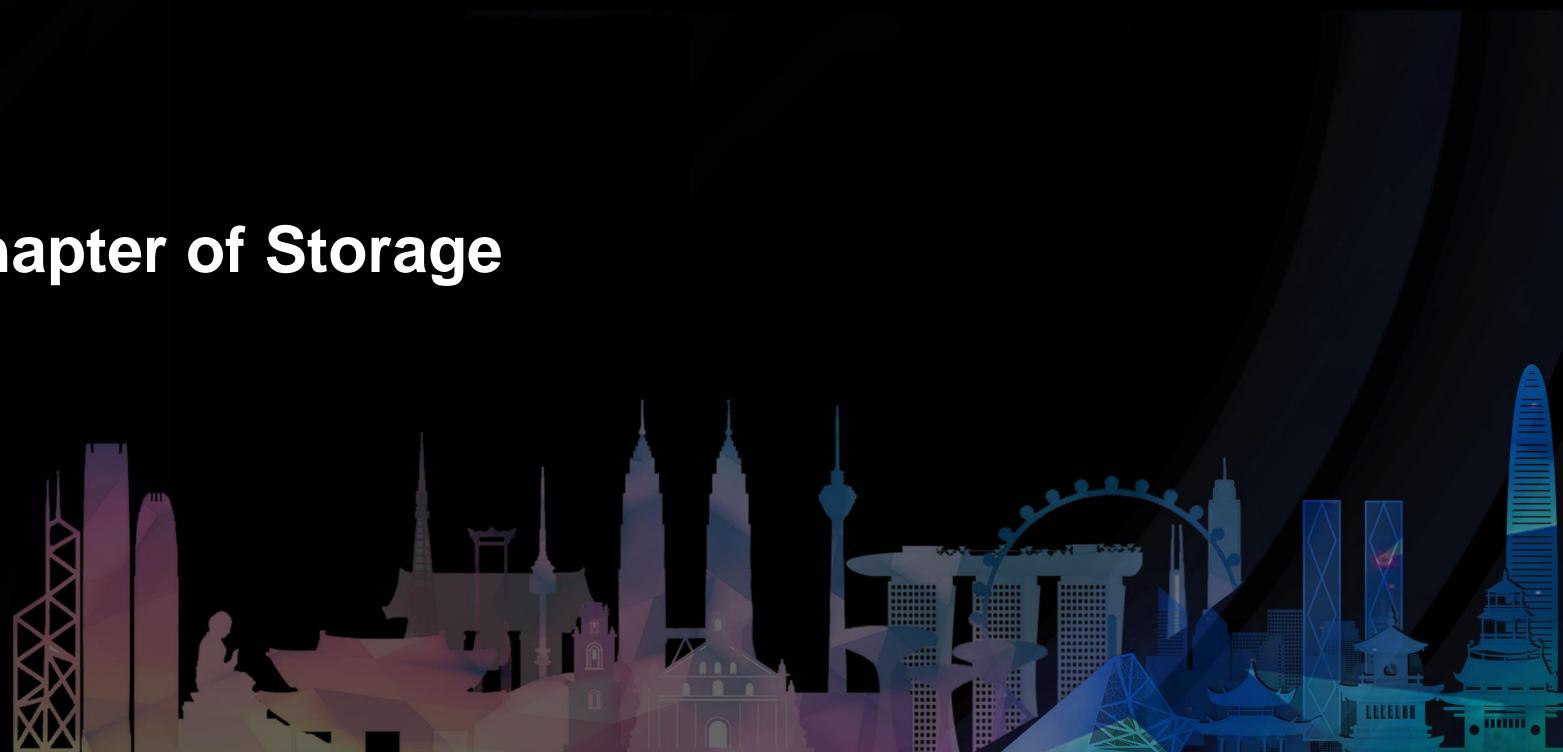
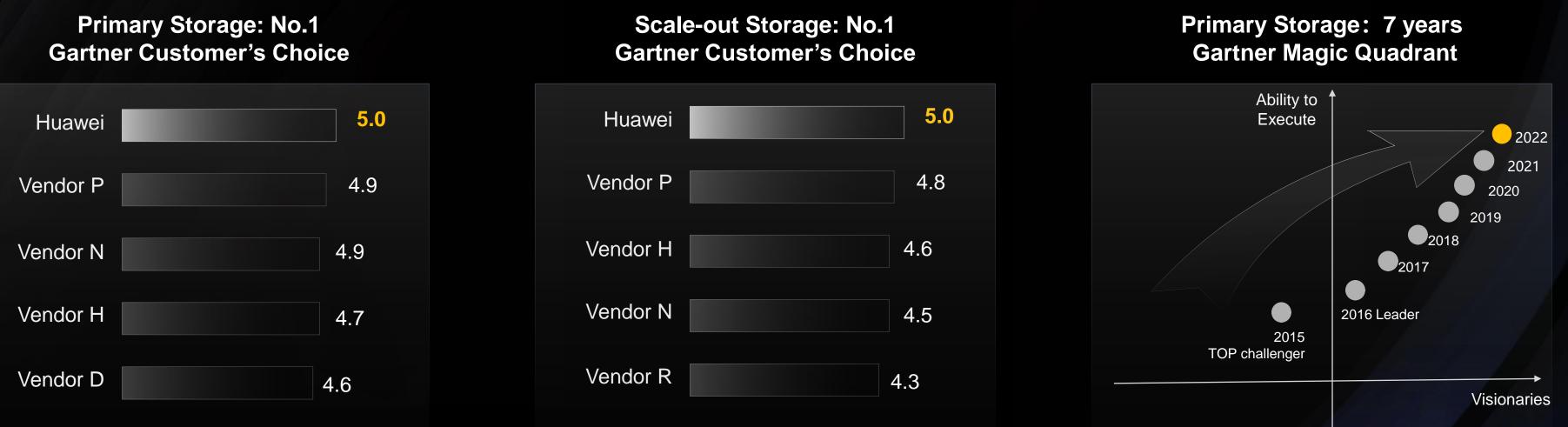
Together, a New Chapter of Storage

