TrueNAS Plugins Converge Services for Simple Hybrid Cloud Enablement

iXsystems is taking simplified service delivery to a new level by enabling a curated set of third-party services to run directly on its TrueNAS arrays. TrueNAS already provided multi-protocol unified storage to include file, block and S3-compatible object storage. Now preconfigured plugins converge additional services onto TrueNAS for simple hybrid cloud enablement.

TrueNAS Technology Provides a Robust Foundation for Hybrid Cloud Functionality

[iXsystems](#) is known for enterprise-class storage software and rock-solid storage hardware. This foundation lets iXsystems customers run select third-party applications as plugins directly on the storage arrays—whether TrueNAS, FreeNAS Mini or FreeNAS Certified. Several of these plugins dramatically simplify the deployment of hybrid public and private clouds.

How it Works

iXsystems works with select technology partners to preconfigure their solutions to run on TrueNAS using FreeBSD jails, iocage plugins, and bhyve virtual machines. By collaborating with these technology partners, iXsystems enables rapid IT service delivery and drives down the total cost of technology infrastructure. The flexibility to extend TrueNAS functionality via these plugins transforms the appliances into complete solutions that streamline common workflows.

Benefits of Curated Third-party Service Plugins

There are many advantages to this pre-integrated plugin approach:

- Plugins are preconfigured for optimal operation on TrueNAS
- Services can be added any time through the web interface
- Simply turn it on, download the plugin and enter the associated login credentials
- Plugins eliminate network latency by moving processing to the storage array
- Third party applications can be run in a virtual machine without purchasing separate server hardware

Hybrid Cloud Data Protection

The integrated [Asigra](#) Cloud Backup software protects cloud, physical, and virtual environments. It is an enterprise-class backup solution that uniquely helps prevent malware from compromising backups. Asigra embeds cybersecurity software in its Cloud Backup software. It goes the extra mile to protect backup repositories, ensuring businesses can recover from malware attacks in their production environments.

Asigra is also one of the only enterprise backup solutions that offers agentless backup support across all types of environments: cloud, physical, and virtual. This flexibility makes adopting and deploying Asigra Cloud Backup easy with zero disruption to clients and servers. The integration of Asigra with TrueNAS is [Storage Magazine's Backup Product of the year for 2018](#).

Hybrid Cloud Media Management

TrueNAS arrays from iXsystems are heavily used in the media and entertainment industry, including several major film and television studios. iXsystems storage accelerates workflows with any device file sharing, multi-tier caching technology,

and the latest interconnect technologies on the marketplace.
 iXsystems recently announced a partnership with [Cantemo](#) to
integrate its iconik software.

iconik is a hybrid cloud-based video and content management
hub. Its main purpose is managing processes including
ingestion, annotation, cataloging, collaboration, storage,
retrieval, and distribution of digital assets. The main
strength of the product is the support for managing metadata
and transcoding of audio, video, and image files, but can
store essentially all file formats. Users can choose to keep
large original files on-premise yet still view and access the
entire library in the cloud using proxy versions where
required.

The Cantemo solutions are used to manage media across the
entire asset lifecycle, from ingest to archive. iconik is used
across a variety of industries including Fortune 500 IT
companies, advertising agencies, broadcasters, houses of
worship, and media production houses. Cantemo's clients
include BBC Worldwide, Nike, Madison Square Garden, The Daily
Telegraph, The Guardian and many other leading media
companies.

Enabling iconik on TrueNAS streamlines multimedia workflows
and increases productivity for iXsystems customers who choose
to enable the Cantemo service.

Cloud Sync

Both Asigra and Cantemo include hybrid cloud data management
capabilities within their feature sets. iXsystems also
supports file synchronization with many business-oriented and
personal public cloud storage services. These enable staff to
be productive anywhere—whether working with files locally or
in the cloud.

Supported public cloud providers include Amazon Cloud Drive,
Amazon S3, Backblaze B2, Box, Dropbox, Google Cloud Storage,

Google Drive, Hubic, Mega, Microsoft Azure Blob Storage, Microsoft OneDrive, pCloud and Yandex. The Cloud Sync tool also supports file sync via SFTP and WebDAV.

More Technology Partnerships Planned

According to iXsystems, they will extend TrueNAS pre-integration to more technology partners where such partnerships provide win-win benefits for all involved. This intelligent strategy allows iXsystems to focus on enhancing core TrueNAS storage services, and it enables TrueNAS customers to quickly and confidently implement best-of-breed applications directly on their TrueNAS arrays.

All TrueNAS Owners Benefit

TrueNAS plugins provide a simple and flexible way for all iXsystems customers to add sophisticated hybrid-cloud media management and data protection services to their IT environments. Existing TrueNAS customers can gain the benefits of this plugin capability by updating to the most recent version of the TrueNAS software.