

COHESITY

Cohesity 重複性資料刪除

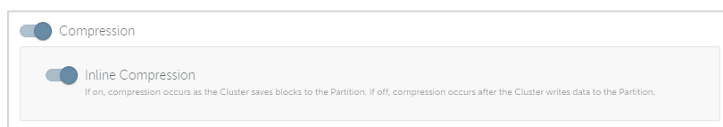
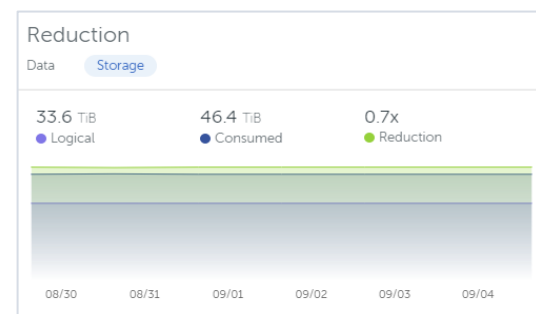
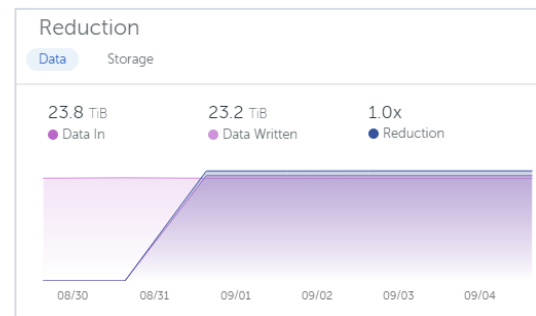
(需搭配 Cohesity Data Platform 資料收容平台)

Deduplication 重複性資料刪除功能

- Inline Deduplication,可配合檔案特性靈活變動區塊大小
- 比固定區塊大小效能更為優異

Compression 資料壓縮功能

- 將會因為檔案屬性不同有著不同的結果



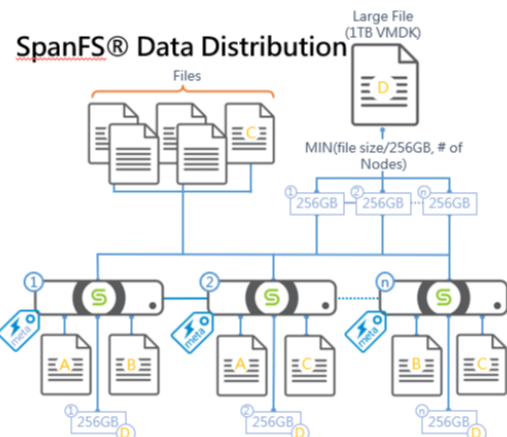
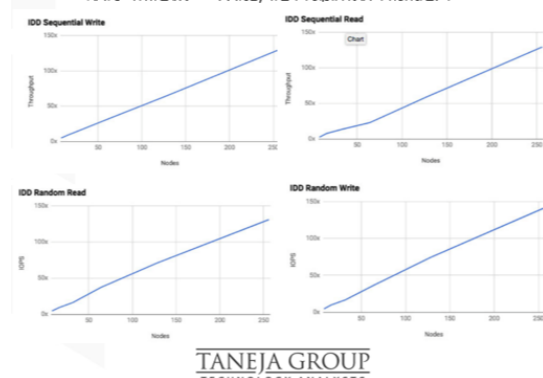
彈性擴充

- SpanFS 提供跨節點的檔案系統
- 無限量的擴充節點、如果你要的話也可以移除節點
- 要用多少買多少
- 不需要資料遷移、也不會遭遇停產的問題



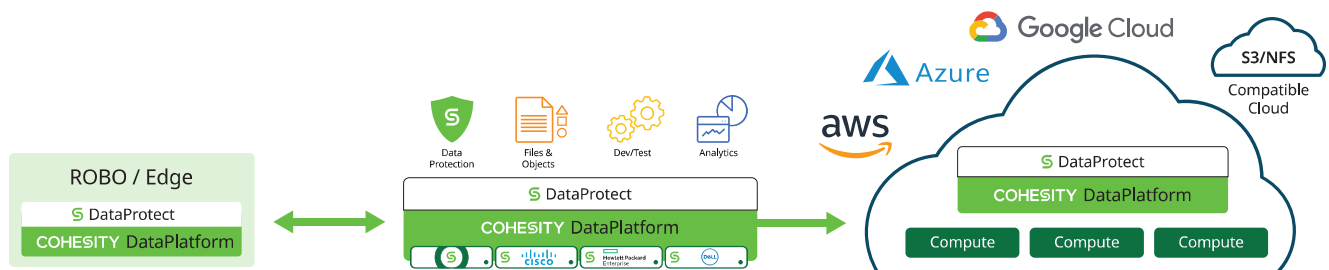
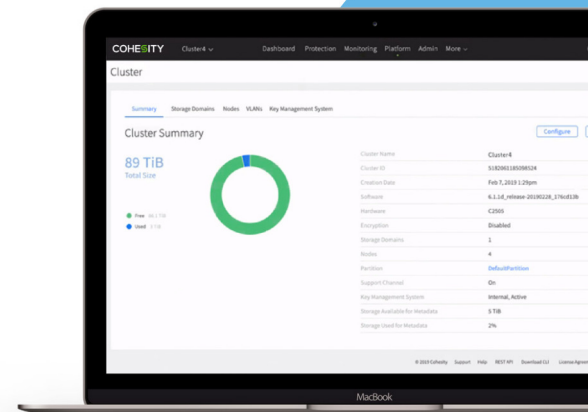
線性的效能提升-256個節點測試結果