Dr. Peter Zhou

President of Huawei IT Product Line



Much Appreciated for Your Trust and Support



Industry Changes Created Four New Opportunities

Green



Singapore carbon tax adjustment, **16 times increment within 8 years.** (SGD 5/tonne → SGD 80/tonne)

> "AFA Redesign" Opportunity

Reliability



HKAB published **STDB guidelines**. Singapore FSI and government strengthened security requirements.



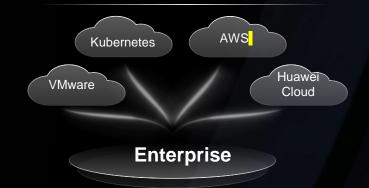
Unstructured Data



Oil & gas exploration: raw data 700GB/KM² requires 10 times storage capacity.

"Professional Storage" Opportunity

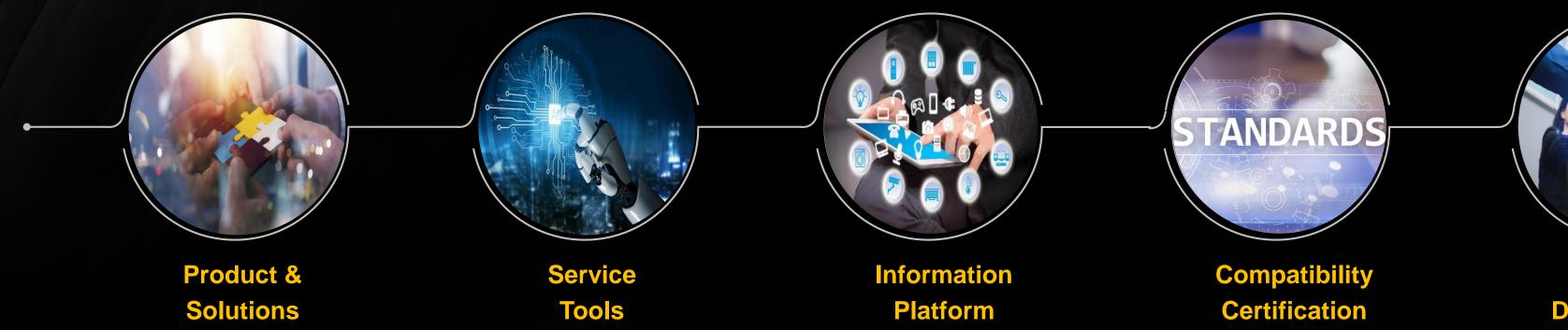
Multi cloud



96% of enterprises are using/evaluating the use of containers, which becoming mainstream technology and choice.

