HYCU TrueNAS

Solution Brief

Total Resilience for **the Hybrid Estate**

Ransomware resilience and Backup – Protect every workload and recover in minutes, from AI Agents to Cyber Threats and everything in between.

Four forces are simultaneously reshaping the hybrid estate. Ransomware has moved from IT risk to boardroom liability. Elevated pricing for hypervisor renewals are forcing platform decisions across the industry. AI projects are creating new data classes that need protecting. NIS2, DORA and the UK Cyber Security and Resilience Bill are turning resilience from best practice into legal obligation. Most protection strategies were built for none of it.

HYCU and TrueNAS are built for exactly this.

HYCU is the market leader for Nutanix data protection. **TrueNAS** is trusted by the majority of the Fortune 500. Together they bring complete protection and fast, efficient, scalable storage to the entire estate – built around the platforms enterprises run.

0	4 min	50%	1-click
agents to deploy	to first backup	lower total cost	backup, migrate, recover




Four big outcomes from one open solution

1 Complete hybrid coverage without complexity

- **HYCU:** Native protection across your hybrid estate. Virtualised workloads, file services, object storage, databases and more, on-premises and in the cloud.
- **TrueNAS Enterprise:** Unified file, block and object on a single appliance. Scales to 40+ petabytes with no per-terabyte licence fees.
- **Ultimate simplicity:** Zero agents, zero proxies, zero architecture redesign. Just protection that works.
- **Together:** Every workload that runs the business, and every byte of data it produces.

2 Protect every layer of the estate

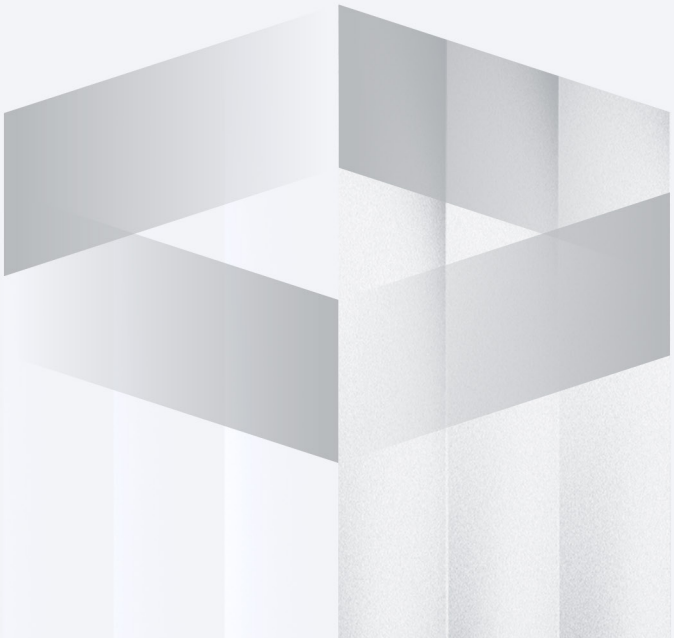
- **Hypervisors** running your virtual infrastructure.
- **File shares** holding documents, media and shared work.
- **Databases** powering your critical business applications.
- **Applications** providing the interface into your organisations data estate
- **Object stores** carrying production data at scale, including the data that feeds AI.

3 Recover anything in clicks. Storage that heals itself.

- **Patented auto-discovery** finds apps and databases automatically.
- **Consistent backups** of SQL Server, Oracle, Exchange, SAP HANA and PostgreSQL.
- **Granular recovery** to the file, VM, table or object.
- **OpenZFS integrity** with corruption detection and self-healing repair on every read.

4 Built to outlast cyber threats

- **Immutable backups** with WORM and Object Lock.
- **Anomaly detection, MFA, RBAC** on the data plane.
- **Malware scanning and threat hunting** find indicators of compromise inside backups before recovery.
- **Certified:** ISO 27001, SOC 2, DISA STIG, FIPS 140-2, NIAP Common Criteria. Aligned to NIS2 and DORA.
- **Fully Verified Backups** confirm recoverability before you need it.



What the solution protects | Where it lives | Why it works

Every layer of the estate is business-critical. Most of it now feeds AI.

Hypervisors run the virtual infrastructure containing the daily operations and the workloads your teams depend on. File and object stores hold the documents, media and unstructured data driving the business, with AI projects increasingly drawing on the same sources. Databases hold the structured records the rest depends on. HYCU and TrueNAS protect and store all of it on one open foundation.

Layer	Why it matters	Coverage
Hypervisors	Where your production workloads run.	• Nutanix AHV and ESXi • VMware vSphere • Microsoft Hyper-V • Azure Local • XenServer
File shares	Documents, media and shared business data. Repositories forthe unstructured data your AI projects train on or analyze.	• Nutanix Files • NetApp ONTAP • Azure Files • Generic SMB and NFS file servers
Object stores	Petabyte-scale production data powering modern applications and AI use cases.	• Immutability and Object Lock. Full S3 API support. • Granular recovery • App-level recovery • Buckets and namespaces your business runs on
Databases and apps	The systems of record your applications run against.	• Microsoft SQL Server • Oracle, SAP HANA, PostgreSQL • Microsoft Exchange • Active Directory • Nutanix Database Service • Nutanix Volume Groups
Physical servers	Specialised, regulated or performance-sensitive workloads that have not virtualised.	• Windows Server • Red Hat Enterprise Linux, Oracle Linux, CentOS • Recover SQL, Oracle, Exchange, AD, PostgreSQL directly from bare metal

Storage built for the new data stack

Unified protocols	File, block and object on one platform, one interface.
Tiered performance	NVMe flash, HDD and hybrid options matched to each workload.
Linear scale	20TB to 40PB and beyond. No overprovisioning. No licence surprises.
Integrity and resilience	Immutable storage / WORM retention, self-healing repair, ransomware-proof snapshots, encryption.
Data sovereignty	Your data, on storage you own, in the location you choose. Complete Data Control.

Why HYCU and TrueNAS is the obvious choice

- **Every layer covered**
  Hypervisors, files, objects, databases, physical. One foundation.
- **Defence in depth**
  HYCU threat hunting and immutability layered on TrueNAS ransomware-proof storage
- **Up to 50% lower total cost than legacy stacks**
  HYCU runs with no media servers, no proxies, and no agents. TrueNAS Enterprise delivers turn-key storage appliances with high-performance and high-availability options – versatile storage that delivers value.
- **Originally built for Nutanix. Now ready for everything**
  Market-leading protection proven with Nutanix, modern storage performance, one open foundation.

Engineered to grow

The HYCU and TrueNAS solution scales with your organization. Each Workload. Every Capacity.

Read more aboutTrueNAS →

See HYCU and TrueNAS in your environment.

Get Started with HYCU