Zerto Cyber Resilience Vault

Ransomware threats and cyberattacks continue to grow in frequency, severity, and sophistication. A recent study by IDC found the majority of disaster recovery (DR) incidents in the previous 12 months were triggered by ransomware and malware. Enterprises need a strong, proactive strategy to not only prevent and stop attacks, but also recover after an attack has taken place.

What's more, cyber insurance companies are demanding that companies have better security, including data vaults. In the US, the SEC is proposing even stricter requirements for public corporations, including identifying parties responsible for cyber resilience strategy. The need for a comprehensive, rigorous approach has never been greater.

Traditional vaults leave you at risk

The common methods for addressing cyber resilience rely on risky vault technologies and architectures, which have multiple drawbacks. Chief among these is the speed of recovery, or recovery time objective (RTO). Pulling from tape or rehydrating from lower tier storage can extend recovery by days or weeks. Scanning for clean copies prolongs the process even further, as does recovery onto anything other than production-grade arrays. In a ransomware scenario, it's imperative to quickly resume business operations, which legacy backup and archive solutions are not designed to do.

Rapid recovery with Zerto

Zerto, a Hewlett Packard Enterprise company, enables enterprises to architect and customize an ironclad recovery vault designed to mitigate even the most devastating ransomware attacks.

The Zerto Cyber Resilience Vault is based on HPE Alletra, HPE ProLiant, HPE Aruba Networking, and Zerto. The solution has three core pillars that use a decentralized Zero Trust architecture to achieve rapid air-gapped recovery.

1 Replicate and detect

Streaming, near-synchronous data replication protects every production write in real time and immediately detects and alerts on any suspicious anomalies. Continuous data protection (CDP) in Zerto is agentless, so there is nothing inside a protected VM that can be disabled or hijacked by malware.

2 Isolate and lock

The vault itself also includes HPE ProLiant and HPE Alletra storage. This separated vault is physically air-gapped with no access to the internet or production network. It stores immutable data copies on secure, high-performance, FIPS-validated hardware.

3 Test and recover

Easily identify clean restore points, then quickly recover entire multi-VM apps onto high performance storage—all while maintaining cross-VM consistency, even with thousands of VMs. Zerto features a unique, battle-tested journal that unlocks RTOs of minutes or hours, not days or weeks.

The Zerto advantage

Full physical air gap
Complete protection with an isolated, disconnected vault with no access points

Zero Trust architecture
Security-hardened and expressly designed to protect and recover from the worst cyber threats

Real-time encryption detection
Detects in seconds for the earliest warning alarm of an attack's encryption phase

Rapid recovery
Orchestration & automation from Zerto combined with high-performance hardware from HPE deliver fast RTOs to mitigate ransomware

Key benefits

Drastically reduce downtime and data loss: Zerto's flexible architecture paired with its dynamic journal, enables rapid recovery from ransomware and helps minimize any direct or indirect loss of revenue after an attack.

Meet compliance needs: The Zerto Cyber Resilience Vault aids in compliance with some of the most common regulations, including HIPAA, GDPR, SOX, FISMA/NIST SP 800-34, and more.

Gain simplicity at scale: Lower complexity with one vendor delivering a single solution comprised of best-of-breed products for every step in the recovery chain.

Get security by design: The Zerto Cyber Resilience Vault combines security and performance to provide robust security features, including a 100% availability guarantee on the landing zone storage, Silicon root of trust from HPE for all hardware and the isolated vault zone/clean room that is fully air-gapped and has no access to the internet or production network.

Contact us to see a demo, get bundle pricing, and hear what ransomware resilience can mean for your business.

Learn more at
Zerto Cyber Resilience Vault

Explore **HPE GreenLake**

Chat now (sales)

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