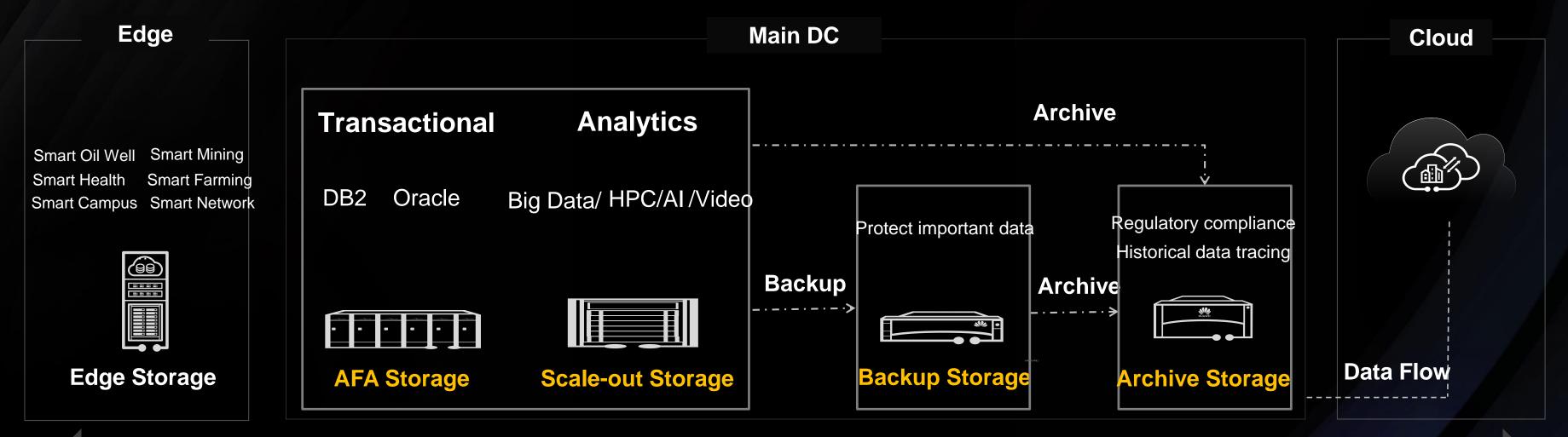
"Container Storage" Opportunity

Five Dimensions for Partnership Support



Capability Development

Provision of Comprehensive Storage Products and Solutions to Support Partners' Solution Sales Needs



Supporting free-flow of data in between applications deployed in multi-cloud environment

Production and Transactions: OceanStor Dorado with High Performance and Reliability



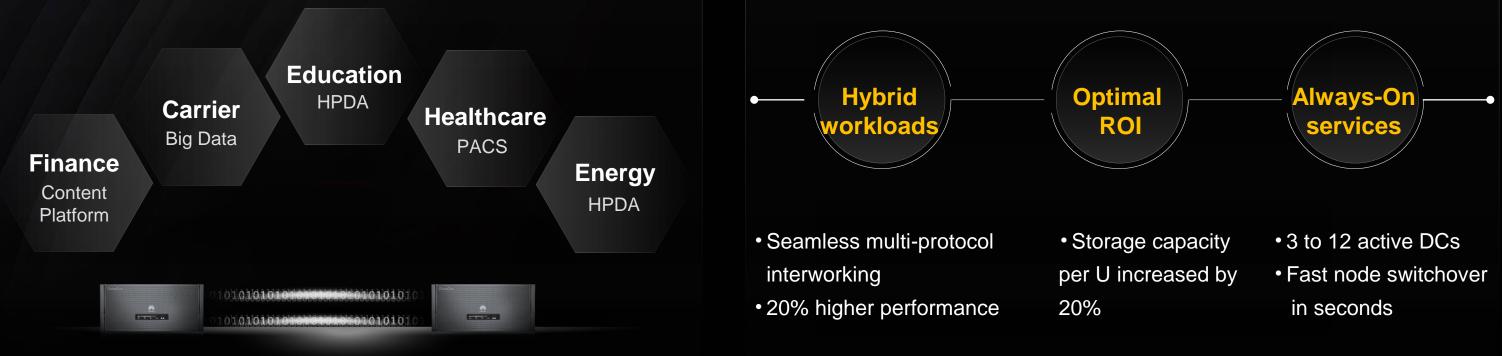
- Data and protocol security

X Bank in Singapore

Performance 4x Vendor H \rightarrow Huawei

X manufacturing enterprise in Korea Small files, performance 28% Vendor N \rightarrow Huawei

