Overcome Risks of Ransomware With Hitachi Content Platform Portfolio

Object Storage: Your Unlikely Ally in the Fight Against Ransomware

SOLUTION PROFILE

Nearly 40% of all businesses have experienced a ransomware attack in the past year[1]. In the United States alone more than 4,000 attacks are taking place on a daily basis[2]. And, globally, ransomware attacks have increased 6,000% when compared to last year, with 70% of business victims paying to get their data back, and 50% of those paying more than $10,000[3,4]. A form of malware, ransomware is designed to block access to a system or file, holding it "ransom," until a demand (usually money) has been met. And those demands are getting costly. Cybersecurity Ventures predicts cybercrime will cost the world in excess of $6 trillion annually in 2021, up from $3 trillion in 2015. Ransomware is expected to worsen and make up a proportionately larger share of total cybercrime in 2021[5]. With these attacks expected to grow both in frequency and in their level of complexity, ransomware is a problem organizations cannot afford to ignore.

[1] http://www.computerweekly.com/news/450301845/One-in-five-businesses-hit-by-ransomware-are-forced-to-close-study-shows
[2] https://www.justice.gov/criminal-ccips/file/872771/download
[3] http://finance.yahoo.com/news/ransomware-spiked-6-000-2016-110000366.html
[4] All monetary figures in this solution profile are reported in US dollars unless otherwise specified.
[5] https://cybersecurityventures.com/ransomware-damage-report-2017-5-billion/

Sophisticated Ransomware Attacks and Complex IT Environments Leave More Data at Risk

Organizations and their data are under constant threat. Increasingly complex IT landscapes combined with a growing and evolving list of security risks have made the job of protecting data a challenging one. And now, the re-emergence of an old threat has quickly escalated into a problem that organizations of all sizes must contend with. An effective ransomware strategy is required (see Figure 1).

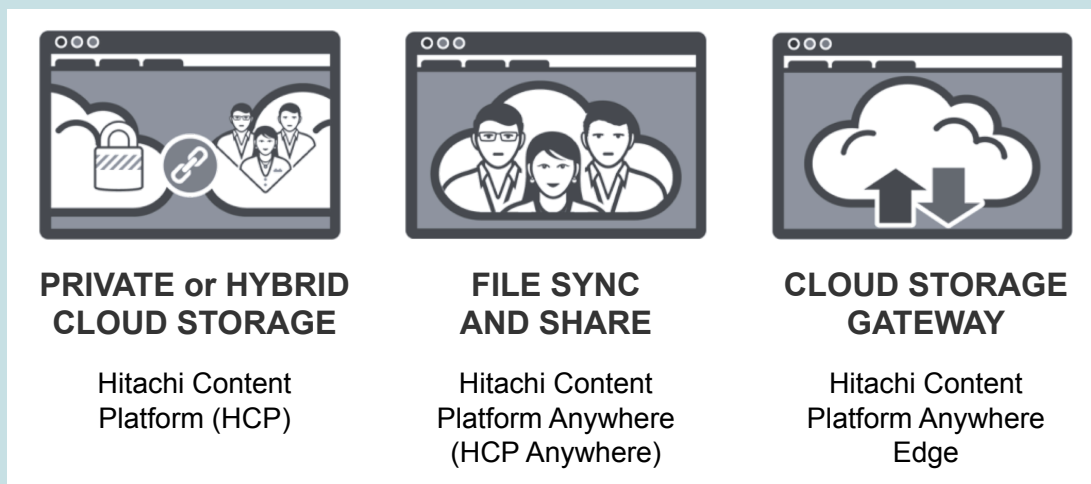| PRIVATE or HYBRID CLOUD STORAGE	FILE SYNC AND SHARE	CLOUD STORAGE GATEWAY
Hitachi Content Platform (HCP)	Hitachi Content Platform Anywhere (HCP Anywhere)	Hitachi Content Platform Anywhere Edge

Figure 1. Object storage and enterprise file sync and share may not immediately come to mind when thinking of an effective ransomware strategy. But together, they have many of the ideal capabilities that allow for the protection of the most valuable organizational and user data.

