

Storage Solutions

Future-Proof and Tailored to Your Data Needs.

Whether you're managing mission-critical databases or massive volumes of unstructured data, HorizonIQ's storage solutions deliver the performance, scalability, and security your business demands. Choose high-performance block storage and/or infinitely scalable object storage—each fully managed, secure, and optimized for your most critical workloads.

Product Benefits

Optimized Data Performance

NVMe-based block and object storage deliver high performance and low latency. Object storage is S3-compatible with full policy and access control support.

Predictable Pricing

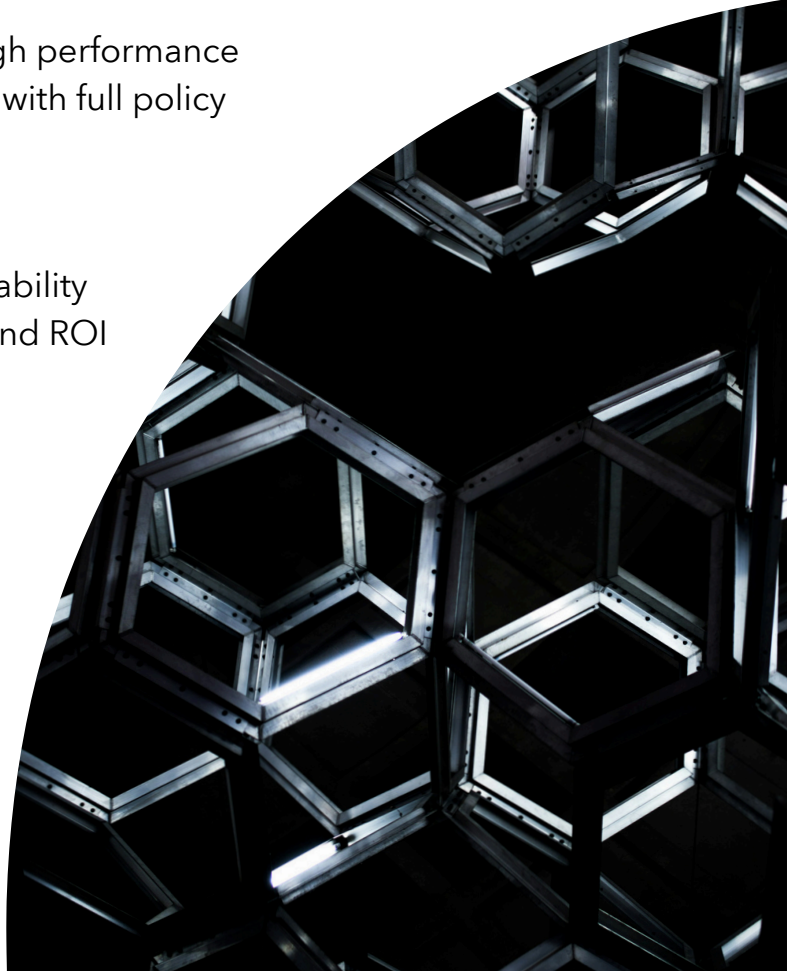
Flat-rate pricing across all tiers ensures budget stability with no surprise usage fees, making forecasting and ROI tracking simple.

Effortless Scalability and Flexibility

Easily scale storage as needs evolve, with the option to migrate between multi-tenant and dedicated arrays—no downtime required.

Enterprise-Grade Security and Uptime

Single-tenant options, full data encryption, and a 100% uptime SLA provide peace of mind for industries with strict compliance needs.



Options & Specs

BLOCK STORAGE

Built for structured data and performance-intensive applications, our block storage offers dedicated and multi-tenant arrays with flexible tiers.

Tier	IOPS per TB	Latency	Min Capacity	Use Cases
Essential Multi-Tenant	500	~10ms	1TB	Generic, web services
Advanced Multi-Tenant	1,700	~5ms	1TB	Database, VDI
Essential Dedicated	500	N/A	5TB	Archive, exploratory analytics
Advanced Dedicated	1,700	~5ms	200TB	Tier 2 database, backup & recovery
Ultimate Dedicated	6,000	~1ms	50TB	High-performance workloads

Options & Specs

OBJECT STORAGE

Built for modern unstructured data workloads, our object storage is 100% flash-based with high durability—perfect for scale-out storage needs.

Tier	Performance	Durability	Availability	Min Capacity	Use Cases
Advanced Multi-Tenant	2000 RPS	11 nines	99.9%	N/A	Data lakes, generative AI, website hosting
Advanced Dedicated	400,000 RPS	11 nines		N/A	Data lakes, generative AI, website hosting
Ultimate Dedicated	1,500,000 RPS	14 nines		50TB	High-performance unstructured data (e.g., analytics, ML, media, IoT)

Block Storage or Object Storage?

Block and Object Storage serve different needs. Block Storage offers low-latency performance for structured data like databases and VMs, while Object Storage is ideal for scalable, S3-compatible storage of unstructured data such as backups, media, and AI workloads.

At HorizonIQ, you're not limited to one or the other. We support both, so you can mix and match based on what your workloads demand.