Data Analytics: OceanStor Pacific for High Efficiency and Hybrid Workloads



OceanStor Pacific Scale-out Storage

X DNA research institute in Japan Performance 15% $69GB/s \rightarrow 80GB/s$

> X university in Singapore Performance 3.5x $7GB/s \rightarrow 25GB/s$

Backup: OceanProtect with Faster Backup Speed, Higher Data Reduction

From Disk to Flash



Disk



Disk



Tape

Backup performance

3–5x higher bandwidth

Backup costs

Only 10% increase in backup budget

Recovery performance

Data recovery time: ≤ 30 min



Flash







Anything (tapes, disks, etc.)



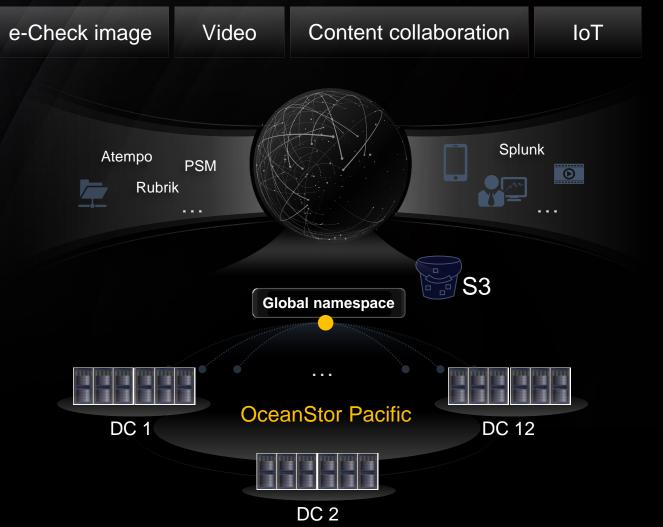
OceanProtect Backup Storage

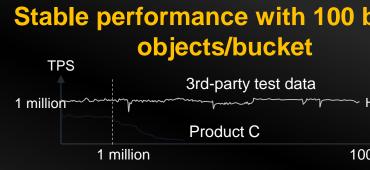
Rapid backupRapid Recovery155172TB/hourTB/hour

Efficient reduction 72:1 data reduction

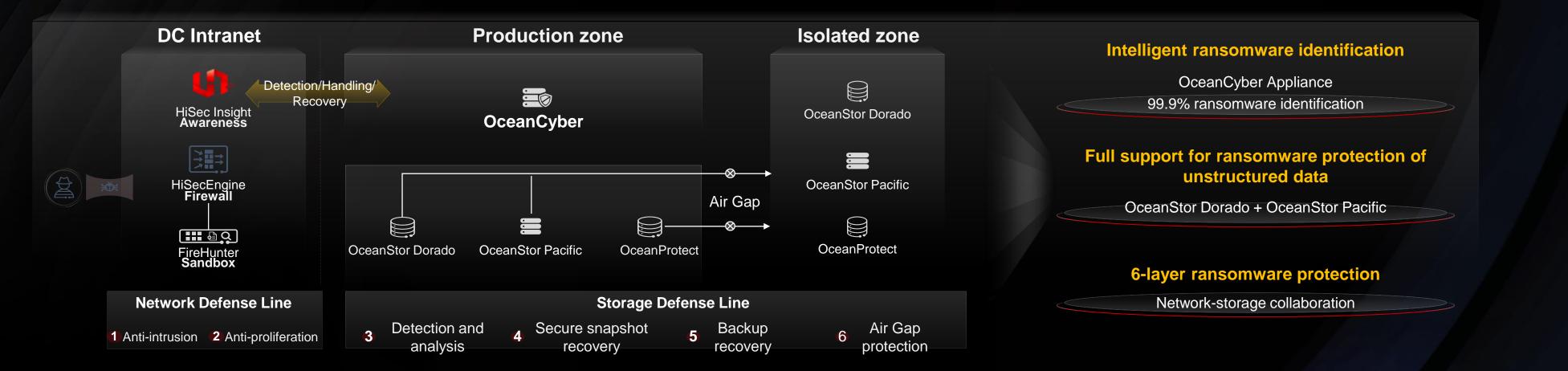
X bank in Singapore, Vendor I \rightarrow Huawei, performance 14x

