

MAIN CHALLENGES OF STORAGE MANAGEMENT



Low resource utilization



Over Provisioning > 20% Average usage rate <40%

Inefficient management



Complex operation: Implementation with 4+ persons/night

Slow fault location and low tolerance:

Manual check with 2+ hours

Multi-cloud convergence



Silos due to separate management of multiple clouds Unable to leverage advantages of enterprise-class storage and cloud





WHAT KIND OF STORAGE MANAGEMENT DO USERS NEED?





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Tier definition

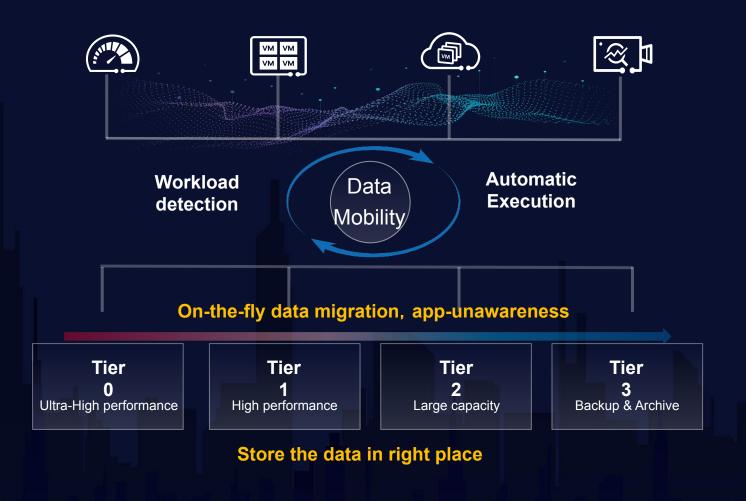
Primary Service tiers:								
Tier	0.	1.0	2.	3	3.₀	4.∘		
Description (CPA)	Diamond₽	Platinum₽	Gold₽	Silv	ver∂	Bronze∂		
Performance.	< 1 ms latency₽	< 3 ms latency₽	< 5 ms latency₽	< 10 ms	latency₽	< 15 ms latency₽		
Minimum Density∘	8 IOPS/GB₽	4 IOPS/GB₽	2 IOPS/GB₽	0.6 10	PS/GB∂	0.5 IOPS/GB₽		
Maximum Sustained Density₊	16 IOPS/GB∂	8 IOPS/GB∂	4 IOPS/GB∂	1.2 10	PS/GB₽	1 IOPS/GB		
Burst Density.	24 IOPS/GB₽	12 IOPS/GB₽	6 IOPS/GB₽	2.4 10	3.3.2₽		e available via integration with Accelerite Cloud platform,	
Availability₽	99.999%₽	99.999%₽	99.999%	99.9		including but not limited to:		
Sample Mix*	10%₽	10%₽	40%₽	30		Self Service includes activities including initial provisioning, changing the service and		
Connectivity.	Redundant & Scalable data paths	Redundant & Scalable data paths	Redundant & Scalable data paths∂	Redundant data	 volume or changing the Storage tier, attaching additional Servers to a volume. Automatic provisioning of a storage volume (with defined Min/Max/Burst IOPS) and datastore creation for hosting of multiple virtual disks. 			
Typical Workloads∘	VDI, No SQL, Analytics, Latency Sensitive applications	ERP, SAP Hana, Big data∘	SQL Server, SharePoint, Exchange	High C Application Web con Sha Web, lo	reflect the IOPS values defined across multiple virtual disks being hosted on a single storage volume. • Automatic provisioning of a storage volume (with defined Min/Max/Bust IOPS)			
					3.3.3₽	Self Service portal must be available via Single Sign on via BT Compute Management System.		
					3.3.4	capability via an API Self Service includes volume or changing	s activities including initial provisioning, changing the size of a the Storage tier, attaching additional Servers to a volume.	
				1.	3.3.5		solution proposal must include all integration work required for nlessly operate with Accelerite Cloud platform, Caringo and Stack.	



