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Commvault Helps Achieve Minimum Viability

Strengthen your cyber resilience with cyber recovery capabilities and best practices

KEY CHALLENGES FOR BUSINESSES

Businesses today face constant disruptions, and the impact of downtime can be devastating. So when a cyberattack or disaster occurs and takes down technology, apps, and data that are needed for an organization to deliver on their mission, the ability to quickly return to a viable state after an attack or outage is essential.

The financial impact of threats continues to rise. The average cost of a breach is $4.88M[1], driven by a rise in AI-enabled attacks, ransomware, and insider threats.

Every second of downtime comes at an unprecedented cost. The average cost of downtime is just over $14,000 per minute[2] But this doesn't include operational costs like supply chain disruptions, reputation costs like loss of customer trust, and compliance or legal costs, such as regulatory fines.

For critical infrastructure and industries like healthcare, outages and downtime can literally mean life and death. When we think about a hospital or a power company, not being able to deliver services impacts the lives of people they serve.

> Minimum Viability – "the smallest possible version of an organization that can still function and serve customers should an incident bring down part(s) of the operations and systems."
>
> KPMG

MINIMUM VIABILITY IS STEP ONE TOWARD ACHIEVING CONTINUOUS BUSINESS

Minimum Viability is a key component of a Continuous Business practice. It is the ability to rapidly restore the minimum capabilities (applications, assets, processes, people) required for an organization to effectively operate after an attack.

Commvault helps enable minimum viability by providing organizations with the best practices and tools for enterprise recovery, such as air-gapped copies of critical data, the ability to quickly and easily spin up a cleanroom to test recovery plans, identify clean points, and recover to a clean environment.

More than a recovery strategy, restoring minimum viability is about strengthening the organization's cyber resilience which enables a return to business following an attack, outage, or disruption, and maintain continuous business.

ELEMENTS OF MINIMUM VIABILITY

When considering how to achieve minimum viability, there are several components of both a cyber response and cyber recovery strategy that need to be considered.

Element	Benefits
01 Remediate Threats: Minimize damage while limiting spread and enabling the preservation of evidence.	Identification of threats will allow you to assess scope, affected systems, data, and business functions. Containment of threats will allow mitigation efforts to remove threat. Eradication will remove threats, malware, close security gaps and expel attackers from systems.

1   https://www.ibm.com/reports/data-breach
2   https://www.bigpanda.io/ar-ema-outage-cost-2024/

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Element	Benefits
02 Restore Secure Access: Enable employees to securely access critical systems and data by restoring clean, trusted directory and identity services, like Active Directory and Entra ID.	Identity and access management isn't just about users being unable to log on to their workstations or access email. When identity systems like Active Directory are down, critical infrastructure can't come online, applications don't start, and business grinds to a halt. When identity systems are compromised, complex roles and permissions further inhibit the restoration process.
03 Restore Communications: Provide secure email, messaging, calendaring, and document collaboration with services like Microsoft 365 and Google Workspace.	Email and collaboration tools are vital for modern businesses, allowing teams to work together from anywhere. When these services are down, productivity drops significantly.
04 Rebuild Infrastructure: Quickly restore essential IT infrastructure and applications to operational status.	Recovering applications means rebuilding each of the distributed components as well as the underlying infrastructure; doing so allows you to quickly and cleanly bring back critical capabilities.
05 Recover Data: Efficiently recover clean and trusted data to minimize the impact of disruptions.	Data is the lifeblood of modern business. In many cases, reliable access to data is a necessity for a business to operate at its most basic level. Recovering clean data after a cyberattack or security incident is crucial to restoring operations, avoiding interruptions in service, and reducing the risk of reinfection.

COMMVAULT CAPABILITIES THAT HELP ACHIEVE MINIMUM VIABILITY

Commvault delivers unique cyber resilience capabilities to help customers recover and return to a minimum viability state. To help restore identity and access management, Commvault enables **full forest recovery of Active Directory** as well as directory change analysis to deliver clean recovery of Active Directory, at scale, to rapidly establish minimum viability.

For the recovery of communications and collaborations channels, Commvault enables resilience of **Microsoft 365 and Google Workspace** to recover and restore communications and collaboration channels. To rebuild infrastructure, Commvault delivers recovery-as-code with **Cloud Rewind** that enables organizations to rapidly rebuild cloud infrastructure and applications to accelerate restoring minimum viability. Commvault also provides options during recovery, including the ability to use **known-good golden images of VMs and operating systems to pave or re-pave an environment** before recovering data. This enables greater control and confidence during recovery and rebuild operations.

And to help organizations recover and restore their data, **Cleanroom Recovery & Air Gap Protect** enables automation and provides on-demand recovery to secure, isolated locations on the cloud to enable testing, forensics, and initial production recovery directly from cloud-based immutable and indelible storage. **Cleanroom Recovery** also enables critical data to be cleanly recovered and restored to clean systems using gold-master VM images.

Learn more about minimum viability and how you can achieve it **here.**

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