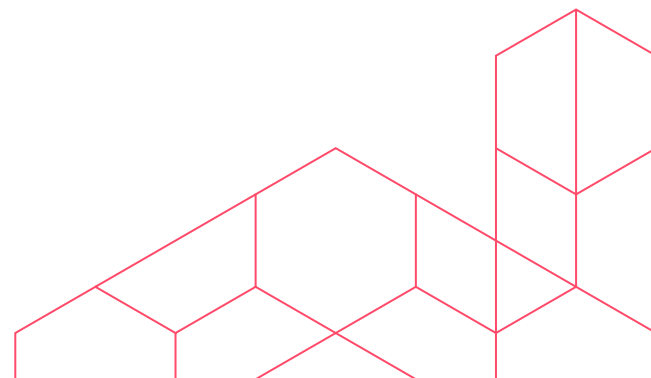# Aligning CIO Strategy with Changing Data Protection Needs

A Commvault Guide for Busy CIOs

COMMVAULT®

CONTENTS

Winning in an Evolving Data Environment

"

Becoming digitally resilient is required in order to successfully deliver products, services, and experiences to markets and customers in times of uncertainty.[1]

Shawn Fitzgerald
Research Director
Worldwide Digital Transformation Strategies, IDC

The past two years have been about resiliency.

CIOs must implement technology to improve customer service, drive product innovation, and deliver better financial results. All of this while minimizing risk, securing the organization's infrastructure, and lowering costs.

Technology goals have been challenged because of an evolving data environment confronted with increasing cyberthreats, new data demands, explosive data growth, and for many, a shortage of trained IT staff. To be successful, every organization must evaluate how its current data management environment impacts its security posture and ability to recover data quickly.

This guide provides data management practices and solutions to keep your data safe, available, and scalable across diverse workloads while managing compliance.

[1] 1 The 2021 Worldwide and U.S. Digital Resiliency Maturity Indices, Shawn Fitzgerald, Rebecca Segal, IDC, Sep. 2021
[2] Foundry 2022 State of the CIO

While

59%

of IT budgets are increasing,[2] there are still requirements to reduce overall costs and be more efficient. So how do you balance these demands?

Ransomware Protection and Recovery

1 in 3

organizations report having been successfully hit more than once by a ransomware attack, making ransomware both a significant and recurring source of business disruption.[3]

The stakes are high: It takes the average organization 22 days to recover from a ransomware attack[4], and the average cost of downtime for large enterprises is more than $11,600 per minute.[5] But you don't have weeks to resume normal business operations. Most CEOs and board directors expect ransomware recovery plans to stipulate a return to business operations in days, not weeks.

[3] ESG Research Report, The Long Road Ahead to Ransomware Preparedness, June 2022
[4] Statista, Joseph Johnson, Length of Impact After a Ransomware Attack, Q1 2020– Q3 2021, November 2021
[5] Webtribunal, Branko K., 15+ Scary Data Loss Statistics to Keep in Mind in 2022, April 2022

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Reduce Complexity and Risk Through a Unified Management Console

Often organizations try to manage the complexity of a diverse IT environment with multiple backup tools that add complexity and drive up costs. Poorly integrated and aligned solutions create silos that hamper visibility and productivity while increasing risk. Using a single, unified management interface to control your entire data environment reduces complexity and simplifies daily operations, freeing your staff to focus on higher-value, more strategic activities.
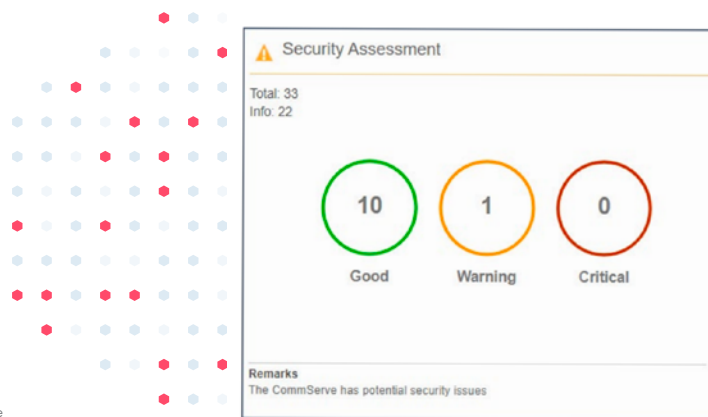
Commvault Command Center™

Commvault helps streamline the management of your organization's workloads through a single unified interface, the Commvault Command Center™. This centralized management console is a highly customizable web-based user interface for managing all your data protection and disaster recovery initiatives.

