Conflunt SDS
Software Defined Storage
by
Buvet Tech

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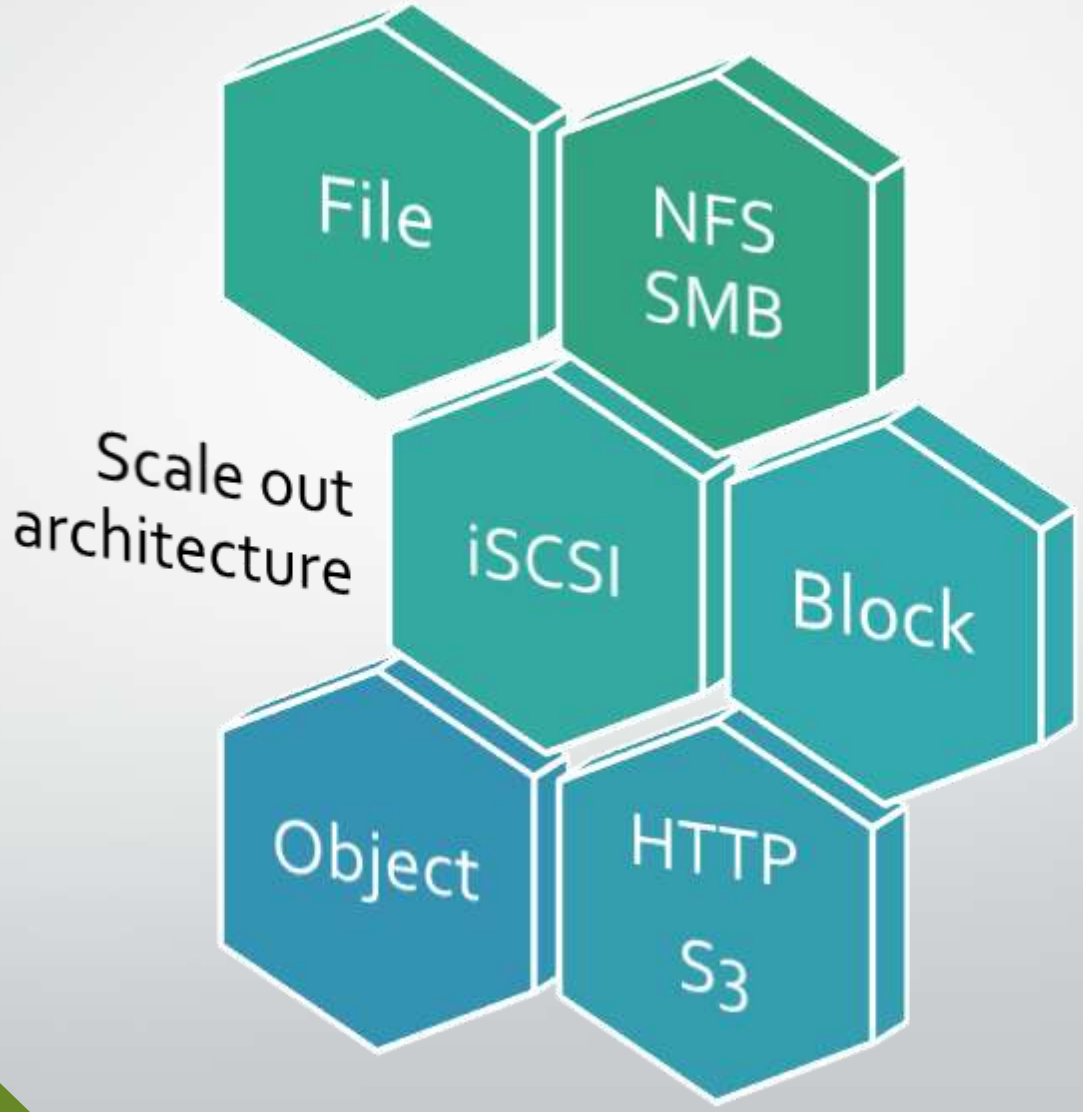
Brochure

Conflunt SDS



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Conflunt SDS Solution

- Distributed topology across many nodes
- Distributed Scale out architecture
- Extensively scalable from a modular storage appliance to a cost effective cloud solution
- Industry leading storage functionality such as File, Block and Object, Thin Provisioning, Erasure Coding, and Cache Tiering
- Manage storage clusters with an intuitive and easy to user web GUI administrative interface.

