

Software Define Storage NAS

Meet Business Needs Now and Tomorrow
With Converged Infrastructure



CONFIGURATION DETAILS

IOPStor Classic

Intel Celeron J1900 (10W, 4C)

8GB DDR3 1600 Ram

120GB SATA SSD

4TB/ 8TB/16TB /7220GB HDD

1440GB/2880GB SSD

Appliance Workload : 5 - 10 users*

Iopstor Storage available Capacity

Model No : IOP4MB	Use HDD/ SSD
4TB Storage HDD	1TB * 4
8TB Storage HDD	2TB * 4
16TB storage HDD	4TB * 4
720GB Storage SSD	240GB * 3
1440GB Storage SSD	480GB * 3
2880GB Storage SSD	960GB * 3



Features

- Unlimited Scalability
- Replication
- Web Interface
- De-duplication
- Data security through ZFS
- SSD Caching Read/Write
- Hardware agnostic
- Unlimited Snapshots
- File sharing (SMB/CIFS/AFP/AP/FTP)
- High availability
- Enterprise ready
- Blazing fast
- Safe
- Economical
- Customizable
- VMware, Citrix, Windows Server Certified
- Block Storage (ISCI/FC/NFS)

Technology Partners



IOPSTOR[®]

Marketed by Prime ABGB Pvt. Ltd.

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IOPStor All-Flash and Hybrid Array Platform

Basic Features

Zettabyte File System

ZFS is a revolutionary file system and logical volume manager that fundamentally changes the way file systems are administered, with features and benefits not found in any other file system available today. ZFS is robust, scalable, and easy to administer.

128 Bit File System

16 Billion Billion times that of 64 Bit File System ie. A HUGE Capacity.

Read / Write Cache using a combination of RAM / SSD / NVME

Frequent reads are stored in Cache making data retrieval very fast. Data is first written to cache & then to Drive removing latency in writes.

Snapshots & Clones

Snapshot Policy recovers deleted or corrupt data & Protects against Ransomware.

Hot Data Movement

Move older un-used data from SSD storage pool to Archival Pool.

End to end Data Integrity

Data is Checksumed for integrity

RaidZ

Unlike Hardware Raid, RaidZ has NO Black Hole. There is no data loss what so ever. Raid Build time is Instantaneous. Incase of Drive Failure rebuild of pool does not affect work in any way. Multiple Disk failure as per requirement

Hardware Agnostic

No getting tied down to any particular hardware vendor. Free to replace component form any vendor.

Compression

Fast Data Compression with NO IMPACT on performance. Increases storage capacity.

Advanced Features

Replication

Replicate data off site or on site for data protection

Deduplication

Automatically stores only a single version of a file & not multiple copies.

Link Aggregation

link aggregation in ZFS enhances network performance, provides fault tolerance, and contributes to the scalability of storage solutions by allowing multiple network interfaces to work together seamlessly.

Cloud Sync

Cloud sync in ZFS (Zettabyte File System) involves the capability to synchronize ZFS datasets with cloud storage services. This functionality allows users to replicate or back up ZFS data to cloud platforms, ensuring data availability, redundancy, and disaster recovery. By leveraging cloud sync in ZFS, organizations can seamlessly extend their storage solutions to the cloud, enhancing flexibility, scalability, and data protection. This integration streamlines data management processes and supports hybrid cloud environments, providing a versatile solution for organizations utilizing ZFS in conjunction with cloud storage services.

AD Integration

Active Directory (AD) integration in ZFS (Zettabyte File System) involves linking ZFS storage solutions with an AD domain, enhancing user access management and authentication. By integrating with AD, ZFS enables seamless collaboration between Windows environments and ZFS storage. This integration allows administrators to use AD credentials for user authentication, manage access control through AD groups, and ensure a unified identity management experience. It simplifies storage administration, enhances security, and provides a cohesive environment for organizations using both ZFS storage and Active Directory services.



Accelerate Application Response Time



Scalability Unlimited



Server Attached Flash



Operational Efficiency



Disaster Recovery



Ransomware Proof