Security Health Assessment Dashboard

The Security Health Assessment Dashboard is available within the Commvault Command Center health report[*] and helps you easily identify, monitor, and mitigate risks within your environment. This allows you to view and identify suspicious activity in real time and across your backup environments to minimize their impact and potential disruption of your operations.

WATCH DEMO >

⚠ Security Assessment

Total: 33
Info: 22

10	1	0
Good	Warning	Critical

Remarks
The CommServe has potential security issues

* Available on Feature Release 11.20 and above

Commvault Has Your Data Covered

With everything centrally managed from the Commvault Command Center™, your organization has a modern approach to proactively simplify the complexity of managing your enterprise data.

## Ensure data availability and business continuity

Commvault Complete™ Data Protection provides simple, scalable, and comprehensive backup, replication, and disaster recovery orchestration for all your workloads, helping you reduce cost and complexity, while providing greater control over your recovery timeframes.

Add greater immutability, air gapping, and cloud storage

Ensure your backup copies are safe at the edge with Commvault HyperScale™ X, providing local air-gapped copies for faster recovery, or in the cloud with Metallic™ Recovery Reserve, providing air-gapped cloud storage with predictable costs and reduced overhead.

Gain additional data insights

Easily enhance your ransomware protection with Commvault® File Storage Optimization and Commvault® Data Governance. Identify where business-critical data resides and ensure those files are appropriately protected across the entire landscape – including the cloud. This helps protect against data exfiltration by enabling your organization to quickly find and secure its most sensitive data.
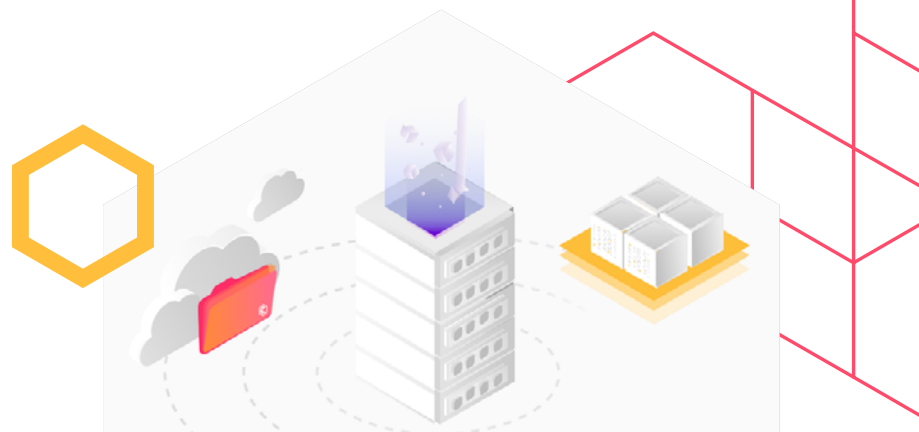
Faster, Proactive, and Curated Recovery From Ransomware

83%

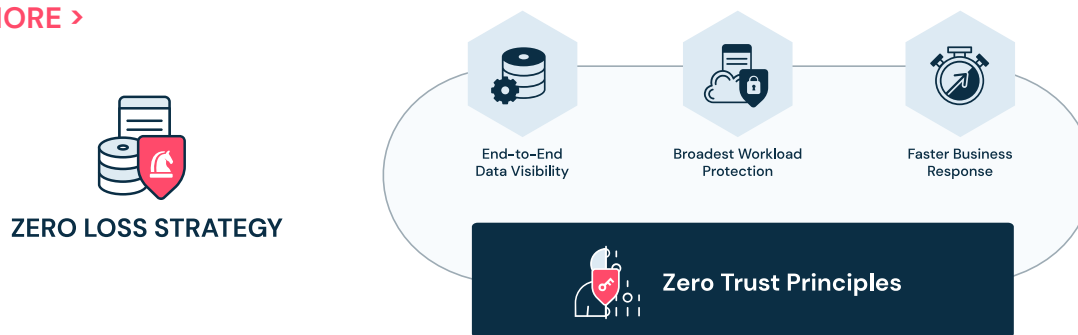**of ransomware attacks involve some form of data leakage, exfiltration, theft, or damage.[6]**

While the right product and services are essential to fight ransomware, incorporating a plan is imperative to be prepared. How prepared is your organization if a cyberattack occurs?

Remain vigilant with a Zero Loss Strategy

Commvault's end-to-end security framework follows NIST and zero trust principles, providing exceptional protection and recovery capabilities. While a multilayered security framework is a highly effective approach for protecting against and recovering from ransomware attacks, organizations also require a strategy to remain vigilant.