Protect Your Data Center and Recover Quickly With Hitachi Content Platform Portfolio

From top to bottom, the Hitachi Content Platform (HCP) portfolio offers organizations of all sizes a solution that secures the entire data center. Hitachi Content Platform is one of the most secure object stores in the industry, and its versioning capabilities enrich and complement any existing ransomware strategy. Hitachi Content Platform Anywhere (HCP Anywhere) extends these capabilities to remote and branch offices, as well as end-user devices. It provides enterprise file synchronization capabilities, which protect a site's or user's data, to keep your business running. These products not only enable a secure, mobile, IT environment, but they also protect data in the data center, across remote and branch offices, and even employee endpoint data located outside the corporate firewall.

See Hitachi solutions ➡

The Power of the HCP Portfolio in the Fight Against Ransomware

Maintain Business Continuity

Leverage HCP's versioning capabilities to access the most recent version of any file, in the event of a ransomware attack.

Keep your federal agency running smoothly.

Leverage the Benefits of the Most Secure Object Store in the Industry

With HCP, content is continually checked throughout its retention period for integrity, with proactive data repair. Furthermore, deletions or accidental changes before a file retention period expires are prevented by object versioning protection, which also provides a history of how the data has changed over time.

Protect organizational data.

Keep Data Encrypted, No Matter Where It Lives

In the event you decide to send data into the cloud, HCP's encryption capabilities ensure that the data stays protected before, during and after its journey.

Keep your IT flexible and secure.

Protect Valuable User Data

HCP Anywhere's EFSS capabilities limit data loss in the event of a ransomware attack, by rolling back to the latest version of any file. End users are not limited to the version linked with the latest backup.

Protect your end users' most frequently used data.

Keep Users Mobile and Their Data Off Limits

In the event of a ransomware attack, keep your employees working. HCP Anywhere allows employees to continue to access their most frequently used data, from any web browser or mobile device.

Eliminate lost employee productivity.

An Extra Level of Security for User Data

For less-critical, frequently used data, HCP Anywhere can also back up any folder, even if it's not located in HCP Anywhere, delivering an extra level of security.

Keep all data accessible and protected.

Extend Protection to Remote or Branch Offices

HCP Anywhere edge file services deliver centralized data protection management and reporting across all of the different places where file services are delivered. To users and applications, HCP Anywhere looks like a traditional file server, but it actually connects to HCP for added storage and data protection, leaving administrators confident that their files are secure.

Ensure data protection at the edge.

Hitachi Content Platform Portfolio

- Includes HCP, one of the most secure object stores in the industry. These same HCP capabilities can be used as a complement to conventional ransomware strategies.

- Provides versioning capabilities in HCP that can maintain business continuity and prevent the loss valuable time, work and money by accessing the last clean version of any corrupted file.

- Extends this same protection to those remote and branch workplaces with HCP Anywhere edge file services.

- Includes file sync and share, enterprise data mobilization, user data protection, and content management and governance capabilities in HCP Anywhere, making it the ideal ally for your employee user data.

Why Hitachi

The Hitachi Content Platform enables organizations to properly manage, govern, protect and share data so that they can improve productivity, gain efficiency and further their transformation of IT. HCP object storage is more than just a compliant archive and cloud storage platform. It is a solution to challenges organizations face every day.

For example, does your organization struggle to empower an increasingly mobile workforce, unify diverse data for greater insight to drive your business, and ensure compliance with ever-changing regulations? Are you facing challenges in storing and protecting large amounts of data, securely incorporating hybrid cloud, and even how to deliver differentiate cloud storage services? If so, HCP can help.

HCP modernizes file storage with support for traditional (CIFS, SMB and NFS) and cloud (Amazon S3 and REST) protocols. It also supports integrated cloud gateways, such as Hitachi Content Platform Anywhere edge file services, for remote and branch offices. And, with HCP Anywhere, HCP offers an integrated mobility solution for managing collaboration and end-user data protection.

"HCP is a mature product with competitive security features, including robust multitenancy and built-in encryption. It offers native WORM support, data destruction and digital signatures to ensure secure information life-cycle management."

Gartner Group (March 2016)

Take advantage of best-of-breed data protection technologies to avoid the pains of ransomware. Learn More.

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Hitachi Vantara Federal

Corporate Headquarters
11950 Democracy Drive, Suite 200
Reston, VA 20190 USA
hitachivantarafederal.com

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