OVERVIEW

PrimaryIO APA for VMware

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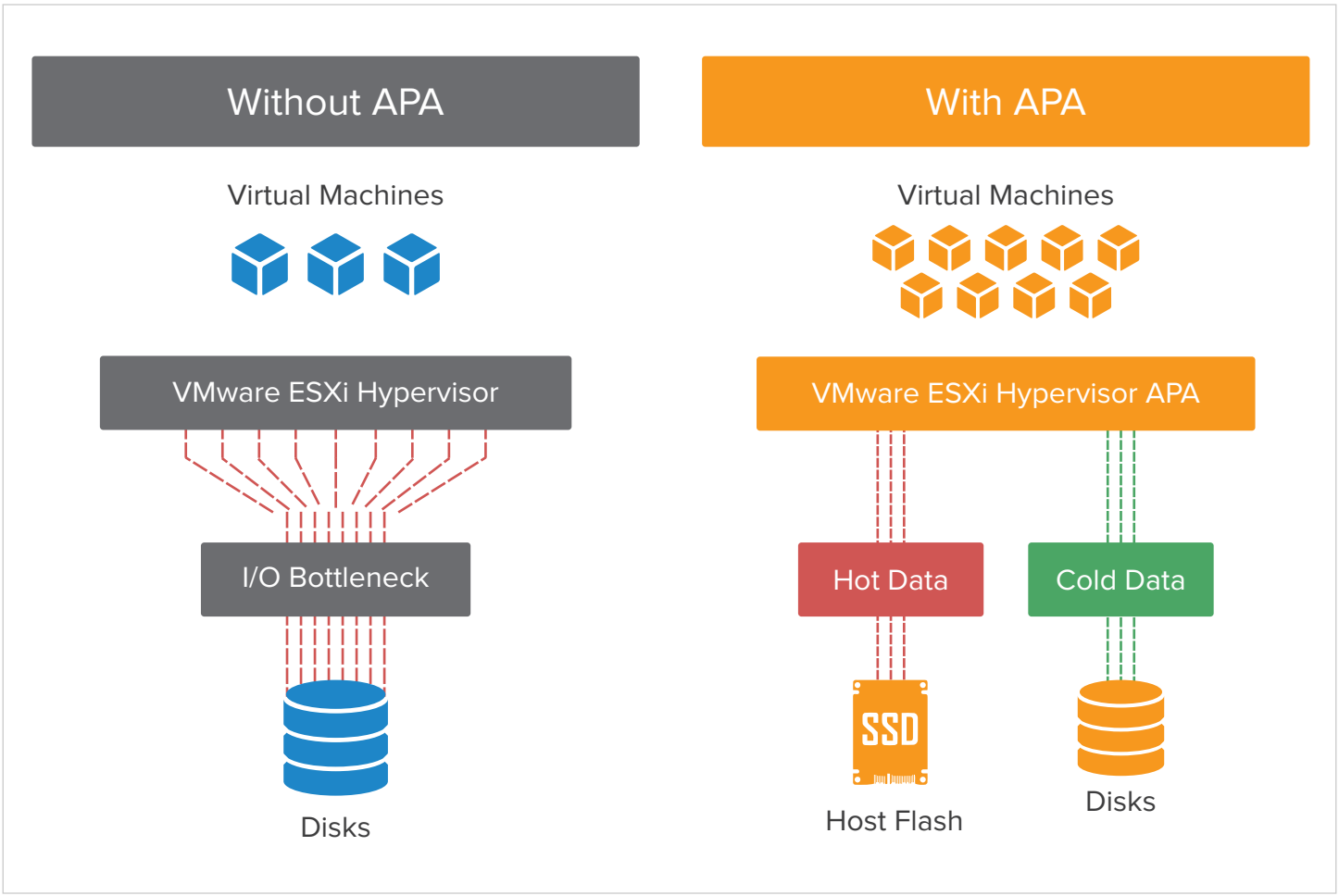
Increase virtual machine (VM) density and efficiency by removing I/O bottlenecks

Application Performance Accelerator (APA) for VMware is an I/O caching solution designed to increase virtual machine (VM) density and accelerate business-critical applications in servers by eliminating bottlenecks. I/O bottlenecks are eradicated by transparently moving copies of frequently accessed data to server-attached SSDs for quicker access.

In write-back caching mode, data is first written to SSDs and subsequently copied to disk drives in the background. For read performance, APA transparently moves copies of the most frequently accessed data to SSDs for faster access.



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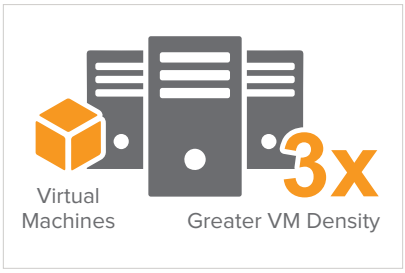
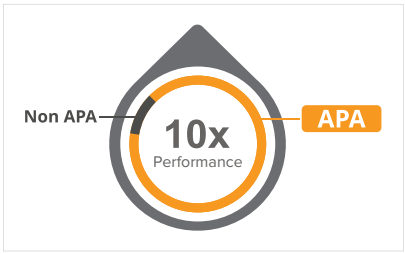


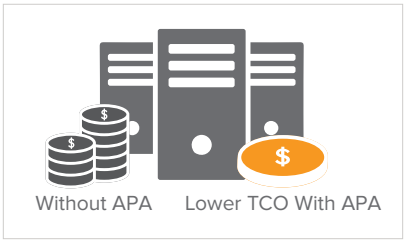
Up to 3x greater VM density per server

APA achieves 3x greater VM density by removing traditional I/O bottlenecks, allowing larger numbers of VMs to have required I/O bandwidth to execute at performance.



Up to 10x increase in application performance

APA optimizes applications' performance, delivering up to 10x increase in performance by leveraging the latest solid stage technologies. It has the intelligence to unleash the full performance of flash by efficiently managing the I/O blender that virtualized servers create.



Reduced TCO

APA reduces the overall storage and caching costs in data centers by providing vertical integration from the storage device to the host. It provides performance close to All-Flash arrays at the fraction of the cost.

APA for VMware

Accelerate business-critical applications cost effectively

- Supports write-back and read caching
- Fault tolerant write-back caching with replication up to two nodes
- Supports cluster-wide caching even when SSDs are not deployed on all the nodes
- Zero downtime to enable caching
- Supports VMware VAIO (vSphere APIs for IO filtering)
- Does not need agents for guest OSS
- Supports all types of SSDs: NVMe, PCIe, SAS, and SATA
- Seamless integration with the hypervisor's management infrastructure
- Supports block and NFS data storage
- Supports all VMware value-added features such as VAAI, vMotion®, HA, DRS, and DPM
- Provides VMware vCenter™ integrated UI

Minimum system requirements

- Operating system: VMware ESXi 6.0 U1 and later
- Processor: 64-bit x86 processor with minimum 4 cores
- DRAM: Minimum 32 GB
- SSD: Minimum 64 GB

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