



# Implementing Storage Abstraction in Existing Legacy Infrastructure

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# Hyper-scale Storage Infrastructure

	Mission Critical	Balanced Performance	High Capacity	
	<b>OLTP</b>	<b>NoSQL</b>	<b>Big Data</b>	<b>Cloud</b>
Topology	Centralized	DAS → Disaggregated	DAS → Disaggregated	DAS → Disaggregated
Scale	SAN / STORAGE APPLIANCE	SCALE-OUT / SERVER STORAGE		
Growth	Organic, Low	Medium	High	High
Protocols	FC, NFS → ISCSI	DAS, ISCSI	DAS, ISCSI, Object	DAS, ISCSI, Object, File
Management	SAN/NAS	Local/Cinder	Cinder, Swift, Ceph?	Cinder, Swift, Ceph?



## Modernizing Traditional Infrastructure in HARD

- ❑ Legacy is expensive to modernize
- ❑ New technology does not fit easily
- ❑ Change can introduce more complexity



# Rethink How Data is Managed

A new, comprehensive approach to real-world data management challenges



**Intelligent Abstraction**

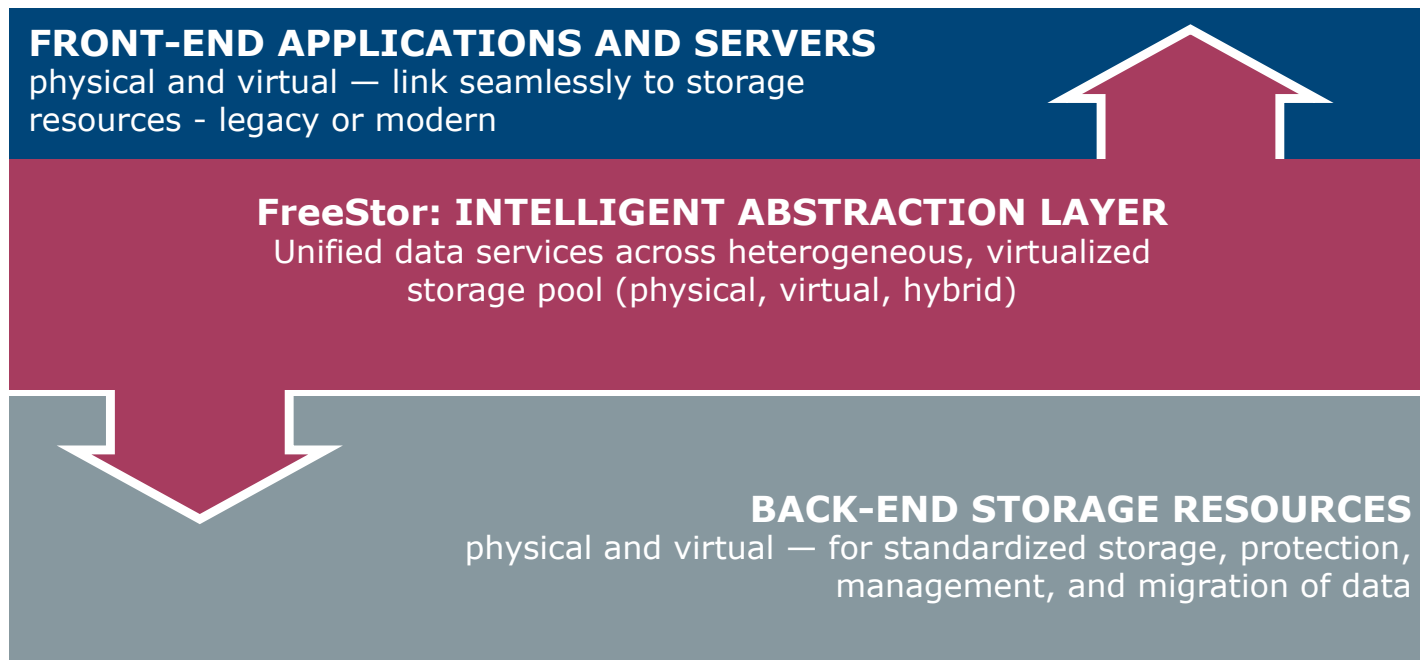


**Intelligent Predictive Analytics**



**Intelligent Action**

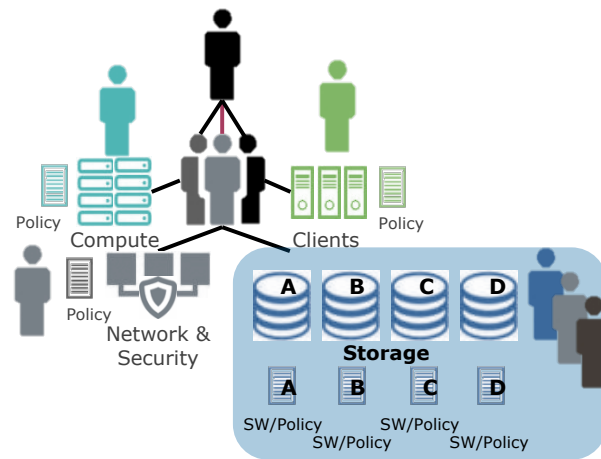
# Power of Intelligent Abstraction



Decouples the storage hardware, networks, and protocols, enabling the free flow of data and common services regardless of environment or location

