

When the backups are gone, this one is not.

Air-gapped isolation with **WORM immutability** and **AI-driven validation** for guaranteed data restoration — powered by United Private Cloud's intelligent layer.

- Immutable
- Isolated
- Validated
- Recoverable

IMMUTABLE. ISOLATED. RANSOMWARE RESILIENT.

Immutable
Tamper-proof, WORM-enabled backups on scalable object storage. Protected from deletion, encryption, or unauthorized modification.

Isolated
Logically segmented recovery domain with hybrid cloud integration and automated DR orchestration to prevent lateral threat propagation.

Ransomware-resilient
Malware validation and multi-VM instant recovery to minimize RTO and ensure clean, verified data restoration.

AI-DRIVEN RESILIENCE

AI-driven validation
AI automatically tests every backup, ensuring restorability and catching corruption before disaster strikes.

AI threat scanning
AI continuously scans for malicious code, zero-day threats, and suspicious patterns before they cause harm.

AI ransomware detection
AI detects ransomware in real time by spotting encryption patterns, blocking attacks before data is locked.

BUILT ON 3-2-1-1-0

3
copies
Production, local backup, vault

2
media types
All-flash plus WORM object

1
offsite
Physically separate facility

1
immutable
WORM and air-gapped

0
errors
Verified clean restore

VERSUS A TRADITIONAL BACKUP

DIMENSION	TRADITIONAL BACKUP	UPC CYBER VAULT
Immutability	Policy-based — can be switched off	Storage-layer WORM
Network	Reachable from production	Air-gapped, transfer windows only
Identity	Production directory credentials	Dedicated vault credentials and RBAC
Admin reach	Admins can delete backups	Admin-proof with approved unlock
Restore confidence	Assumed until tested for real	AI-validated and malware-scanned

Ready to test your last clean copy?
Book a Cyber vault architecture review, or run a ransomware recovery simulation.

UPC Cyber vault
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Capability descriptions reflect UnitedLayer published materials for UPC Cyber vault together with general industry practice in immutable and air-gapped backup architecture; retention behaviour, isolation model, and regulatory alignment vary by configuration. UnitedLayer®, United Private Cloud®, and UNITYONE AI™ are marks of UnitedLayer.

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