- 5PB RAW Capacity
- 橫向擴充帶來的效能線性延展
- 順序和隨機IO 效能, 隨著節點數增加提升



Cohesity DataPlatform

Cohesity DataPlatform™ consolidates data and applications including backups, files, objects, dev/test, and analytics on a single, software-defined platform. Inspired by web-scale architecture, DataPlatform is a scale-out solution based on a unique distributed file system, SpanFS®. DataPlatform modernizes and simplifies data and application management by providing one platform for multiple workloads. Although most organizations begin their journeys to overcoming mass data fragmentation by simplifying data protection, DataPlatform's flexible architecture allows easy expansion to additional use cases, further increasing operational simplicity and improved TCO. Because DataPlatform is a software solution, it works equally efficiently on-premises on qualified Cisco, HPE, Pure Storage, Dell, or Cohesity hyperconverged platforms as well as in the public cloud.



Web-Scale Simplicity and Efficiency

The flexible, resilient, and on-demand web-scale benefits pioneered by hyperscalers such as Google are now available to enterprises with DataPlatform. The solution eliminates unnecessary data silos and spans workloads as it converges data on a single platform. It accommodates data growth by delivering scale-out file and object storage in a limitless, pay-as-you-grow model without disruptive upgrades.

Easy, Cloud-Ready Deployment

DataPlatform is cloud-ready, ensuring seamless and rapid data and application mobility with leading public cloud providers including Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform. Take advantage of public cloud elasticity and economics using policy-based automation for archiving, tiering, and replication to the cloud. Move virtual machines (VMs) to the cloud for dev/test and then back again when ready.

One Platform, Endless Possibilities

DataPlatform is powered by a patented distributed file system architecture, making it much more than a modern converged target for backup data. It can be used to recover applications instantly from any point in time to meet business SLAs. Cohesity and third-party applications also simplify file data search, speed eDiscovery, and streamline compliance. Built to support an API-first approach, DataPlatform integrates with leading automation solutions and custom business scripts to increase operational efficiency.

Specifications					
Hyperconverged Architecture	<ul style="list-style-type: none">• Cohesity SpanFS, a distributed file system• Web-scale architecture with unlimited scalability• Non-disruptive upgrades• Unlimited, distributed snaps and clones with no performance impact with Cohesity SnapTree				
Multiprotocol Support	<ul style="list-style-type: none">• Distributed volumes with multiprotocol NFS, SMB, and S3 access• Support for simultaneous sequential and random IOs				
Storage Efficiency	<ul style="list-style-type: none">• Global deduplication across all nodes, variable length, inline, or post-process• Compression, including Zstandard• Erasure coding 2:1, 4:2, and 5:2, and replication factor				
Data Resiliency	<ul style="list-style-type: none">• Strict consistency across nodes within a cluster, ensuring data resiliency and that reads always return the most recent data• Two node and two disk fault tolerance support				
Use Cases	• Backup and recovery	• Files and object storage	• Analytics	• Long-term retention	
	• Target Storage	• Security and compliance	• Dev/Test	• Disaster recovery	
Supported Applications	<ul style="list-style-type: none">• Cohesity DataProtect – DataPlatform is the foundation for DataProtect’s delivery of comprehensive data protection for all workloads, anywhere on a single platform that converges backup, recovery, replication, and target storage with fast RPOs and near-instant RTOs• Cohesity Helios – SaaS-based global data and apps management for Cohesity environments• Cohesity Developed Apps – Native applicants including Pattern Finder, Password Detection, Video Compressor, and other containerized applications from the Cohesity MarketPlace.• Third-Party Apps – Including Splunk, SentinelOne, Cristie, and more from the Cohesity MarketPlace.• Custom Apps – Develop custom apps using Cohesity’s App SDK				
Global Search	<ul style="list-style-type: none">• Automated global indexing• Wildcard searches for any VM, file, or object on the platform				
Flexible Deployment	<ul style="list-style-type: none">• Software-defined solution for on-premises, public cloud, and edge sites• Private cloud/data center – Hyperconverged storage appliances, supporting qualified Cisco, HPE, Pure Storage, Dell, Fujitsu, Intel and Cohesity hardware• Virtual Infrastructure - DataPlatform for virtualized infrastructure (VMware vSphere)• Public cloud – DataPlatform Cloud Edition for a variety of use cases in leading public clouds• Remote/edge sites – Simplified data and applications management with DataPlatform for Edge				
Public Cloud Integration	<ul style="list-style-type: none">• Native cloud integration with all leading public clouds including AWS, Microsoft Azure, Google Cloud Platform, and any S3 compatible clouds, as well as AWS Govcloud and Microsoft Azure GovCloud				
Global Management	<ul style="list-style-type: none">• Cohesity Helios for multi-cluster, global active management				
Integration & Automation	• API-first architecture	• RESTful API	• PowerShell Module	• Python SDK	• Ansible
	• OpenAPI standard	• VMware vCloud Director (vCD)	• VMware vRealize (vRA/vRO)	• ServiceNow	
Encryption	<ul style="list-style-type: none">• Software AES-256, FIPS compliant encryption of data in flight and at rest				