

RACE AGAINST RANSOMWARE

Rethink your ransomware defense with advanced data protection
and recovery solutions from HPE



Pay, panic, or prepare: Navigating the new reality of ransomware

Picture this: You're steering a multibillion-dollar high-tech manufacturing company. The factory floors are buzzing, the supply chains are humming, and the quarterly results are exactly where you want them to be. Everything is smooth, predictable, and under control — until it's not.

A ransomware attack strikes. Suddenly, the very systems that were fueling your success are locked down, held hostage by faceless cybercriminals demanding payment. Every decision you make from this moment forward isn't just about fixing the problem; it's about determining whether your business survives or collapses.

The financial and operational fallout from ransomware can be devastating. Sophos reports that in 2025, the average cost of recovery reached \$1.5 million, a staggering sum that can overwhelm even the most prepared organizations.¹ For 46% of organizations, recovery dragged on for more than two weeks, amplifying the strain.² Worse yet, paying the ransom offers no guarantees, turning an already dire situation into an even more unpredictable one.

But ransomware isn't just about draining budgets. It's about disruption — crippling organizations with operational chaos that ripples across every corner of the business. In moments like these, resilience isn't a luxury. It's survival.

Flip the script on ransomware attacks with HPE

Defend smarter, recover faster, and thrive even in the face of escalating cyber threats with comprehensive data protection and recovery solutions from Hewlett Packard Enterprise. Our solutions are designed to protect your data at every stage of its journey — from creation at the edge to long-term retention in the cloud. Designed with ransomware resilience in mind, HPE solutions cover prevention, detection, recovery, and storage, enabling your business to stay secure and prepared. Whether you choose to self-manage or leverage HPE-managed services, you'll gain access to cutting-edge technologies that safeguard your business, mitigate downtime, and enable rapid recovery.

The blueprint for cyber resilience

Start where data is created

Data protection begins at the edge, where critical data is created and first stored. With features such as early anomaly detection, HPE data protection and recovery solutions can stop ransomware threats in their tracks. **HPE Alletra Storage MP B10000** provides robust block- and file-structured storage, pairing multi-factor authentication (MFA), encryption, anomaly detection, immutable snapshots, and replication to create an impenetrable shield for your data. Meanwhile, **HPE Private Cloud Business Edition** extends these safeguards into hyperconverged private cloud environments, offering the same advanced capabilities

^{1,2} [The state of ransomware 2025](#), Sophos, June 2025



to protect your sensitive data from edge to private cloud. If you're aiming to build a hybrid cloud strategy that's both secure and agile, this solution gives you the foundation to protect your data while staying nimble in a fast-changing environment.

Achieve low RPO/RTO for critical applications

When ransomware strikes, every second counts. **HPE Zerto Software** helps protect your business-critical applications with near-zero recovery point objectives (RPOs) and recovery time objectives (RTOs). Built for virtualized environments, HPE Zerto Software uses continuous data protection to keep your workloads operational, even in the face of ransomware. With features such as real-time encryption detection, automatic failover, and non-disruptive testing, you can trust your disaster recovery processes are ready to spring into action when needed. Whether you're modernizing infrastructure or navigating multi-cloud complexities, HPE Zerto Software can simplify protection, recovery, and mobility across private, public, and hybrid clouds — so you can run your business uninterrupted.

Securely backup, vault, and recover at speed

Backup and recovery have evolved from simple processes into layered defenses against the growing ransomware threat. HPE solutions are designed not only to safeguard your data but to help you recover faster and stronger.

HPE Cyber Resilience Vault, with its isolated and air-gapped design, can help keep your most sensitive data untouched by ransomware threats, using immutable snapshots and anomaly detection to provide airtight protection. For high-speed backup and recovery, **HPE StoreOnce Systems** combines encryption, MFA, and rapid restores to help maintain efficiency and security at scale. From backing up vast amounts of data to restoring it after an incident, HPE StoreOnce Systems delivers fast and reliable results every time.

HPE Alletra Storage MP X10000 isn't just storage; it's a reimagined approach to unstructured data management. With its groundbreaking data protection accelerator nodes powered by HPE StoreOnce Catalyst, this solution sets a new standard for enterprise backup storage speed, achieving industry-leading sustained backup performance.³ Featuring advanced capabilities such as inline deduplication, compression, encryption, and modular scalability, HPE Alletra Storage MP X10000 enables you to manage massive data volumes with unmatched efficiency, improved RPO/RTO metrics, and ironclad security.

Our collaborations with **Cohesity**, **Commvault**, and **Veeam** can further elevate your resilience strategy with features such as quorum-based approvals, micro-segmentation, and proactive validation that keep your backups secure and ready to respond to any threat.

³Performance results are based on internal HPE testing of a four-node data protection accelerator configuration with a three-node, 1-JBOF HPE Alletra Storage MP X10000 cluster. Actual performance may vary based on workload, deduplication ratio, and deployment environment. The competitive data was sourced from publicly available documentation and benchmarks as of July 2025 and is inclusive of purpose-built data protection appliances.

Economically retain data on-premises or in the cloud

Long-term data retention isn't just about storage; it's about resilience. You need secure access to historical data without breaking your budget, and HPE delivers solutions that strike the perfect balance. **HPE Cloud Bank Storage** offers a cost-effective way to archive vital data in the cloud, combining affordability with robust security features such as MFA, encryption, and immutability. For those who prefer offline data storage, **HPE Storage Tape** provides air-gapped backups and immutable archives that protect against ransomware threats while remaining one of the most cost-effective options on the market.

Proven expertise for a ransomware-resilient future

Data protection and recovery solutions from HPE are designed to tackle threats head-on, leveraging decades of expertise in data protection, storage, and recovery. With flexible consumption models — including purchase, as-a-service, self-managed, or fully managed options — you have the freedom to tailor your resilience strategy to your organization's unique needs.

From securing critical applications to preparing for tomorrow's challenges, HPE offers the support and technology your business needs to thrive in today's high-stakes digital world. Leveraging tools for anomaly detection, fast recovery, and long-term data retention, HPE provides comprehensive coverage for modern resilience.

Turning ransomware threats into manageable disruptions

Ransomware doesn't just threaten your data — it challenges the very foundation of your business. With HPE's comprehensive data protection and recovery solutions, you're not only defending against threats but also building resilience that supports long-term stability. The race against ransomware isn't just about surviving; it's about staying prepared and moving forward with confidence.

Learn more at

[HPE.com/data-protection](https://www.hpe.com/data-protection)

Visit [HPE.com](https://www.hpe.com)

[Chat now](#)

© Copyright 2025 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

a00150720ENW

HEWLETT PACKARD ENTERPRISE

[hpe.com](https://www.hpe.com)

