Commvault

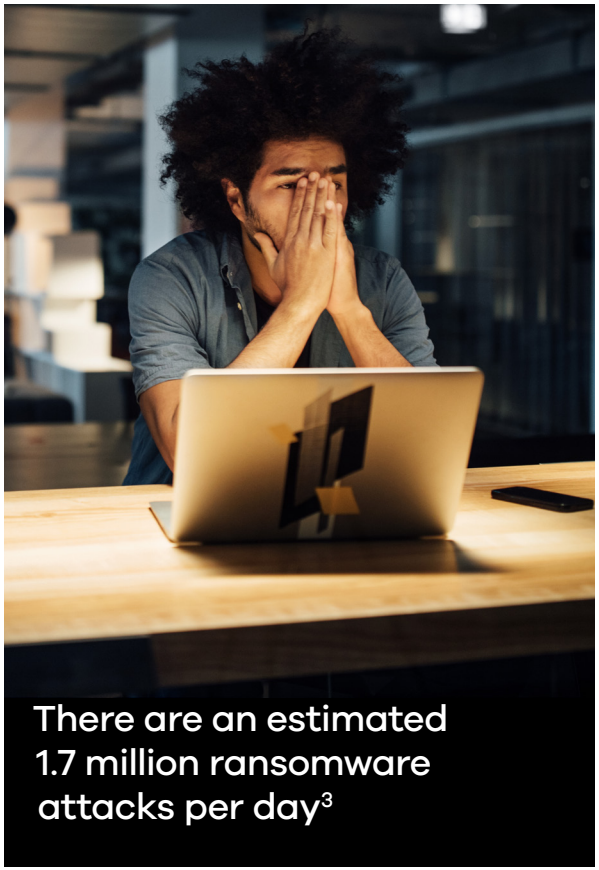
eBOOK

Keeping Your Business Safe From Ransomware

HOW COMMVAULT IS HELPING ORGANIZATIONS SECURE, DEFEND, AND RECOVER DATA AGAINST CYBERATTACKS.

CONTENTS

WHEN RANSOMWARE STRIKES, DEFEND AND RECOVER QUICKLY



Your organization may have yet to experience a ransomware attack. If so, your luck may soon run out. The ransomware threat is real; by 2031, a business will fall victim to ransomware every two seconds[1] Without reliable data protection, no organization is safe from the devastating effects of a ransomware attack.

Defending against ransomware should be a top concern for every organization. Having your data encrypted and held for ransom is a nightmare – with broad impacts on operations, revenue streams, and company perception.

Ransomware numbers are skyrocketing[2], and it typically takes a long time to recover the data – if it is recoverable. Unfortunately, these types of attacks are expected to remain prevalent.

DID YOU KNOW?

73%

of organizations experienced a successful ransomware attack in 2022[4]

83%

of cyberattacks involve some form of data leakage, exfiltration, theft, or damage[5]

1 Gartner, "Ransomware is Changing – Are you Ready?", December 2022
2 NPR, Jenna McLaughlin, "The rise in ransomware attacks this year may be related to Russia's war in Ukraine," July 2023
3 TechJury, Maxym Chekalov, "How Many Ransomware Attacks in 2023?", August 2023
4 Barracuda, "Ransomware Insights Report", 2023
5 Computer Weekly, Alex Scroxton, "Backups 'no longer effective' for stopping ransomware attacks", February 2023

THE COST GOES FAR BEYOND THE PAYOFF

The consequences of a cyberattack can be devastating. With downtime and costs expected to increase year-over-year, organizations must prepare to minimize the impact and expense – including adverse financial effects and damage to their brand.

The average ransom attacker demands $1.5 million.[6] And the average cost of downtime is about $9,000 per minute.[7] There's no way around it: no matter how you deal with a ransomware attack, the organization takes a hit in productivity, customer satisfaction, employee morale, and brand reputation.

The setbacks organizations experience from ransomware attacks are profound, and full recovery can take months or, often, years. Therefore, organizations should ensure their data protection and management solutions can help protect, detect, and recover from ransomware.

