

KloudStor Storage as-a-Service

A fully managed Block-based storage service that delivers value through On-Premise and Secured storage infrastructure based on a pay-per-consumption model. The solution eliminates storage silos, increase data availability and enables a flexible and scalable storage environment that meets to changing business and application growing needs

KloudStor Storage as-a-Service: Block storage

KloudStor Storage as-a-Service offers a complete portfolio of managed storage solutions that enables you to get the most out of your storage. Powered by enterprise class industry proven storage virtualization technology, KloudStor's Storage-as-a-Service delivers the ability to centrally manage, automate and protect your data across your diverse storage requirements, giving you the flexibility and scalability to control what you want to store and how you want to protect your data.

This block-based software defined storage solution eliminates silos by pooling storage resources and optimize your capacity across disparate storage tiers. It maximizes the collective value of your storage infrastructure by allowing data access to be delivered with uninterrupted speed while increasing the flexibility and scalability. Like all products in our Storage-as-a-Service suite, it can be delivered on premise on a pay-per-use consumption model.



BOOST IN PERFORMANCE

- Avoid capacity overload
- Improve storage performance with auto-tiering

SIMPLICITY IN MANAGEMENT

- Centrally managed with single command & control using Web Gui or CLI for entire storage infrastructure

HIGHER AVAILABILITY

- Enable uninterrupted data access from applications and/or server clusters
- Remote Monitoring & Management by KloudStor

FLEXIBILITY & SCALABILITY

- Capacity on demand
- Scale up or down

PERFORMANCE & SECURITY

- On Premise equipment
- Intelligent fault diagnosis
- Data Protection

KloudStor Storage as-a-Service

Suite of Block storage solutions which allows business enterprises to quick start their basic storage infrastructure and at the same time leverage on speed and performance capabilities at a cost optimized scale.



BLOCK

FEATURES

- ✓ Enhance performance with RAM caching, parallel I/O processing and auto-tiering
- ✓ Thin provisioning of capacity, eliminates wastage of space through pre-allocation and over-commitment
- ✓ Asynchronous replication, resynchronization and failback
- ✓ Auto Failover, Remote site redundancy, Automate data tiering across storage classes
- ✓ Automate Data Recovery through snapshots and continuous data protection

Technical Specifications *

Base Features	Auto-tiering, Snapshots, Asynchronous replication Storage Pool Caching De-Duplication Load-Balancing
High Availability Features	Redundant hot-swap controllers Redundant hot-swap drives, fans, power Hot standby spare Automatic failover Multi-Path support
Device Support	NL-SAS HDD, SAS HDD, SSD
Data Protection	RAID levels up to 50 RAID(OS) ADAPT Erasure Coding Mirror and Parity High Availability Continuous Data Protection

Network

Network Protocols	CIFS / SMB for Windows HTTP/S for Web browsers S3 Compatible API
Network Services	DHCP or Static IP address assignment
Supported Network Client OS	Microsoft Windows 8.1, 10 & 11. Windows Server 2016, 2019 & 2022 Linux

Hosts

Interface	Fibre Channel iSCSI SMB CIFS
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Management

Interface Types	10/100/1000 Ethernet, Mini USB
Protocols Supported	SNMP, SLL, SSH, SMTP, HTTP(s)
Management Consoles	WEB GUI, CLI
Management Software	Storage management console Remote diagnostics Nondisruptive updates Volume expansion
Supported Web Browsers	IE 8.0 , Microsoft Edge, Google Chrome & Firefox

*Specification varies according to actual hardware requirements, system configuration, workload and service configuration and set-up



For more information, please visit www.kloudstor.asia or email us at enquiry@kloudstor.asia