Archive: OceanStor Pacific Object Storage with High Reliability and Stable Performance **Stable performance with 100 billion** IoT objects/bucket TPS 3rd-party test data \sim HUAWEI 1 million active DCs resource utilization Product C 100 billion 1 million A large online video carrier with 242 million monthly active users Index searching in seconds HD/UHD video operation OceanStor Media asset | Transcoding | **Cross-DC EC** Release Multiple active DCs for DR Active OceanStor OceanStor



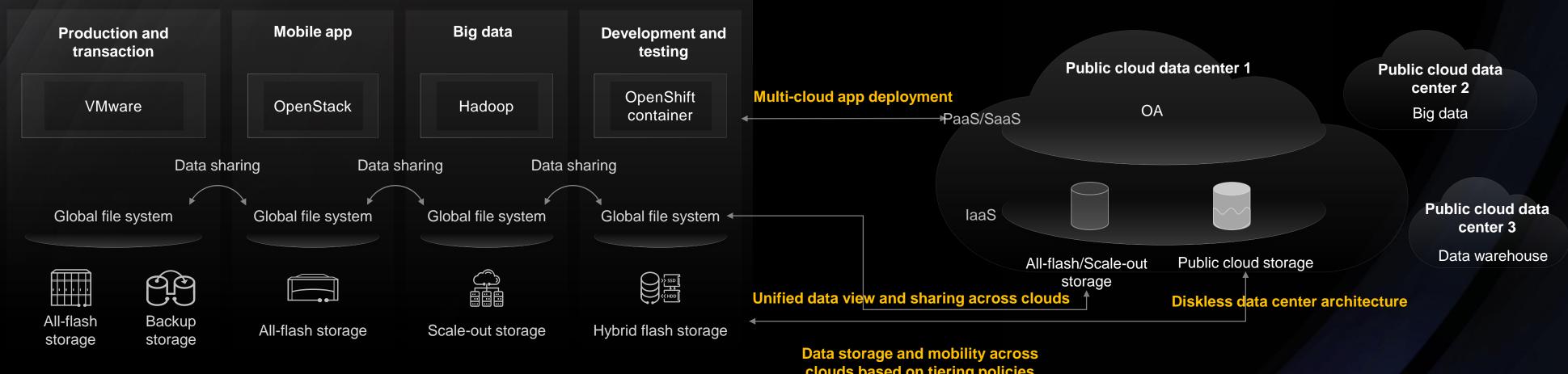


Anti-Ransomware: "Network + Storage" for Multilayer Comprehensive Data Protection



An exclusive anti-ransomware system deployed independently to specifically protect high value data in a Singapore bank

Multi-cloud: Centralized Data Storage Sharing, App Deployment Across Clouds, and cross-cloud data mobility



Enterprise data center

clouds based on tiering policies

Public cloud data center

Commercial Market: Cost-effective & Easy-to-use Storage

Industry	Scenario			
FSI	SMB Core System			
Enterprise	ERP/OA/DB			
	File Sharing			
Education	OA			
	Smart Campus			
Medical	HIS			
	PACS			



