

outpace.io Z series

High-Performance ZFS Network Attached Storage

outpace.io Z series is a family of NAS appliances that combines the innovative and feature rich ZFS file system with scale-out, massively parallel Ethernet backend storage solutions powered by outpace.io Z series.

High Performance NAS

Outpace.io Z series leverages the open storage architecture capability of outpace.io to bring together two best-of-breed systems – a high performance file system that can scale to a Zettabyte of storage and scale-out block storage infrastructure that offers simplicity and flexibility at a fraction of the cost of Fibre Channel storage.

Outpace.io Z series is a modern, feature-rich NAS appliance based on the Zettabyte File System (ZFS) and designed to work with outpace.io block storage solutions.

Outpace.io Z series is ideally suited for public and private cloud environments, video and big data applications, where rapid scalability, ease of use and flexibility are important in a file-based storage system.

Leveraging a shared pool of elastic block storage, the outpace.io Z series protects sensitive data and maximizes storage efficiency for public and private clouds at a fraction of the cost of legacy solutions.

Administrators can easily deploy a pool of block storage within minutes, which can then be carved up and used by any number of front-end applications and file systems.

Scaling outpace.io Z series storage system is as simple as adding more outpace.io A series shelves for capacity.

The use of Layer 2 Ethernet to connect storage shelves from outpace.io A series to outpace.io Z series appliances obviates the need for complex, error-prone setup, configuration and multi-pathing.

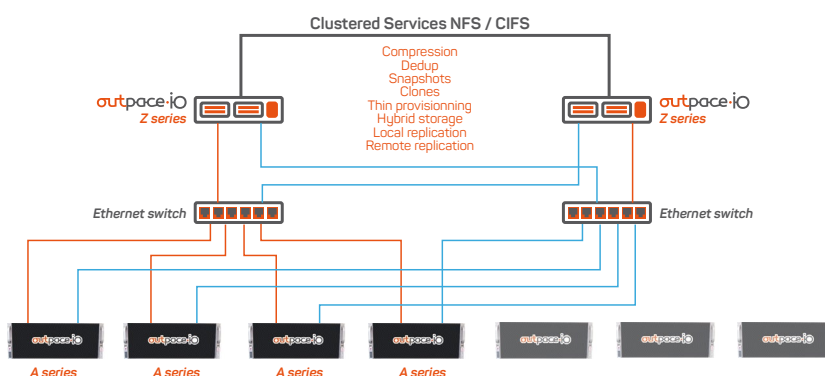
Z series

The Z series storage appliances are redefining storage for enterprises, with performance, efficiency, and seamless expansion to meet growth needs.

The Z series can expand up to multiple pools, and supports Hybrid Storage that can be configured with read and write optimized SSDs for enhanced application performance.

The Z series storage solution is capable of serving NFS and CIFS data over multiple Ethernet links and features remote replication, snapshots, thin provisioning, data compression and in-line deduplication.

Process



Key features and benefits

- > NFS and CIFS file protocols allow secure data sharing between Microsoft Windows, Linux, and UNIX environments
- > Thin provisioning, data compression and in-line deduplication
- > Snapshots, clones, and remote replication
- > Hybrid Storage Pools enabling an optimized storage hierarchy with DRAM, flash cache, and HDDs
- > Optional clustered NAS front-end support for high availability applications.

outpace.IO Z series Functional Specifications

File System	Powered by Oracle Solaris ZFS (128-bit addressability)
File-level protocol	NFS & CIFS
Thin provisioning	Allows storage capacity to be easily allocated, on a just-enough and just-in-time basis.
Hybrid Storage Pools	Optimized storage hierarchy with pools of storage containing DRAM, flash cache, and disk drives
Data compression	When a data block can be compressed to fit into a smaller block size, the smaller size is written to the disk to use less storage and improve IO throughput
Data deduplication	Inline, block-level deduplication
RAID	Striping, mirroring, triple-mirroring, single-parity RAID, double-parity RAID, triple-parity RAID, wide stripes between multiples outpace.IO A series shelves.
Snapshots	Read only, restore
Directory services	NIS, AD, LDAP
Network services	NTP, DHCP, SMTP
Local replication	Replication within same outpace.IO Z series Storage Appliance configuration
Remote replication	Replication from one outpace.IO Z series Storage Appliance product to another. 1:N, N:1, manual, scheduled, continuous
Clones	Writable snapshots
High Availability	Integrated high availability NAS solution with automatic failover (HA option)
Client operating system (OS)	All Linux distro and hypervisor (KVM, Xen, Docker®...), Red Hat® Linux Enterprise®, Microsoft® Windows®, Microsoft Hyper-V®, VMware®, OpenStack®, CloudStack

outpace.IO Z series Hardware Specifications

Model	ZM214	ZL214	ZXL214
Processor	2 x 8-core Intel® Xeon® E5 Processor		
Main memory	128 GB	256 GB	512 GB
High Availability	No	Yes (option)	Yes (option)
HA Accelerator (ZIL & L2ARC)	No	Yes (option)	Yes (option)
outpace.IO LAN Interfaces	2 x 10 GbE	2 x 10 GbE	4 x 10 GbE / 2 x 40 GbE
outpace.IO SAN Interfaces	2 x 10 GbE	2 x 10 GbE	4 x 10 GbE / 2 x 40 GbE
Operating temperature	5°C ~ 35°C (41°F ~ 95°F)		
Non-operating temperature	-40°C ~ 60°C (-40°F ~ 140°F)		
Power supply	Redundant (1+1) 1280W / 80+ Platinum Level		
Format	Height 3.5" (89mm) / Width 17.2" (437mm) / Depth 25.5" (648mm) / Weight 52 lbs (23.6 kg)		
Support	Include outpace.IO 24/7 zero worry support and warranty (hardware & software) Dedicated support portal and knowledge base.		

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