

HyperDrive[®] Storage Manager

SoftIron's intuitive, unified
management tool for Ceph storage.



Slightly controversial. Quietly confident.

SoftIron® creates the world's best appliances for scale-out data center solutions, delivering industry-leading performance on all critical metrics including density, efficiency, capacity, speed and heat emission.

Choose SoftIron for:

Superior, task-specific appliances

- » We do not optimize commodity hardware or configure the cheapest components.
- » They're purpose-built to optimize their specific role in the data center.



High Performance

- » Specialization fosters performance breakthroughs.
- » Task-specific design reveals opportunities for improvement at a granular level.



Secure Provenance

- » SoftIron not only controls the entire design and build process, but manufactures and assembles all products in-house.
- » The result is auditable provenance on all of our data center appliance and SoftIron is the only manufacturer to offer it.



HyperDrive® Storage Manager

SoftIron's HyperDrive Storage Manager is the first of its kind: a powerful, unified and intuitive system designed to radically simplify the management of your Ceph software and storage hardware.

While Ceph is undoubtedly the leading open-source, software-defined storage software on the market, it has traditionally challenged organizations due to its' complexity. SoftIron built Storage Manager to address this, and to deliver a system through which hardware and Ceph configuration could also be managed.

The end result is a simple, feature-rich management tool that reduces the overhead of Ceph management. There have been no existing, out-of-the-box solutions to simplify the management of Ceph, until now.

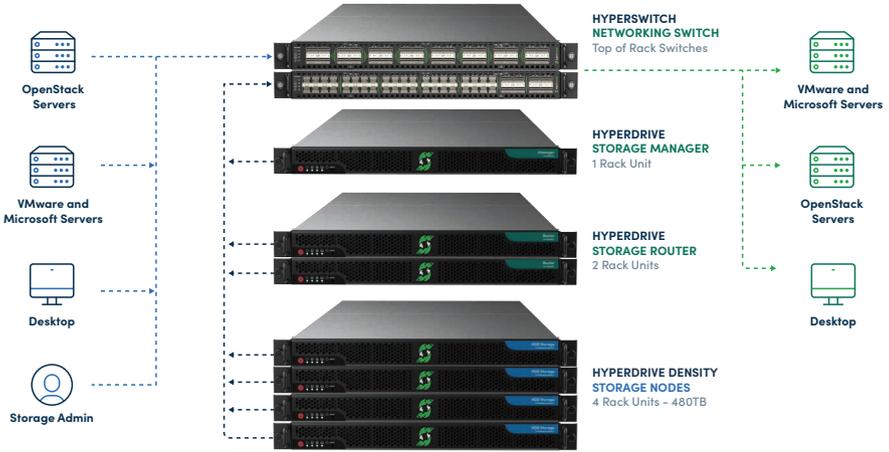
CREATE AND
MANAGE CEPH
CONFIGURATION
AND SHARES

CENTRALIZED
MANAGEMENT
OF CEPH AND
HYPERDRIVE

STORAGE HEALTH
AND UTILIZATION
VISIBILITY



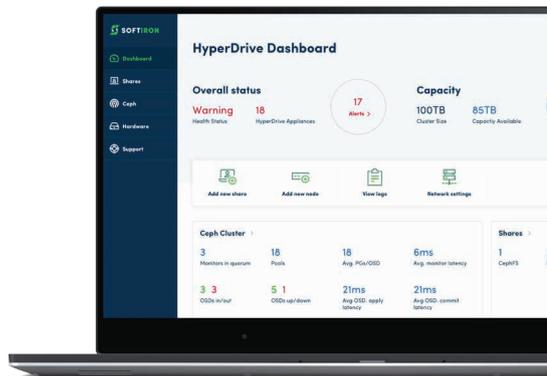
SoftIron Deployment Example



With SoftIron's Storage Manager you can easily and confidently:

- ✓ Simplify and centralize the management of HyperDrive and Ceph.
- ✓ Update, monitor, maintain and upgrade HyperDrive nodes.
- ✓ Manage file shares SMB (CIFS) and NFS, object stores (S3 and Swift), and block devices (iSCSI and RBD (RADOS block devices)).
- ✓ Remove the complexity of maintaining several hardware and software solutions.
- ✓ Gain visibility into Ceph storage health, current utilization and predicted storage growth.

All this is delivered via a sleek and intuitive online interface which is ideal for storage administrators or help desk personnel who are responsible for managing storage configuration or shares.



Purpose-built solutions for the hyperscale enterprise data center.

Storage Hardware

- » Task-specific, scale-out ready
- » Wire speed throughput performance front-side and back-side networking
- » Solid state disks for journal
- » Preconfigured and tuned for balanced read and write performance
- » Low wattage power design

Ceph

- » Compatible with clusters running Ceph
- » Interfaces for file, block, and object storage
- » Support for OpenStack, Kubernetes, VMware, and HyperV
- » Interfaces for file, block, and object storage

Storage Management

- » Configurable cluster-level resiliency
- » Health monitoring
- » Full hardware configuration and management
- » Workflow-based Ceph management

Networking

- » Wire speed on all ports at all times
- » Simplified, core networking functionality
- » Optimized for hyperscale data center performance (1GbE-100GbE)



Take HyperDrive[®] for a Test Drive

Try out a HyperDrive storage cluster in your environment for 90 days – no long term commitment necessary.

softiron.com/testdrive

Product Specifications

Model	HM11000
Model Type	Management Node
Networking	2x NICs (10GbE, 25GbE)
Data Resiliency	Provided via redundant NICs
Storage Protocols	Manages Ceph using Ceph Commands
Management	1x 1GbE, IPMI, HyperDrive Management Web Interface
Power Supply	Redundancy Power (Dual Supplies) 120–240V, 50–60Hz
Power Consumption	< 100W
Dimensions	H 43.7 mm / 1.72 in W 429 mm / 16.9 in L 637 mm / 25.1 in
Weight	9.5 kg / 21 lb