To strengthen your data protection and recovery efforts, implement a Zero Loss Strategy designed to help you better plan, manage, and reduce the impact of ransomware and cyberattacks.

LEARN MORE >

ZERO LOSS STRATEGY

End-to-End
Data Visibility

Broadest Workload
Protection

Faster Business
Response

Zero Trust Principles

Cyber deception for early detection

Strengthen your security posture with early ransomware detection by adding Metallic® ThreatWise™. Using patent cyber deception technology, ThreatWise engages bad actors the moment an attack begins, in production environments, to deliver early warning signals into active, unknown, and zero-day threats. It delivers a powerful one-two punch, slowing attacks by diverting them toward useless assets while providing insight into movement and techniques for faster response – before data encryption, leakage, or exfiltration.

[6] ComputerWeekly, "Backups 'no longer effective' for stopping ransomware attacks," February 2022, https://www.computerweekly.com/news/252513735/Backups-no-longer-effective-for-stopping-ransomware-attacks

Scalability for Success

Organizations estimate their total volume of data is growing by an annual mean rate

of **35%**   up from **27%**

just two years ago.[7]

With a business environment that is constantly changing, you need a solution that automates and scales data protection, facilitates migration, and enables flexible management.

Expanding your workloads to cover modern SaaS applications and hybrid and native cloud applications like Kubernetes and SaaS can be daunting. What's needed is an overarching data management and protection solution that supports a diverse technology stack, including data and workloads from prior, current, and future generations.

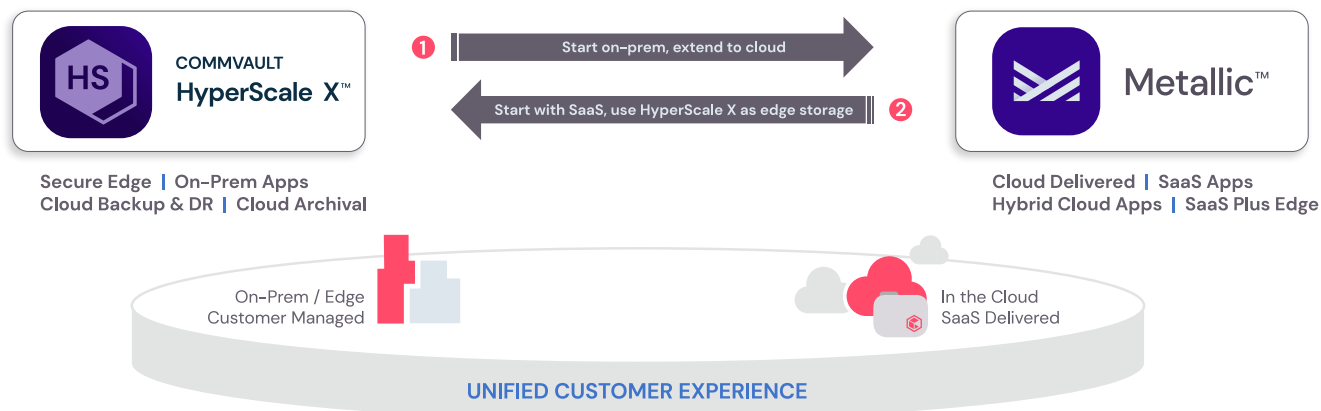[7] ESG Brief, Intelligent Data Management, April 2022

The Power of AND

The power of Commvault is realized through "The Power of AND," the ability to seamlessly manage across cloud and on-premises environments for optimized delivery of data services in a hybrid cloud world. Together, Metallic® SaaS and Commvault HyperScale™ X meet customers' needs for scale, security, and performance at any phase of the digital transformation journey.

Commvault HyperScale™ X

HyperScale X is a scale-out integrated solution available as a Commvault-branded appliance or as a validated reference architecture for use with your existing hardware. You get simple setup, management, and protection for all your workloads at scale and trusted security, immutability, and resiliency with built-in ransomware protection.

Mix and match our enterprise software, appliances, AND the Metallic® portfolio of SaaS-delivered cloud-native solutions to protect and manage all your data – regardless of where it lives or how it's structured. The Power of AND gives you flexibility and scalability with less complexity and risk – wherever you are on your cloud journey.