Backup Storage **OceanProtect X3000**

Capacity : 16-80TB



010101010101010101010101010101

Easy

Efficient

Reliable

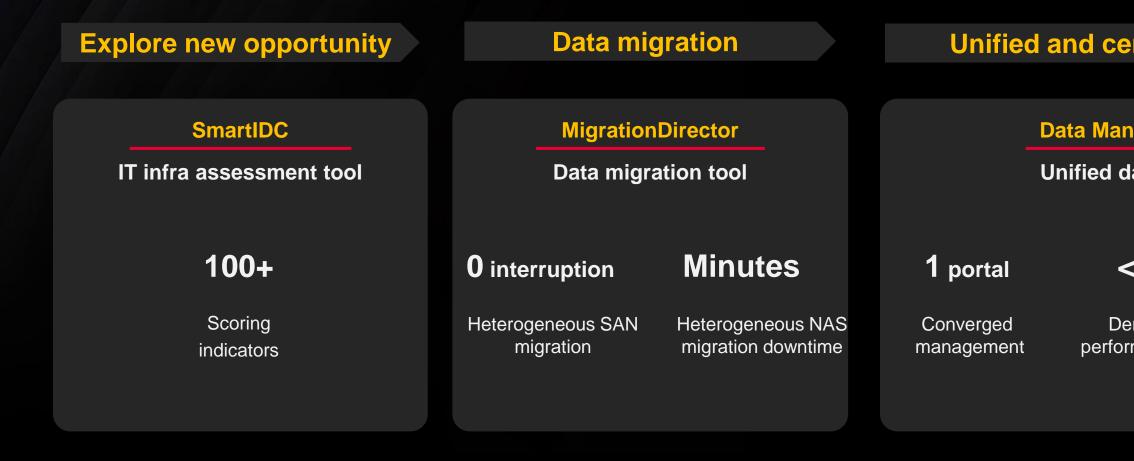
Capacity & Performance

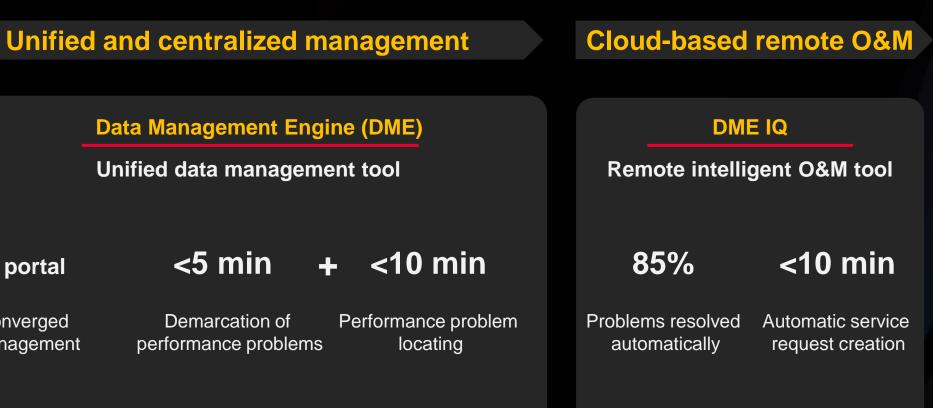
Reduction

Proactively Predict Industry-Leading Data Industry Only A-A Arch, Failover in Seconds

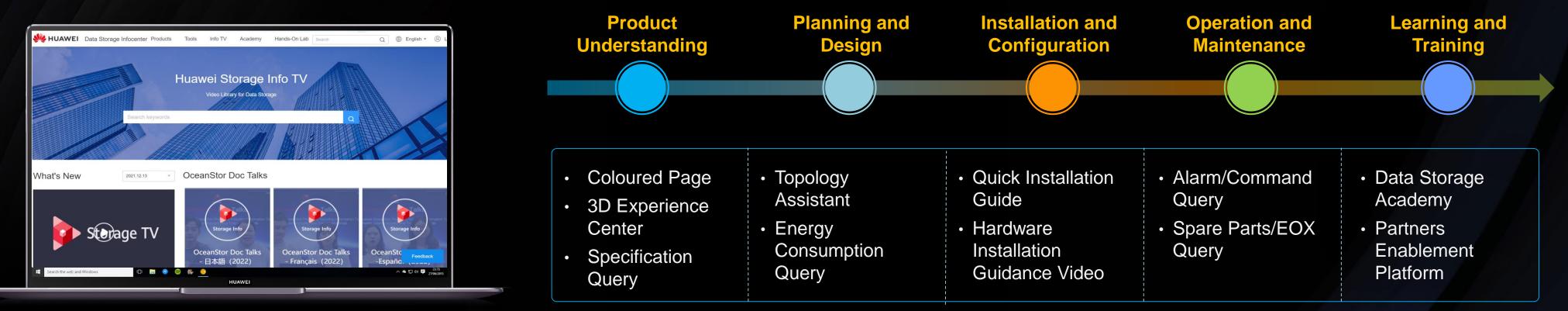


"Leads \rightarrow Relocation \rightarrow O&M" Tools to Improve Partners' Engagement Efficiently





