Software Defined Storage - SDS

Infraestrutura Agnóstica Para banco de dados

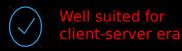
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.Now



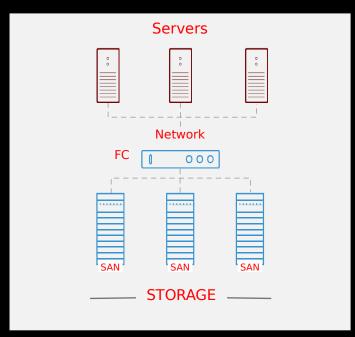




Dedicated workloads & painful / costly migrations



Large upfront investment to account for future usage





Expensive FC & storage HW



Storage & Application Silos

PROBLEM

- Traditional storage has a 4 or 5 year refresh cycle
- When the array fills up (and you hope it does)
 - Need a forklift upgrade for migration
 - Purchasing another up-front under-utilized array





There is another way!

Software-defined storage delivers the full suite of storage services via a software stack that uses commodity hardware built with off-the-shelf components.

*IDC Worldwide Software Defined Storage Taxonomy, 2014

- No vendor specific hardware dependencies
- Able to run on any commodity server
- Supported on nearly any operating system and/or hypervisor
- Can leverage existing and future datacenter designs

What Is Software Defined Storage SDS?

Software-Defined Storage is Not Storage
Virtualization

There's no standard definition of SDS

Becoming your own hardware vendor probably isn't a realistic option

Some Vendors aren't thinking about your performance requirements

There's no universal measurement system for agility and ROI

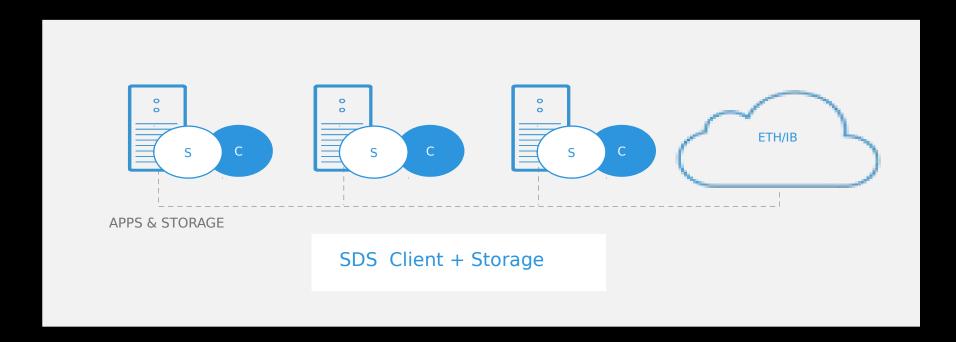
Making SDS work requires work



"By 2019, 70% of existing storage array products will also be available as "software only" versions"

- Software Only Array
- Storage Array

SAN.Next

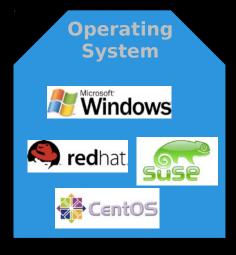


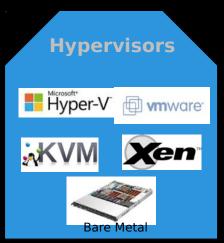
VALUE

- "Pay as you grow"—linear predictable costs
- Commodity hardware
- No dedicated storage components (FC network, HBAs)
- Add servers of any type or configuration to the pool
- Retire servers on your own schedule
- Eliminate migration

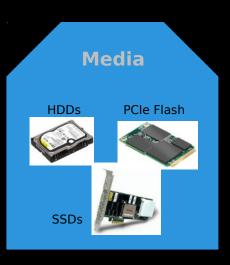


Agnostic



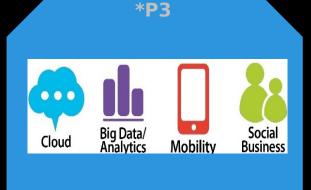














Vendors Softwere Defined Storage























Oracle Licensing, SDS

Why Is It Important To Understand Oracle Licensing?

Because it costs a lot of money!!!

<u>nstalled and/or Running"</u>

https://www.vmware.com/files/pdf/techpaper/vmw-understanding-oracle-certification-supportlicensing-environments.pdf

http://houseofbrick.com/blog/

my Oracle Contracts

Oracle Document	Contractual or	Not?
Software Investment Guide	† No	
Licensing Data Recovery Guide	† No	
Technology Hosting	† No	
Technical Support Policies	† Yes	5
Core Processor Factor Table	† Yes	
Partitioning Policy	† No	
Cloud Computing Environment Policy	† No	

http://houseofbrick.com/blog/

http://wikibon.org/wiki/v/Oracle_Negotiation_Tips:_Focus_on_Reducing_License_and_Maintenance_Costs

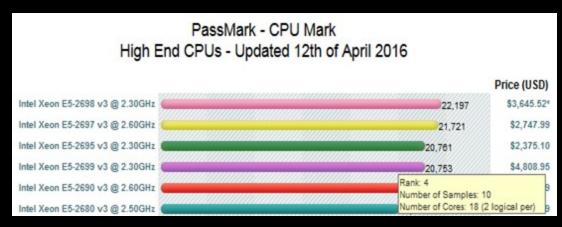


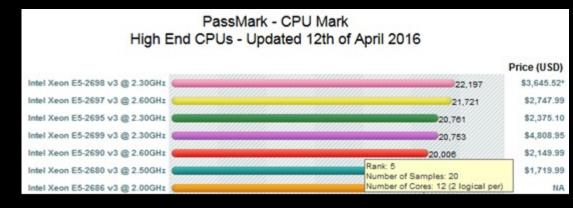
How to win?

What I need?

- Storage Data Service
- Vendors
- Buy or Build
- Hardware
- Disks
- Processor
- Business, Business, etc

My Business, time to market







SDS?