HS COMMVAULT HyperScale X™

❶ Start on-prem, extend to cloud
❷ Start with SaaS, use HyperScale X as edge storage

Metallic™

Secure Edge | On-Prem Apps
Cloud Backup & DR | Cloud Archival

Cloud Delivered | SaaS Apps
Hybrid Cloud Apps | SaaS Plus Edge

On-Prem / Edge
Customer Managed

In the Cloud
SaaS Delivered

UNIFIED CUSTOMER EXPERIENCE

Protect What Matters Most

Commvault can easily help you scale as we cover the broadest workload protection from on-premises to the cloud to SaaS applications and provide support for native cloud integration, helping to minimize complexity.

Commvault covers your data with:

- Flexible and consistent service levels to protect all your workloads.
- Industry-leading support for legacy applications, mainframes, modern applications, containers, and Kubernetes.
- Native integration with cloud, applications, and databases.
- Unprecedented data mobility with cross-cloud and cross-platform functionality accelerates data migration and recovery tasks.
- The ability to restore any workload to any target, cloud, or on-premises.

Explore our range of **SUPPORTED TECHNOLOGIES ›**
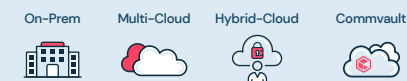
INDUSTRY'S BROADEST WORKLOAD COVERAGE

PRIMARY STORAGE			WORKLOADS					SECONDARY STORAGE			
On-Prem	Multi-Cloud	Hybrid-Cloud	SaaS	Devices	Database	VMs	Containers	On-Prem	Multi-Cloud	Hybrid-Cloud	Commvault

Intelligent Compliance

By year-end 2024
Gartner predicts that

75%

of the world's population will have its personal data
covered under modern privacy regulations.[8]

Modern business needs have driven corporate data to disburse and reside
across a multitude of locations and form factors: from on-premises to cloud,
hybrid, and even SaaS applications. Given this scattering of data locations,
the IT response to audit and investigation requests has become more time-
consuming and, unfortunately, less accurate than ever.

Commvault allows you to gain confidence in the speed and quality of your
response while saving time and money by unifying your regulatory and
compliance needs within a single software stack managed through a single
portal. Our solutions help you do more with less by spanning all your data,
regardless of location or form factor.

8   Gartner, "Gartner Identifies Top Five Trends in Privacy Through 2024", May 2022, https://www.gartner.com/en/newsroom/
press-releases/2022-05-31-gartner-identifies-top-five-trends-in-privacy-through-2024

Prove That You Are Data Compliant

Reduce time and costs for eDiscovery

Enable timely and accurate audit and investigation exercises and ensure relevant legal data remains unaltered with Commvault® eDiscovery & Compliance.

- Harness your managed data to collect insights and critical data points from immutable (unalterable) information.
- Leverage archive and legal hold capabilities to quarantine and retain relevant information without impacting production.
- Prove data chain of custody and alteration history to ensure relevant data hasn't been tampered with by bad actors.
- Perform powerful and fast searches with advanced search techniques.

Easily adhere to data privacy regulations

Identify and secure sensitive data with Commvault® Data Governance. Streamline collaborative risk remediations and manage critical compliance components.

- Rapidly identify, classify, and secure sensitive data, including personally identifiable information (PII) such as addresses, telephone numbers, etc.
- Supplement and simply your organizational response protocols when performing audits and investigations around popular standards such as GDPR, CDPA, and more.
- Ensure that sensitive data is removed from production and backup data to safeguard against restoring previously removed data.

Support your information lifecycle management strategy

Gain actionable means to implement defensible deletion policies to limit your legal risk exposure and to dispose of data responsibly through policy-based automation decisions with Commvault® File Storage Optimization.

- Identify ownership gaps, orphan data, data sprawl, and access rights to business-critical data.
- Save costs and limit compliance risks by shrinking your data footprint through the user-defined automated removal of ROT (Redundant, Obsolete, or Trivial) data.
- Support audits and investigations with file access history through a single interface.

Win with Commvault

Win in an ever-evolving environment with Commvault. The Commvault data management and protection solution is future proof, covering the data needs of yesterday and today and adapting to the changing needs of tomorrow. No matter what technology you are going to use next, you can effectively and consistently manage all your data security, compliance, transformation, and insights from a single, simple unified platform, spanning hybrid clouds, multi-clouds, and on-premises environments.

With a single solution, to manage and protect all your data as it's moved, managed, and used across workloads, you can eliminate data fragmentation and reduce complexity and costs,

all while reducing risk.

Let's discuss your efficient data management goals. Reach out to chat with a Commvault technical contact to discuss your unique requirements and see how Commvault can help save money, prevent downtime, and give your organization the confidence and flexibility it needs now and into the future.

REQUEST A CUSTOM DEMO >

commvault.com | 888.746.3849 | get-info@commvault.com

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