

# Built-In Cyber Resilience for Nutanix Workloads

## About HYCU

HYCU is the leading data protection solution for Nutanix—trusted by customers and backed by the highest Net Promoter Score (NPS) in the industry. With agentless, purpose-built protection for your entire Nutanix estate, HYCU delivers resilience at the lowest total cost of ownership (TCO) in the market.



## Challenges with Protecting your Nutanix Estate



### Attackers are moving faster—with help from AI

GenAI is making social engineering and ransomware attacks more effective. Backup infrastructure—once the last line of defense—is now a top target.



### Most backup solutions weren't built for Nutanix

They're often retrofitted from legacy systems, introducing complexity and expanding your attack surface instead of reducing it.



### Threat detection comes with tradeoffs

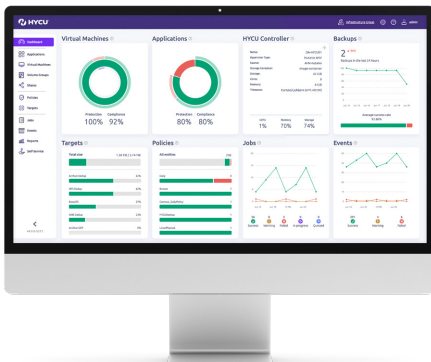
To scan backups for threats, many teams must give up control of their data, lose flexibility in storage targets—or accept visibility gaps that leave them exposed.



### Cloud and SaaS threats pull on-premises focus

Securing workloads across SaaS and public cloud often requires separate tools and workflows, pulling time and attention away from protecting Nutanix itself.

## 5 Reasons You Can Count on HYCU To Protect Your Nutanix Estate, And More



1

### Recover from ransomware faster

Leverage Nutanix isolated snapshots for the fastest possible recovery using HYCU's unique agentless, zero architecture approach.

2

### Protect your entire Nutanix estate, not just AHV

Secure Nutanix Files, Databases, Cloud Clusters, Volume Groups, and more—from a single purpose-built platform.

3

### Detect threats without losing data control

Continuously scan for threats directly at the source—without moving or exposing your data.

4

### Minimize your attack surface and stay off attacker's radar

Protect your workloads with a hardened appliance making backups invisible to threat actors.

5

### Secure SaaS and Cloud with Nutanix

Secure cloud and SaaS workloads using Nutanix Objects for offsite, immutable copies—ready when you need them.

# HYCU R-Shield™: Built-In Cyber Resilience Fabric for Nutanix Environments



## Always Protected

- **Bulletproof Backups.** HYCU secures your backups with a hardened Linux appliance trusted by federal agencies. With military-grade architecture and certifications like DISA STIG, Common Criteria, vTPM, and FIPS 140-3, your data stays isolated, protected, and ready—no matter how sophisticated the attack.
- **Backup Data Cloaking.** HYCU eliminates backup complexity—and risk—with an agentless design that uses native APIs and skips agents entirely. By isolating backup traffic in a secure, independent network, HYCU shrinks your attack surface and keeps operations smooth, secure, and invisible to anyone but the admin. This is continuously monitored to ensure backup data remains cloaked.
- **Immutability & Indelibility.** Write cloud-deduped Nutanix backups to WORM-enabled storage to prevent alterations or deletions.
- **SaaS & Cloud Backups on NUS.** Safeguard SaaS workloads on NUS, along with VMs, files, and databases, through a dedicated and isolated backup infrastructure that operates directly on the NUS cluster.



## Always Observing

- **Active malware detection.** HYCU scans real data—not just metadata—right at the source, before it ever leaves your environment. With continuous checks, zero vendor data access, and support for any backup target, you get faster detection, tighter control, and a dramatically reduced blast radius.
- **Dynamic Change-Rate Anomaly Detection.** Continuously monitor data change rates and receive real-time alerting of anomalous behaviours and indicators of compromise to SIEM/SOAR systems.
- **Continuous Compliance & SLA Assurance.** Rest assured your data is recoverable within the SLAs required by the organization.
- **Isolated Investigation (Clean Room):** Restore and forensically analyze backups in a safe environment, without impacting production or backups.



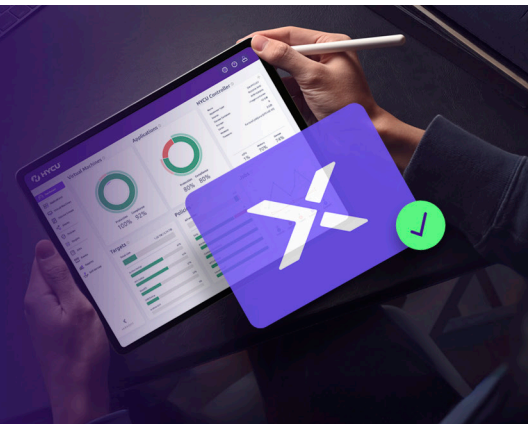
## Always Ready

- **Continuous validation.** Policy-driven, automated approach to ensure backup data is recoverable and production ready.
- **Fastest ransomware recovery for Nutanix.** HYCU's secure platform level integration helps to leverage native immutable snapshots for near instant recovery.
- **Flexible Recovery Options.** Restore entire environments or singular files or databases with ease.
- **Recovery Automation & Choice.** HYCU automates recovery —no agents, no bottlenecks. With application-centric workflows, runbook-defined recovery, and orchestration via API or IaC, you can restore what matters most, first.



Learn more about  
protecting Nutanix  
with HYCU

Try HYCU for Free



# Boost Your Nutanix Cyber Resilience with HYCU

Stay Protected. Stay Observant. Stay Ready.

HYCU R-Cloud™ Hybrid-Cloud Edition Capabilities	Core Resilience	Enterprise Resilience
<b>Backup &amp; Recovery</b> Policy-driven, native application-centric protection for Nutanix AHV and/or ESXi	✓	✓
<b>Granular File-Level Recovery</b> Rapid, file-level restores	✓	✓
<b>RTO Assurance</b> Recovery Time Objective (RTO) reporting on applications and workloads	✓	✓
<b>Nutanix Unified Storage (NUS) Integration</b> Store backups and archives in Nutanix Object Storage	✓	✓
<b>Logging, Tracking and Reporting</b> 24/7 Logging of all tasks, events with Role-Based Access Control	✓	✓
<b>Anomaly Detection</b> Real-time alerting of anomalous behaviours and indicators of compromise	✓	✓
<b>Active Malware Detection</b> Rule-based scanning and detection of real data at the source	—	✓
<b>Support for Nutanix Files</b> Protect Files from insider threats, corruptions, and attacks	—	✓
<b>Support for Nutanix Database Service (NDB)</b> Protect NDB from insider threats, corruptions, and attacks	—	✓
<b>Disaster Recovery to the Cloud</b> Spin up and spin down to/from the cloud for low-cost disaster recovery	—	✓
<b>Cross-Hypervisor &amp; Cloud Migration</b> Move workloads across alternate hypervisors or to and across cloud platforms	—	✓



Learn more about  
protecting Nutanix  
with HYCU

Try HYCU for Free

