SOLID STATE DRIVES

THE BEST FIT FOR SOFTWARE-DEFINED STORAGE

Software-Defined Storage (SDS) is an emerging approach to data storage that resolves a growing but fundamental issue:

How to store and retrieve massive amounts of data?

NETWORKING **APPROACH**

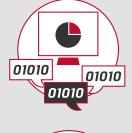
BEFORE SDS



Co-mingled control and data planes



Complex virtual environments



Difficult-to-manage abstraction and virtualisation



siloed servers

Data stored in



Significant server array investment

AFTER SDS



Abstract data from hardware



Integrated storage, compute and networking



Softwareorchestrated data storage and retrieval



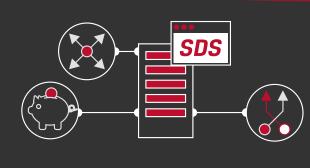
interfaces

Standard



Virtualised data-path

IN SUMMARY



SDS separates storage software and software services from underlying hardware to yield cost benefits, flexibility and scalability.

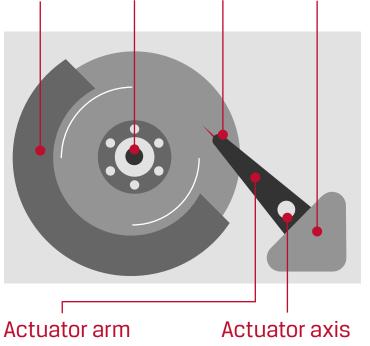
SDS BENEFITS RELY ON **SMART HARDWARE DECISIONS**

and that's a big deal. But hardware quality matters. That's where SSDs pull far ahead of HDDs.

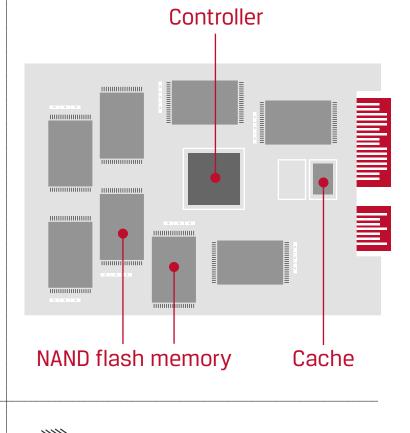
SDS reduces the need for—and cost of—future hardware purchases

HARD DISK DRIVES

Platters Spindle RW head Actuator



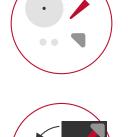
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up to 50g/2ms

Slow mechanical



procedure

Well-suited



Learn more about why the future of

business depends on SSD-enabled SDS.

for data-archival



up to 1500g/0.5ms

Shock-resistant



HDDs

100x faster than



often-accessed data

Well-suited for critical.

Accelerate your organisation

with Kingston SSDs

Download the White Paper