$10.5T spent on cybercrime by 2025[8]

1.5M average amount a ransomware attacker demands[10]

6 Tech.co, James Laird and Aaron Drapkin, "Ransomware Statistics 2023: Key Trends, Insights and Questions Answered", June 2023
7 SolarWinds, Pingdom Team, "Average Cost of Downtime per Industry", January 2023
8 Forbes, Carmen Ene, "10.5 Trillion Reasons Why we Need a United Response to Cyber Risk", February 2023
9 Techjury, Maxym Chekalov, "Ransomware Statistics You Must Know About", July 2023
10 Tech.co, James Laird and Aaron Drapkin, "Ransomware Statistics 2023: Key Trends, Insights and Questions Answered", June 2023

COMMVAULT CYBER RESILIENCE SOLUTION

Commvault is focused on enabling cyber resilience for the hybrid world. It's the only platform for true, cloud cyber resilience, delivering the highest security, most intelligence, and fastest recovery.

In today's ever-changing threat landscape, organizations need an effective way to protect their valuable data as cyber risks evolve, data estates grow, and IT resources become scarce.

Our unified platform, Commvault® Cloud, powered by Metallic® AI, provides comprehensive detection, security, and recovery capabilities necessary for layered protection that actively defends data and ensures its recoverability across production and backup environments.

With our proactive and multilayered data protection tools, businesses of all sizes can detect and uncover risk, reduce the chances of threats, control data and its access, and facilitate intelligent, informed recovery outcomes.

LEARN MORE ABOUT OUR SOLUTIONS

Unified management

Gain visibility and control across the entire hybrid enterprise to secure and recover all data — from any location to any location — from a single pane.

Data security posture management – as a service

Find, categorize, and act on sensitive data in production and backup environments. Scan for ransomware and threats across critical data.

AI-driven threat prediction

Use AI to fight AI-driven attacks. Threat Scan Predict finds AI-driven ransomware to predict threats before they infect backups.

Data security AI co-pilot

Leverage our AI co-pilot, featuring Code Assist to generate API code and workflows, Rootcause Resolve to find and fix faster, and Active Insight for real-time analysis and report digests.

Cloudburst Recovery

Gain an unfair advantage against cyber attacks by combining infrastructure-as-code and cloud scaling to ensure fast, predictable, and reliable cyber recovery at scale.

Cleanroom Recovery

Identify and ensure clean recovery, plus the guarantee safe recovery to a cleanroom in the cloud.

A LAYERED APPROACH TO PROTECTING DATA

Commvault applies a proactive, layered data protection framework offering detection, security, and recovery capabilities across production and backup environments to ensure your organization is prepared for all cyberattacks. Based on the NIST framework, these five essential elements work to secure and defend an organization's data and quickly recover it in the event of a ransomware attack.

Identify

Assess risk and secure data

Protect

Isolate, lock, and secure data from changes

Monitor

Defend data with early warning alerts and anomalous threat patterns

Respond

Analyze and defend data by performing orchestrated actions

Recover

Recover clean data quickly to meet your uptime objectives

LEARN MORE ABOUT OUR MULTILAYERED APPROACH

CASE STUDIES

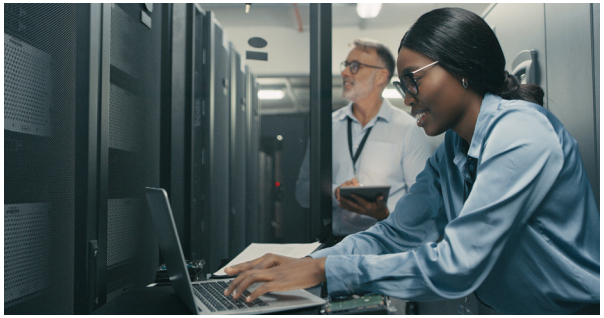
With Commvault Cloud, these organizations have been able to not only survive a ransomware attack but go on to thrive. The following case studies are just a few examples of how Commvault is helping organizations worldwide.

