Hitachi Vantara

Solution Profile

Hitachi Vantara's 7-Layer Defense Strategy: Recover

Access to Forensics and **Recover** in Minutes

Digital business transformation, generative AI, and emerging cyber threats are creating unprecedented security risks. Protecting data from tampering, deletion, loss, and theft isn't easy. Business continuity and resiliency rely on the rapid recovery of data, which can also be challenging.

IT needs to balance protecting and recovering data in a timely and budget-friendly manner with the need to run the business. Losses can and do add up to millions of dollars. That's why hundreds of the world's most vulnerable enterprises turn to Hitachi Vantara and our ecosystem of partners for support.

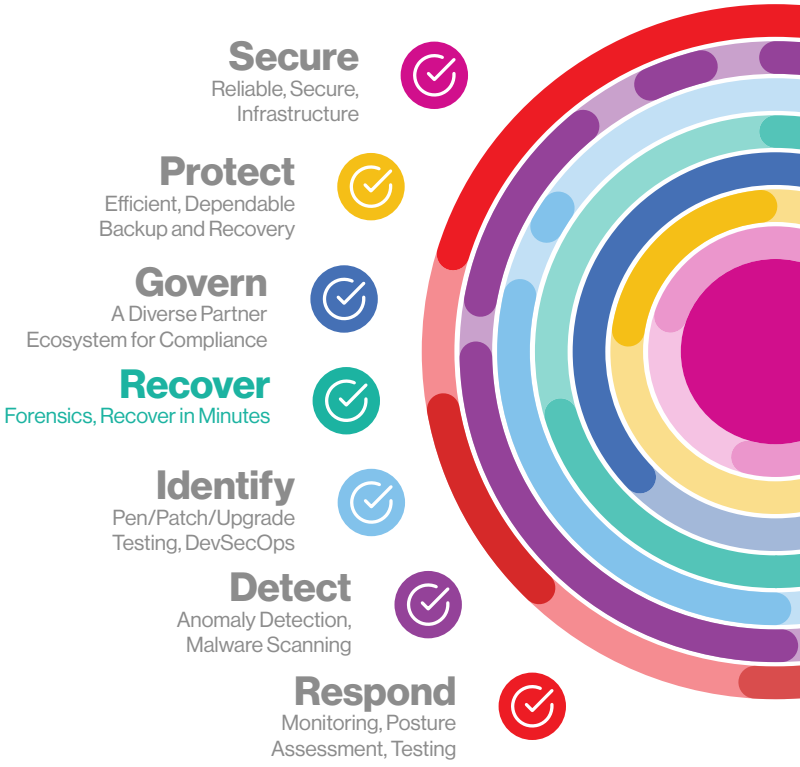
Hitachi helps organizations of all sizes and industries confidently address the threats from today's cyber criminals by offering a proactive defense strategy that expands on the National Institute of Standards and Technology (NIST) Cybersecurity Framework.

The NIST Cybersecurity Framework is a set of industry standards and best practices designed to help organizations manage cybersecurity risks and provides a flexible and cost-effective approach to enhancing cybersecurity infrastructure and risk management processes.

Hitachi Vantara's 7-layer defense-in-depth integration with the NIST Cybersecurity Framework spans hardware, software and services. It delivers immutable safeguards, operational resilience, and compliance without overwhelming complexity. This unique approach helps our customers address rampant data growth and sprawl, cyber threats, downtime costs and regulatory oversight.

Rapid Recovery is Key to Mitigating Losses

Whether an intrusion or other breach, the total cost of an event is often more than the ransom—it also includes the recovery of impacted systems and the losses incurred by downtime. A report by Sophos[1] found that in 93% of ransomware incidents, threat actors actively targeted backup repositories. Seventy-five percent of victims lost some of their backups, and 39% of backup repositories were completely lost.



Downtime is Detrimental and Expensive

System failures, user errors, and malicious attacks are unpredictable and unavoidable. According to Pingdom[2], the cost of downtime for these industries can amount to the cost of downtime for these industries can amount to:

- Media at **$90,000** per hour
- Health care at **$636,000** per hour
- IT at **$450,000** per hour
- Retail at **$1.1 million** per hour
- Telecommunications at **$2 million** per hour
- The energy industry at **$2.48 million** per hour
- Auto at **$3 million** per hour
- Brokerage service industry at **$6.48 million** per hour

Resiliency Lessens the Impact on Business Operations.

While most IT organizations have some data protection, cyber readiness is a different animal. As cyberattacks become more frequent and advanced, the path to operational resiliency becomes increasingly important.

The recover functionality of Hitachi's 7-layer defense-in-depth strategy identifies appropriate activities to maintain resilience plans and restore any capabilities or services that were impaired due to a cybersecurity incident. The recovery process ensures the timely restoration of systems or assets affected by cybersecurity events, with efforts focused on reducing effect and making the necessary improvements to policies and procedures.

Quickly adapting and restoring critical functions is vital for minimizing downtime and business disruption. Recovery planning also includes IT restoration and managing public relations and customer communications to maintain trust and confidence.

Hitachi Vantara—100% Data Availability, Guaranteed

Hitachi has decades of experience ensuring reliable, secure storage that incorporates immutability, encryption, retention, and versioning to prevent tampering, deletion, loss, theft or data exposure. We provide the tools to aid with forensics to find the right recovery point and the fastest recovery of virtual machine and bare metal environments to get operational again. We also enable rapid recovery at scale of file system environments.

As a result, you gain the peace of mind that comes with:

- The only 100% data availability guarantee in the market and the impregnable fortress that protects data integrity.
- Data that is safely stored in an isolated, encrypted, versioned, and secure storage environment designed for scale and speedy recovery.
- The robust protection of data where it lives reduces the cost of traditional data protection and the risk of data loss.
- Ensuring continuous operations for mission-critical applications with nonstop, uninterrupted data access to achieve strict zero RTO and RPO objectives.

The Hitachi Advantage: VSP One, HCP, and HCP Anywhere Enterprise

Hitachi Vantara solutions deliver reliable, scalable and secure storage solutions so organizations can manage their data effectively.

The Hitachi Virtual Storage Platform One (VSP One) is built with resiliency in mind. It provides 100% data availability, modern storage assurance and adequate capacity. The Hitachi Content Platform (HCP) allows IT organizations and cloud service providers to securely and cost-effectively store, share, protect, preserve and analyze data.

Adding VSP One and/or HCP will make your environment more scalable, affordable, faster, easier to manage and reliable. It has built-in features for data durability, automated retention, massive scalability, immutability, versioning, performance and more.

HCP Anywhere Enterprise is an enterprise-level file synchronization and sharing platform that brings edge offices and remote workers under the same robust protection and rapid recovery at scale that you can deliver in your data centers.

Click here to learn how we can help you build an unbreakable data infrastructure powered by Hitachi Vantara's technology.

Learn more →

[1] The Impact of Compromised Backups on Ransomware Outcomes
[2] Average Cost of Downtime per Industry

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