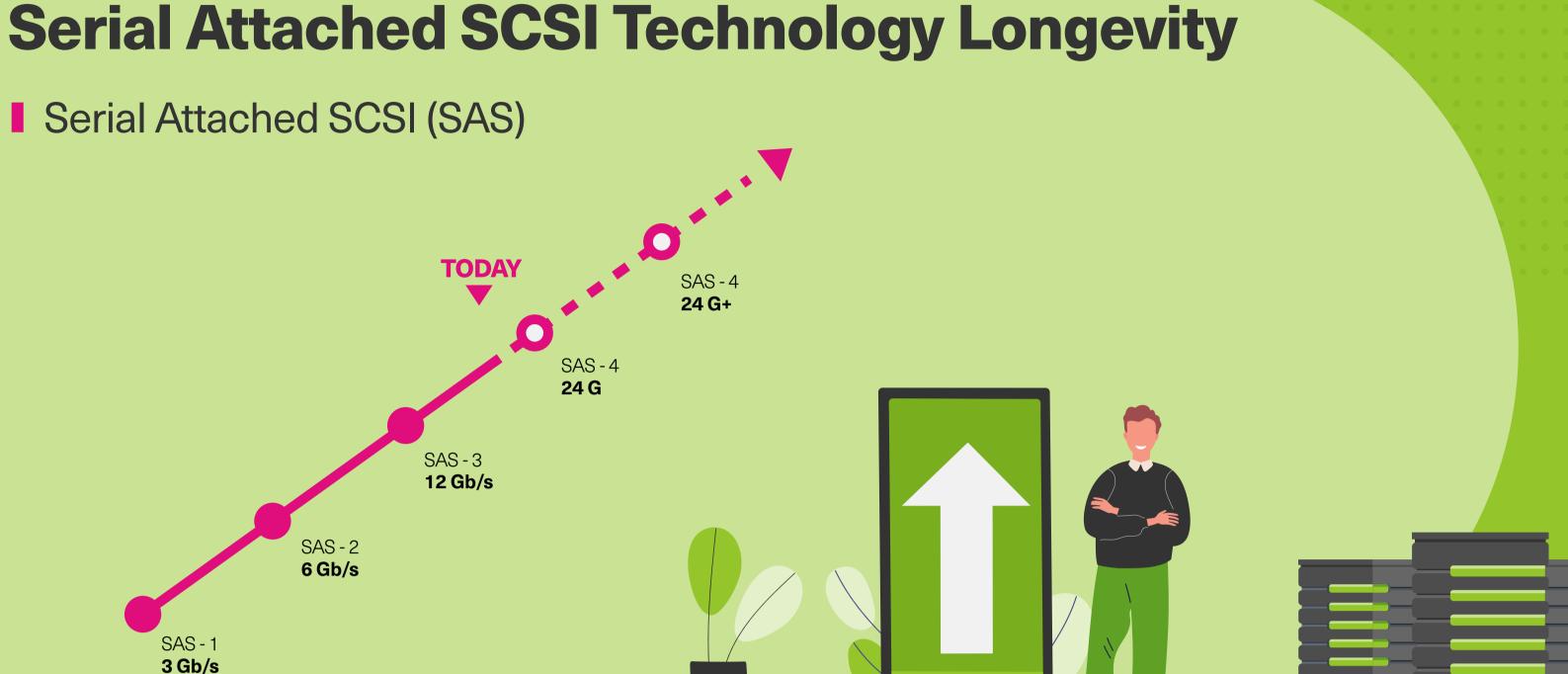


Upgrade your hyperconverged platform performance with Value SAS and **Enterprise SAS over SATA SSDs**





SAS interface roadmap continues for years to come

A Better Life with **KIOXIA SAS SSD Solutions**

Value SAS SSDs





Enterprise SAS SSDs

Priced to Replace SATA

- Single-Port 12Gb/s SAS Interface
 - Sequential reads up to 838 MB/s Random reads up to 150,000 IOPS

RM Series Performance

- Easy Replacement in **SAS-Enabled Servers**

SAS SSD

Dual-port enterprise SAS Interface

Highest performance KIOXIA

PM Series 12Gb/s SAS Performance Sequential reads up to 4,150 MB/s Random reads up to **595,000 IOPS**

Performance for virtualization

caching tier

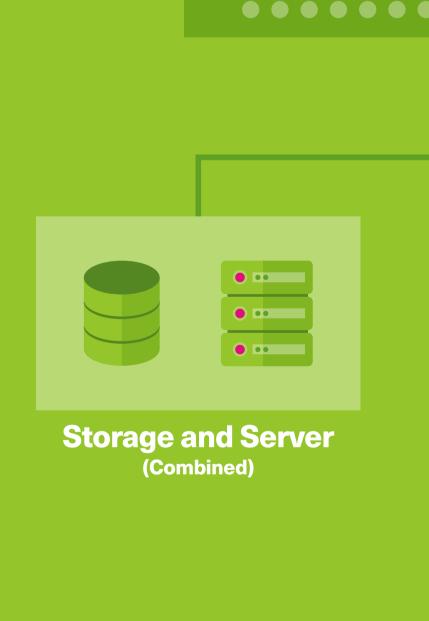


RM and PM Series SAS SSDs are a

Good Fit for Virtualized Workloads



Environments Host a Variety of Workloads Network





Random I/O's Per Second (IOPS)

Typical Workloads

Small and Large Block

- 50% / 50% Mix of Read and Write Operations
- **Virtualization Environment**

Streaming Writes for Replications

Virtual Machines Virtual Storage Management Platform

Infrastructure Compared to SATA¹ **SAS Throughput Performance SAS Read Latency SAS IOPS Performance** 124% 124%

and Enterprise SAS in Hyperconverged

Real-world Application Benefits of Value

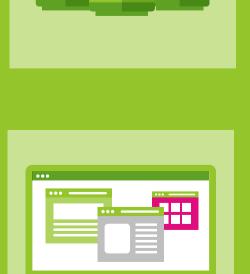
Server Configuration

More IOPS than SATA

Faster Throughput than SATA

SAS SSD Configuration

Lower Latency than SATA



· 256 GB DDR4 DRAM per server

Software Environment

· VMware ESXi[™], 7.0.3, Build: 19482537

· HCIBench Version: 2.6.1 benchmark

3x HPE ProLiant DL385 Gen10 Plus v2 servers

· Dual AMD EPYC™ 7543 2.8GHz 32-core CPUs





SATA SSD Configuration 3x 6Gb/s SATA SSD 960 GB for cache layer · HPE P/N: VK000960GWSRT

12x 6Gb/s SATA SSD 3.84 TB for capacity

· HPE P/N: VK003840GWSRV

· Model: KRM5XRUG3T84 (HPE P/N: VO003840RWUFB)









¹Performance testing was performed in a KIOXIA lab environment, May 2022. © 2022 KIOXIA America, Inc. All rights reserved. Information in this document, including product pricing and specifications, content of services, and contact information is current and believed to be accurate on the date of

his document, but is subject to change without prior notice. Technical and application information contained here is subject to the most recent applicable KIOXIA product specifications. Dell Technologies, Dell, Dell EMC, LifeAfterSATA HCI infographic HPE | June 2022 | LAS HCI Infographic v1