

iconik® and TrueNAS: Hybrid Cloud Asset Management

Content Organization
and Workflow Optimization

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iconik

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Take control of your media asset management with iconik® and TrueNAS. Fast, scalable, flexible, and always available, this collaborative solution allows users the ability to ingest, manage, and share media within a team of professionals to quickly find, view, and manage digital assets.

The iconik® Storage Gateway (ISG) allows you to use your on-premise storage with iconik in the cloud.

Sync your folder structures from your TrueNAS to the cloud, using fast parallel original file uploads, or using local transcoding to just upload proxies and keyframes.

iconik® Powers Your Workflow

iconik® streamlines asset management with local and cloud-based assets by being discoverable in a single interface. TrueNAS offers robust storage and native cloud sync capable of pairing with virtually any editing or broadcast environment on the most popular operating systems available; including Windows, macOS, and Linux.

Performance, Scalability, and Protection

TrueNAS leverages the OpenZFS file system, allowing share capacities to be scaled up to over 20 petabytes with performance up to 25 GB/s. With a unified system supporting file, block and object protocols, TrueNAS appliances fit into any environment. Built-in snapshots, available triple-parity protection, and bit-rot resistance provide the ultimate data protection for media workflows.

Protect Your Assets

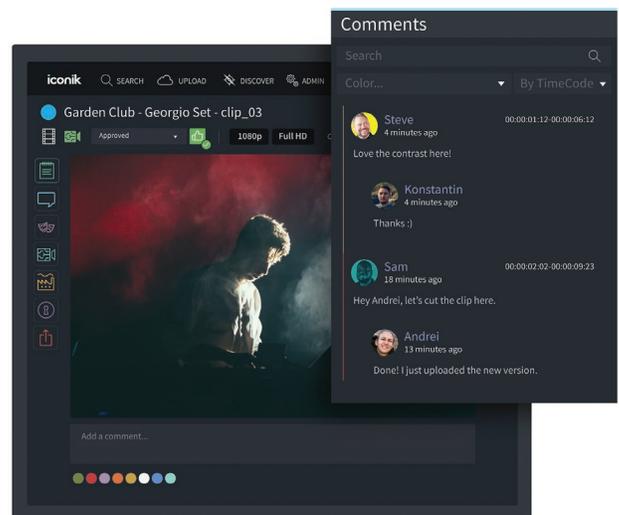
TrueNAS systems offer multi-layered protection to ensure images, videos, audio, and all other digital assets are protected. Copy-on-write and inline checksums prevent data corruption when transferring and writing files to disks.

Unlimited, instantaneous snapshots can also be set periodically to mitigate the effects of malware and user error. Replication is also native to the platform, with the ability to sync with other TrueNAS systems or major cloud providers.

Ready To Go

TrueNAS solutions with iconik® preinstalled are available directly from the factory.

Existing users of TrueNAS can also set up the iconik® service by [installing the iconik® Storage Gateway \(ISG\) in the Apps section.](#)



TrueNAS Systems



	TrueNAS Mini	TrueNAS R-Series	TrueNAS H-Series	TrueNAS F-Series	TrueNAS M-Series
Overview	Low Power, Quiet, Small Footprint	High-Density Performance, Value-Oriented	High Performance, NVMe	All-Flash NVMe	Large Capacity and High Availability
High Availability	N/A	N/A	Dual Controller HA	Dual Controller HA	Dual Controller HA
Use Case	Home, Small Business, Edge	Multi-Purpose	Large-Scale Business, NVMe	Demanding Workloads, High Performance	Maximum Capacity
Supported Media	Hybrid (HDD & Flash) Or All-Flash	Hybrid (HDD & Flash) Or All-Flash	Hybrid (HDD & Flash), All-NVMe Flash	All-Flash NVMe	Hybrid (HDD & Flash) Or All-Flash
Form Factor	Mini Tower or Rackmount	1U, 2U, and 4U Rackmount	2U	2U	4U - 52U Rackmount
Max Capacity Hybrid	Up to 264 TB	Up to 5 PB	Up to 5 PB	Up to 9 PB	Up to 30 PB
Max Capacity All-Flash	Varies	720 TB	720 TB	Up to 10 PB	4.7 PB
Max Throughput	1 GB/s	10 GB/s	8 GB/s	30 GB/s	23 GB/s

Services

- iconik® storage gateway
- **Built-in RAID:** Single/Dual/Triple Parity, Mirrors, Fast Resilvering, Fast Boot
- Unlimited instant snapshots/clones
- Remote replication
- Inline compression
- Thin & thick provisioning with quotas
- File: NFS, SMB, FTP, WebDAV
- Kerberos, LDAP, NIS
- Block: iSCSI, FC
- Object: S3-compatible
- Cloud sync to AWS, Azure, Google, Backblaze, iX-Storj, and more
- WebSocket API, SNMP, Syslog, Web interface
- Automatic in-service updates with pool snapshots & rollback
- Integrations: VMware, XenServer, Veeam, Asigra backup