CASE I: RFP OF XXX MANUFACTURE IN EUROPE



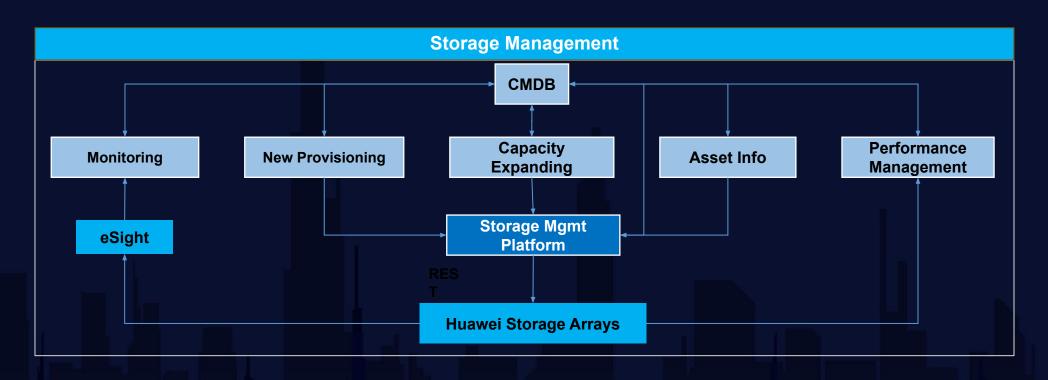
Cross-Tier Data Mobility



CASE 2: HOW TO BE INTEGRATED WITH UNIFIED PLATFORM



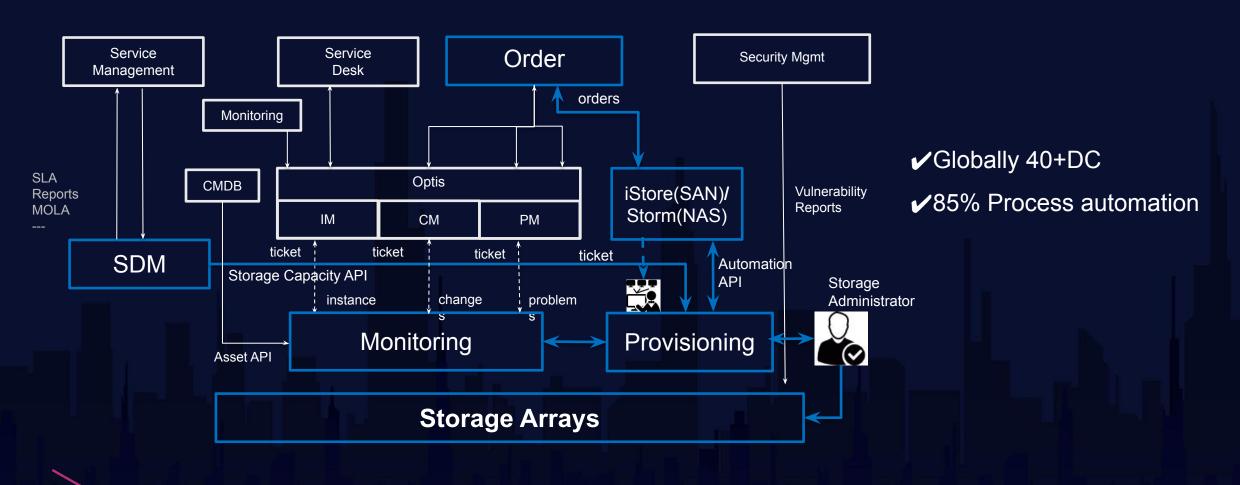
Source: XXX Chinese bank



CASE 3: HOW TO MEET CUSTOMER NEED IN PAYU MODE



Source: XXX Manufacture maker



SUMMARY

- Is SLA-Centric resource management a real trends?
- Data mobility without app awareness
- Avoid more storage silos in multi-cloud environment