# Storage Abstraction

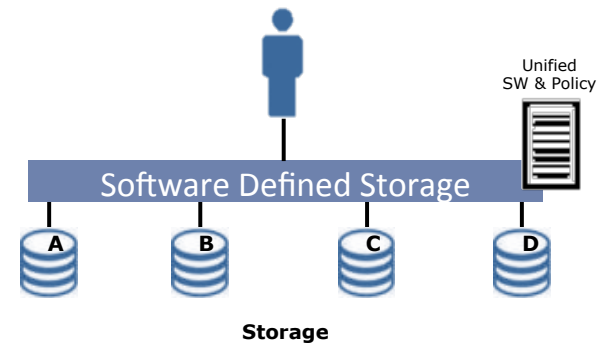
**BEFORE:** Traditional Approach



Low to Medium Standardization,  
High Touch, High Capex and Opex

Dedicated platforms (HW & SW)  
Manual or limited automation & optimization

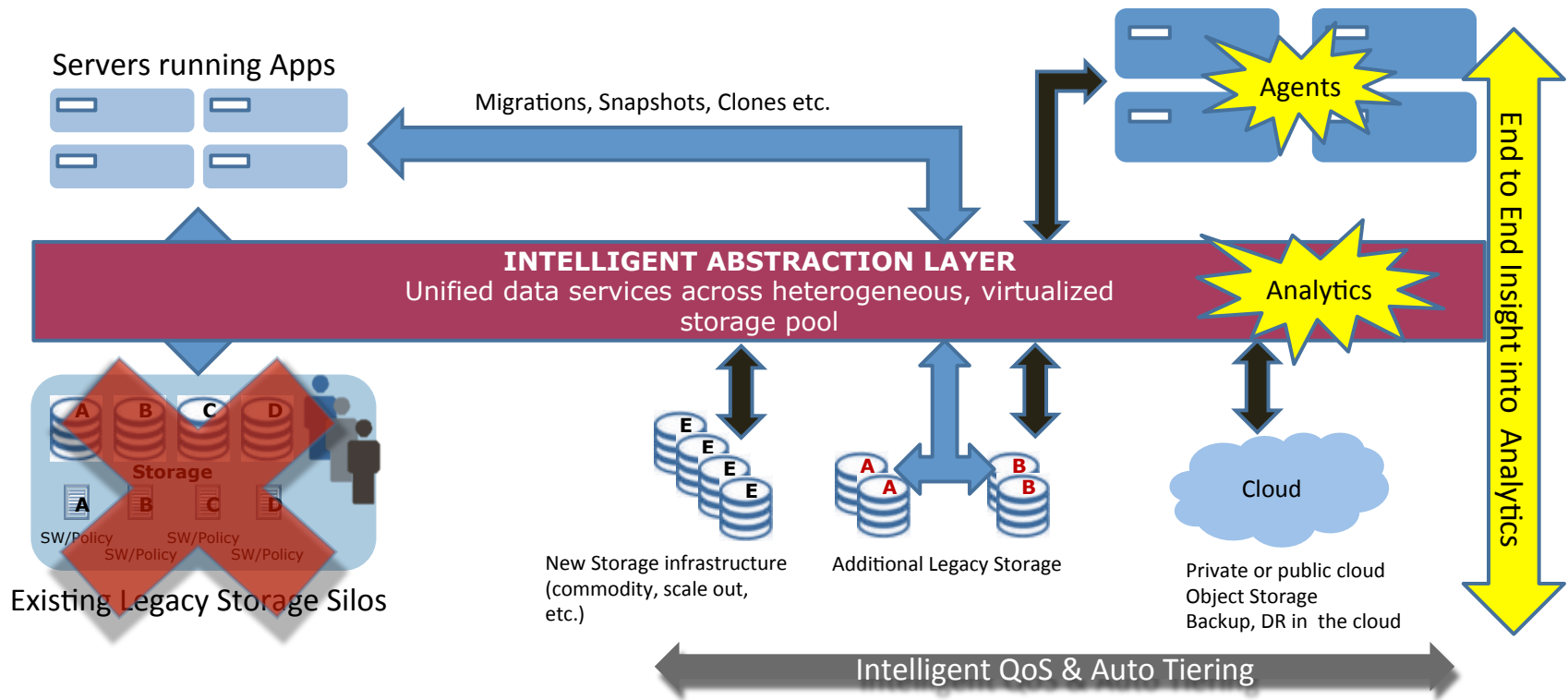
**AFTER:** SDS Approach



Highly Standardized,  
Low Touch, Low Opex

Shared/non-dedicated platforms  
Automated, continuous optimization

# Brown Field Implementation





# Q&A





# THANK YOU

**Intelligent Abstraction – Intelligent Predictive Analytics – Intelligent Action**  
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