Block Storage	Category	Object Storage
Optimized for high I/O workloads with low latency.	Performance	High-throughput, flash-based for large-scale unstructured data.
Vertical scaling, with tier migration options.	Scalability	Horizontal scale-out with no hard volume limits.
More granular control over IOPS and data placement.	Data Management	Automated metadata management and data distribution.
VMs, databases, backups, transactional systems.	Best For	ML datasets, IoT data, large media, backup archives.
Multi-tenant or dedicated.	Deployment	Multi-tenant or dedicated.
Seamlessly integrates with Bare Metal & Private Cloud.	Integration	Connects to HorizonIQ infrastructure and is compatible with the S3 API.
Databases, VMs, enterprise applications.	Use Cases	AI model development and training, big data analytics, data lakes, media files and content, backup and archiving.

Compare Our Storage Options

At HorizonIQ, we offer both our in-house storage platform and Pure Storage® arrays to meet your unique needs. Whether you're prioritizing seamless integration with HorizonIQ services or looking for advanced enterprise features from Pure's Purity software stack, we help you choose the right solution for your business goals.

Feature	 HorizonIQ	 PURESTORAGE®
Supported Services	Bare Metal, Proxmox Managed Private Cloud	Bare Metal, Proxmox and VMware Managed Private Cloud
Data Reduction	N/A	Yes, through Purity Reduce*
Snapshots	Yes*	Yes, through Purity Protect*
Encryption	API call encrypted, no data encryption	Yes, through Purity Secure*
Bursting	N/A	Yes, with EG1 arrays*

* For dedicated arrays only

The HorizonIQ Difference

Global Reach and 100% Uptime SLA

Deploy where you need help the most across a variety of regions in three continents, and get peace of mind with our 100% infrastructure and network uptime guarantee.

Cost Efficiency

Achieve up to 70% cost savings with our proprietary tools, optimized pricing models, and cost-efficient private cloud, bare metal, and GPU server solutions.

Ultimate Flexibility and Scalability

Customized configurations to meet your exact needs. Need to scale up? Our team can quickly add new servers to your environment.

Secure and Compliant

Our single-tenant infrastructure ensures enterprise-grade compliance (such as HIPPA, SOC 2, PCI DSS) without the risks of shared environments.

How We Stack Up in Object Storage

Criteria	 HorizonIQ Advanced Multi-Tenant Object Storage	 wasabi Hot Cloud Storage (with WACM)	 BACKBLAZE B2 Cloud Storage (with Powered by Backblaze)
Object Storage Model	Always-hot object storage	Always-hot object storage	Always-hot object storage
Underlying Hardware	Ceph multi-tenant hardware cluster	Proprietary storage architecture	Proprietary Vaults & Pods architecture
Performance	2,000 RPS	~91 RPS (PUT/GET, 10 threads, 1 MB objects via S3 benchmark tool)	500 RPS default (upload/download per account)
Durability	11 nines (99.999999999%)	11 nines (99.999999999%)	11 nines (99.999999999%)
Availability	99.9% availability	99.99% SLA	99.9% uptime
Increments	1 TB minimum, add in 1 TB steps	Pay-as-you-go, no minimum	1 TB minimum, scales per TB
API	Fully S3 API compatible	S3 compatible + WACM Connect API	S3 compatible + Partner API
Use Cases	Data lakes, generative AI, website hosting, general unstructured data	Backups, archives, MSP multi-tenant, hybrid cloud	Media, analytics, SaaS backups, partner integrations
Support Pricing	24/7 US-based support included at no cost. Always-available phone, email, and ticket support.	Basic: Business-hours email support. Premium (\$100/mo): 24/7 phone and prioritized response.	GIGA (Free): Email only (1-day response). TERA (\$250/mo): Faster response (4h) and SLA. PETA (\$500/mo): 24/7 Hotline/Slack, 2h response, SLA.
Customer Care	Dedicated Account Executive included for onboarding, escalation, and ongoing optimization.	Dedicated CSM not included in published support tiers. All customers use the general support queue.	TERA includes 2 named contacts, PETA includes 5 named contacts. CSM is provided for enterprise/committed-contract customers.

FAQs

What is the underlying hardware for HorizonIQ's storage services?

Block storage is offered on hybrid or flash-based NVMe arrays depending on the tier. Object storage is exclusively flash-based NVMe for maximum performance.

How is data encryption handled across HorizonIQ's storage offerings?

Data encryption is available on select storage tiers. For supported tiers, all data is encrypted in transit and at rest using advanced encryption standards to ensure privacy and compliance.

Can HorizonIQ storage integrate with my existing infrastructure?

Yes—our storage seamlessly connects to HorizonIQ Managed Private Cloud and Bare Metal environments and can support hybrid configurations.

How is performance managed under load?

Redundant data paths and built-in integrity checks ensure consistency, while NVMe arrays deliver stable high performance even at scale.

Can I monitor performance in real time?

Yes. Our Compass management portal provides real-time insights into storage health, including IOPS, latency, usage, and throughput.

Is it easy to scale or switch between tiers?

Absolutely. Both block and object storage are designed for flexible expansion, and customers can move between tiers or architectures as needs evolve.

What backup and disaster recovery options are available?

For block storage, backup can be configured within the same data center or to offsite environments in Chicago or Phoenix. HorizonIQ is currently working to enable object storage to be used for disaster recovery purposes.

Do your storage solutions support multi-tenant environments?

Yes. Both our block and object storage supports secure multi-tenancy, allowing different departments or users to share infrastructure with logical isolation.

Can I customize my storage environment to match specific workload needs?

Yes, we offer flexible configurations across both block and object storage. You can tailor performance tiers, capacity, and deployment architecture to align with your application requirements, and upgrade or migrate between tiers as your needs evolve.