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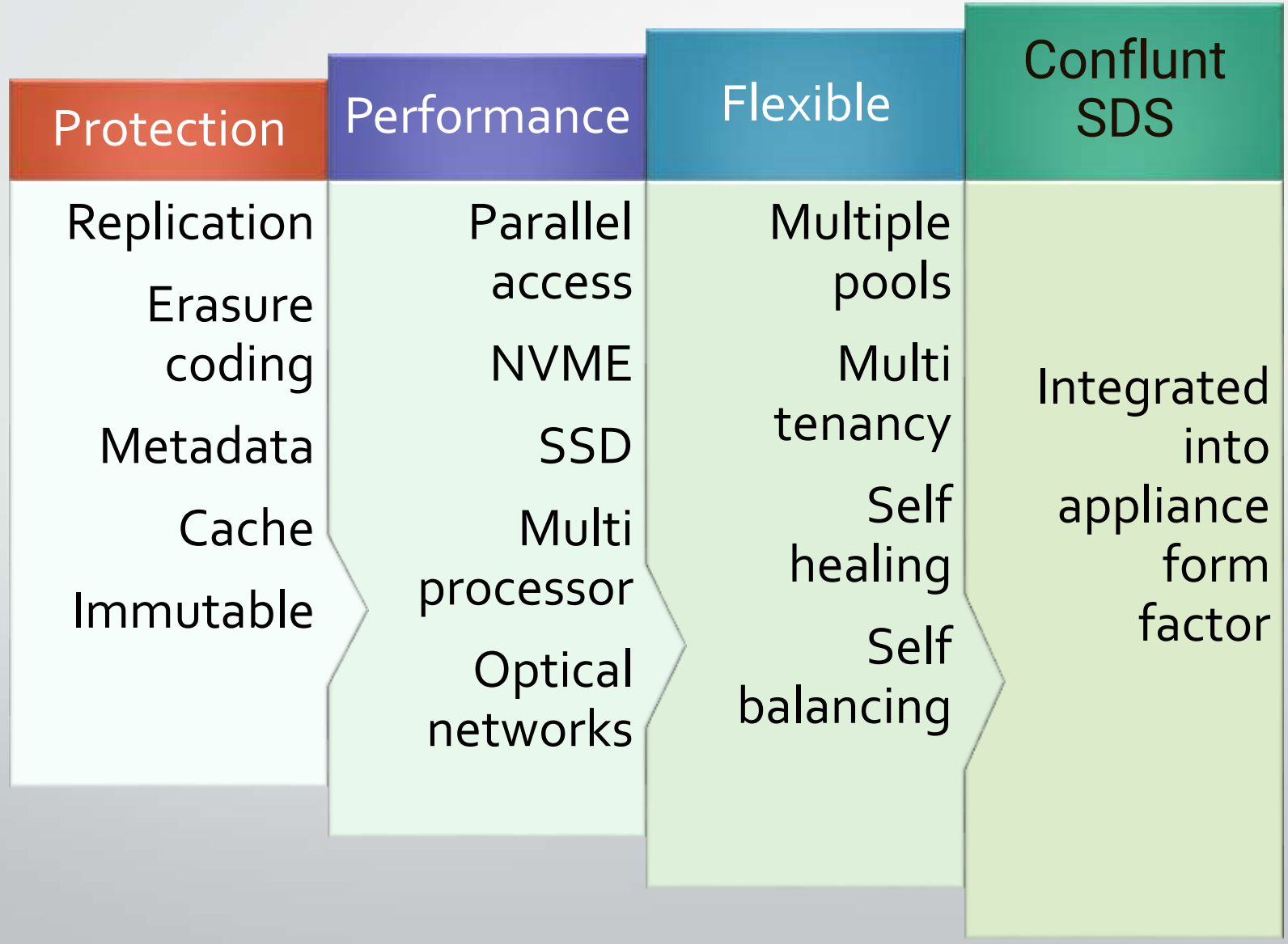
Protection
Replication
Erasure coding
Metadata
Cache
Immutable
Performance
Parallel access
NVME
SSD
Multi processor
Optical networks
Flexible
Multiple pools
Multi tenancy
Self healing
Self balancing
Conflunt SDS
Integrated into appliance form factor

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Features

Multiple Controller
Active - Active
High Availability

Block volumes for VMs

Cache tiering
Compression
Data-at-rest encryption

Multiple storage backends
iSCSI interfaces, File services interfaces for NFS, SMB.

VM disk operations
Create, delete, extend, and migrate volumes

Replication factor (2/3/more)
Data spreads across the cluster

Data security
Disk level
Node level
Site level (DR)

Data live replication : Mirror data Uni directional / Bi directional between multiple sites

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Virtualization Features

SNAPSHOT

LINKED CLONES

GEO WIDE REPLICATION

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Conflunt SDS Server Specification

Type	Specifications
Base board	Dual socket server motherboard
Processor	Intel Xeon Scalable processor 8 / 10 / 12 / 16 / 18 / 20 / 22 Cores
Memory	32 GB DDR4 ECC, scalable up to 1 TB. 16 memory slots.
Storage Drives	Flash storage with SSD drives : 240 GB to 7.68 TB Spinning drives with SAS/SATA : 1TB to 20TB
Network ports	4 x 10G/25G/40G Optical, RJ45, 1 x 1G management port
Internal ports	1 VGA, 4xUSB, 16 memory slots, 6 x PCIe 3.0
Power supply	600W/700W/750W redundant power supply
Chassis factor	2U/3U/4U Rack form factor with 8/16/24 bays Supports 2.5Inch & 3.5Inch hard disks.

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