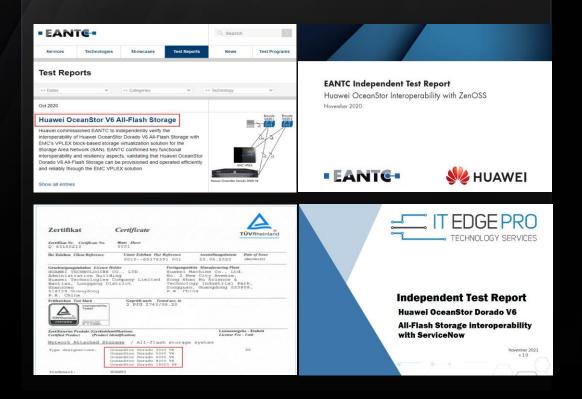
Simple and Interactive Documents Platform for Partners



https://info.support.huawei.com/storage/#/home

Worry-Free Comprehensive Ecosystem Compatibility

Evaluation organization certification: EANTC, TUV, IT Edge etc

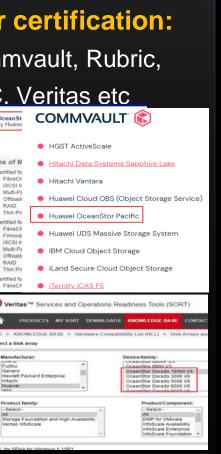


Original manufacturer certification:

VMware, Microsoft, Commvault, Rubric,

EMC Vplex. IBM SVC. Veritas etc

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OceanStor Do		Vendor	Model				Firmware	AB Stor Veri
Items per page:	50 ~ 1-	SUN/Oracle	Storage	99xx			Migration only s The arrays are	



Partner and customer proof: Axians, Hi3G, Chong Hing Bank, etc.

Huawei Storage and Veeam Back	kup and Replication v12			
Interoperability Test Report				
a first start and the	lans		Publications récentes Huawel OceanStor Dorado All-Flash Storage and Dell Networker Interoperability	
	xians Global		Test Report	
1 Executive Summary	lights Reserved		> Huawei OceanStor Dorado All-Flash Storage and Symantec Protection Engine	
Axians Global ("Axians") assessed the im version 12 software with Huawei storage OceanStor Pacific and OceanProtect. The v12 is interoperable with Huawei storage	 Veeam 12 Upgrade Guidance Veeam Backup & Replication with Huawei Storage Plugin Enabled and Disabled 			
In the assessment, Axians has determine function with Huawei storage for the follo		ore jobs will	Comparison Test Report > Huawei Storage and Veeam Backup and	
Test Scenario	System Involved	Result	Replication v12	
OceanStor Dorado All-Flash Storage	Backup Source - SAN (VMware	e) Passed		
OceanProtect Backup Storage	Backup Target - NAS	Passed		
OceanStor Pacific Series	Backup Target - NAS	Passed	Archives	
OceanStor Pacific Series	Backup Target - S3 Object Stor		> avril 2023 oduct Deployment Usage Statement	
Huawei storage product deployn To Yangchao: We, <u>Sweden Hi3G Access AB</u> in the project <u>Product</u> as manufactured and delivered storages as follows until.	tion storage Active to Active	Huawei Storage Pro whom it may concerns: We. Chong Hing Bank have The <u>system Database</u> confign	oduct Deployment Usage Statement	
Huawei storage product deployn To Yangchao: We, <u>Sweden Hi3G Access AB</u> in the project <u>Product</u> as manufactured and delivered storages as follows until.	tion storage Active to Active_ Active mode	Huawei Storage Pro whom it may concerns: We. Chong Hing Bank have	oduct Deployment Usage Statement	
Huawei storage product deploys To Yangchao: We, <u>Sweden H10 Access AB</u> in the project <u>Product</u> as manufactured and delivered storages as follows until 1Dorado18000Y6 NVMe. 2 system in Active to /	ment statement tion storage Active to Active	Huawei Storage Pri whom it may concerns: We. Chong Fing Bank have In a yastem Database, confrg Storage: Humed 228HT Server: Internet 228HT Operation System: Relin Database Software; Orac	e purchased and deployed Huawei storages for our business. uration as follow: Sour Derauda 3000 Yé 3 at Enterprintie Linux de 12e	
Huawei storage product deploys fo Yangchae: We, <u>Siveden H3Q Access AB</u> in the project <u>Product</u> as manufactured and delivered storages as follows until. 1. <u>Doradol 8000V6 NVM6.2 system in Active to J</u> 2. <u>Oceanstor6800/3500V3/V5, NAS and block, ma</u>	ment statement tion storage Active to Active To Active mode altil devices running normal on following es, Redhat OS, and Citeo DS	Huawei Storage Pri whom it may concerns: We. Chong Hing Bank have The system Database; config Storage: Humord Decoms Server, Humord Decoms Operation System: Folia Database Software; Orie We confirm that the mention	ocluct Deployment Usage Statement : purchased and deployed Iluawei storages for our business. wration as follow: bur <i>Thornala 3000 1'6</i> at <i>Enterprise Linux</i> de <i>Ize</i> seed business system is running stable and related products	
Huawei storage product deploys To Yangohao: We, Sweden H33G Access AB in the project Product as manufactured and delivered storages as follows until 1. Dorado18000Y6 NVMe, 2 system in Active to J 2. Oceanstor6800/5500V3/V5.NAS and block, mu these Huawei storage equipment has been deployed and	ment statement tion storage Active to Active To Active mode altil devices running normal on following es, Redhat OS, and Citeo DS	Huawei Storage Pri whom it may concerns: We. Chong Fing Bank have In a yastem Database, confrg Storage: Humed 228HT Server: Internet 228HT Operation System: Relin Database Software; Orac	oduct Deployment Usage Statement : purchased and deployed Iluawei storages for our business. wration as follow: bur <i>Toruda 5000 FG</i> at <i>Enterprise Linux</i> de <i>Ize</i> seed business system is running stable and related products	
Huawei storage product deploys fo Yangehao: We, Sweden Hi3O Access AB in the project Product as manufactured and delivered storages as follows until: 1	ment statement tion storage Active to Active. To Active mode titl devices running normal on following es. Redhat OS. and Cisco DS are	Huawei Storage Pri whom it may concerns: We. Chong Hing Bank have The system Database; config Storage: Humord Decoms Server, Humord Decoms Operation System: Folia Database Software; Orie We confirm that the mention	ocluct Deployment Usage Statement :: purchased and deployed Huawci storages for our business. uration as follow: :::::::::::::::::::::::::::::::::::	
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Golden Seed Program & HCSX Certification For Partners' Capabilities Improvement