Delaware department of correction takes on ransomware

LEARN MORE

Harel Group simplifies its cloud journey with Commvault Cloud

LEARN MORE



Evolutio ensures data readiness and reduces costs with Commvault Cloud

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DELAWARE DEPARTMENT OF CORRECTION TAKES ON RANSOMWARE

Background

Delaware Department of Correction (DOC) is a state agency that manages state prisons and maintains 24x7 mission-critical operations that provide healthcare, intelligence, video surveillance, secure movement, and safety. They collected personal healthcare information, medical records, rehabilitation, and release information and sought greater efficiency and security to manage and back up their data.

Challenge

DOC was looking to move away from paper backup to electronic data and build a resilient data management infrastructure to:

- Secure criminal, medical, and financial data for 4,500+ inmates across several facilities
- Specific data points such as video conferences, telephone calls, and footage from 2,000+ security cameras
- Mitigate the impact of a ransomware attack and create a data strategy that is future-proof

Solution

DOC implemented Commvault Cloud Autonomous Recovery to simplify backups and data storage across multiple facilities. Commvault protects all data, ensuring it is safe and highly accessible. After believing they had a data loss, Commvault quickly identified the problem, and DOC restored business operations within an hour.

Responsive, 24x7 support services

60% cost reduction in tape media costs by moving to a more secure and reliable system

Scalable and resilient backup data architecture

Prepared for a ransomware attack

> **Commvault is the only vendor we trust to offer an all-in-one backup, disaster recovery, and ransomware protection solution.**

Phil Winder
Chief of Information Technology,
Delaware Department of Correction

HAREL GROUP SIMPLIFIES ITS CLOUD JOURNEY WITH COMMVAULT CLOUD

The Harel Group
PARTNERING FOR SUCCESS

Background

Harel Group is the largest and most innovative insurer in Israel, offering a wide range of products and services to over 10 million customers. With 80 years of experience in the industry, it is now listed on the Tel Aviv Stock Exchange and holds a 22% market share. They manage large volumes of data and investment money, so it is critical to ensure all data is backed up and restorable.

Challenge

Harel Group needed a single solution to protect data in the cloud and on-premises. They needed to ensure that data in the Microsoft Azure and Microsoft 365 cloud could be safeguarded and rapidly recovered as quickly and reliably as Commvault Cloud Autonomous Recovery protected their on-premises data.

Solution

Commvault Cloud Backup for Microsoft 365 was fast and easy, and implementing Commvault Cloud Air Gap Protect to drive on-premises storage to the cloud helped to minimize infrastructure costs and mitigate ransomware attacks.

A total solution to ensure all data is 100% secure and can be restored at any time

Protected over 1,000 mailboxes with plans to scale over 5,000 mailboxes in a few month

Cut significant time in managing infrastructure for storage, media storage, and backup servers

> **The combination of high security, ease of use, and fast deployment is the key factor for why Commvault won the race.**
>
> **David Ben-Eli**
> System IT Infrastructure Manager, Harel Insurance

EVOLUTIO ENSURES DATA READINESS AND REDUCES COSTS WITH COMMVAULT CLOUD

evolutio

Background

Evolutio is a Madrid-based cloud services provider with over 30 years of experience. It has 6,100 virtual machines across three data centers and offers services to top Spanish organizations. Evolutio seeks to foster its customers' agility and innovation capacity and has used Commvault for ten years to protect its internal systems.

Challenge

The company sought an easy-to-use solution that consumed minimal resources to manage backup and security for Microsoft 365 with a desire to avoid yearly infrastructure upgrade costs and the ability to comply with regulatory requirements.

Solution

Installed Commvault Cloud Autonomous Recovery to backup and restore internal systems and expanded to Metallic® Backup for Microsoft 365 to protect 1,200 mailboxes and SharePoint.

20% yearly savings in CAPEX

Ensure data is 100% secure

Installed Commvault Cloud in minutes

> **Commvault Cloud is the pill you must take to get a good night's sleep. It gives us extreme confidence that our data is 100% secured.**
>
> **Alain Rodriguez**
> Head of Services Management Office, Evolutio

eBOOK

CYBER RESILIENCE WITH COMMVAULT FOR THE HYBRID ENTERPRISE

Organizations need a redefined modern approach to cyber resilience with built-in security, defense, and rapid recovery – at the lowest TCO.

Learn more about how you can ensure cyber resilience at
commvault.com/use-cases/ransomware-and-cyber-defense

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