Learning Journey, Culture Journey

- 9 days, 3 cities, high-level visit in China
- Visit Huawei campus and explore more about Huawei
- Starting in Chengdu, and end in Shenzhen, Dongguan
- See China and know more about China





Panda Center



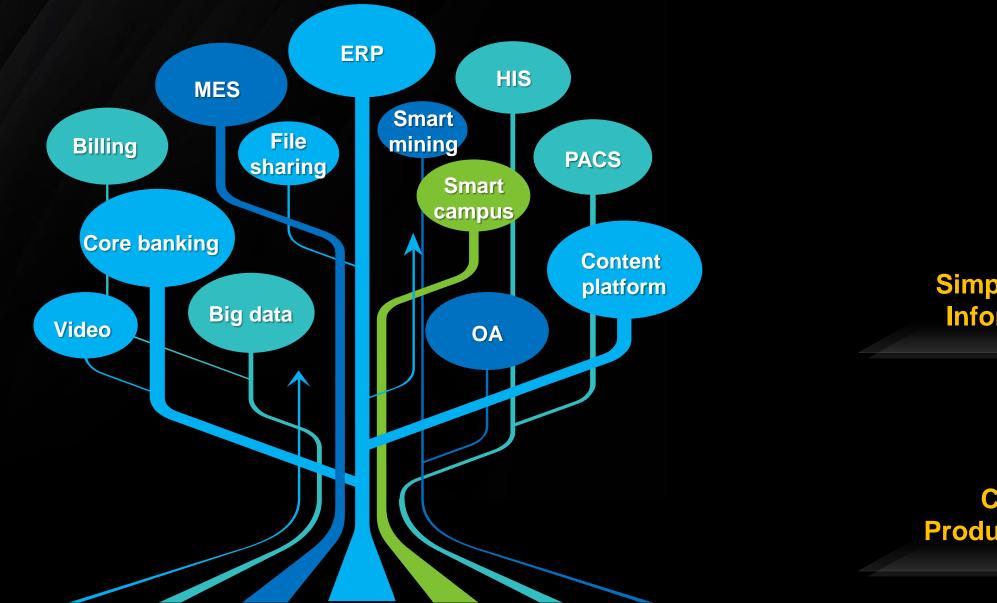
Production line tour



Production Center



Working Together for a New Chapter of Storage



Diversified **Capability Development**

Simple and Interactive **Information Platform**

Worry-Free Compatibility Certification

Comprehensive **Products and Solutions**

Efficient **Service Tools**

THANK YOU

