



Recovering Your Organization After a Ransomware Attack

DELLTechnologies

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Cyber Threats are Becoming Increasingly Frequent and Sophisticated

\$13M

Average cost of cybercrime
for an organization²

EVERY 11 SECONDS
A CYBER OR RANSOMWARE ATTACK OCCURS¹

ORGANIZATIONS ARE CONCERNED THAT THEIR
EXISTING DATA PROTECTION
SOLUTIONS AREN'T SUFFICIENT

“67% of Global IT decision makers are not very confident that all business critical data can be recovered in the event of a destructive cyber attack.”³

— Global Data Protection Index Survey 2021 Snapshot

¹Cybersecurity Ventures: <https://cybersecurityventures.com/global-ransomware-damage-costs-predicted-to-reach-20-billion-usd-by-2021> <https://cybersecurityventures.com/cybercrime-damages-6-trillion-by-2021>

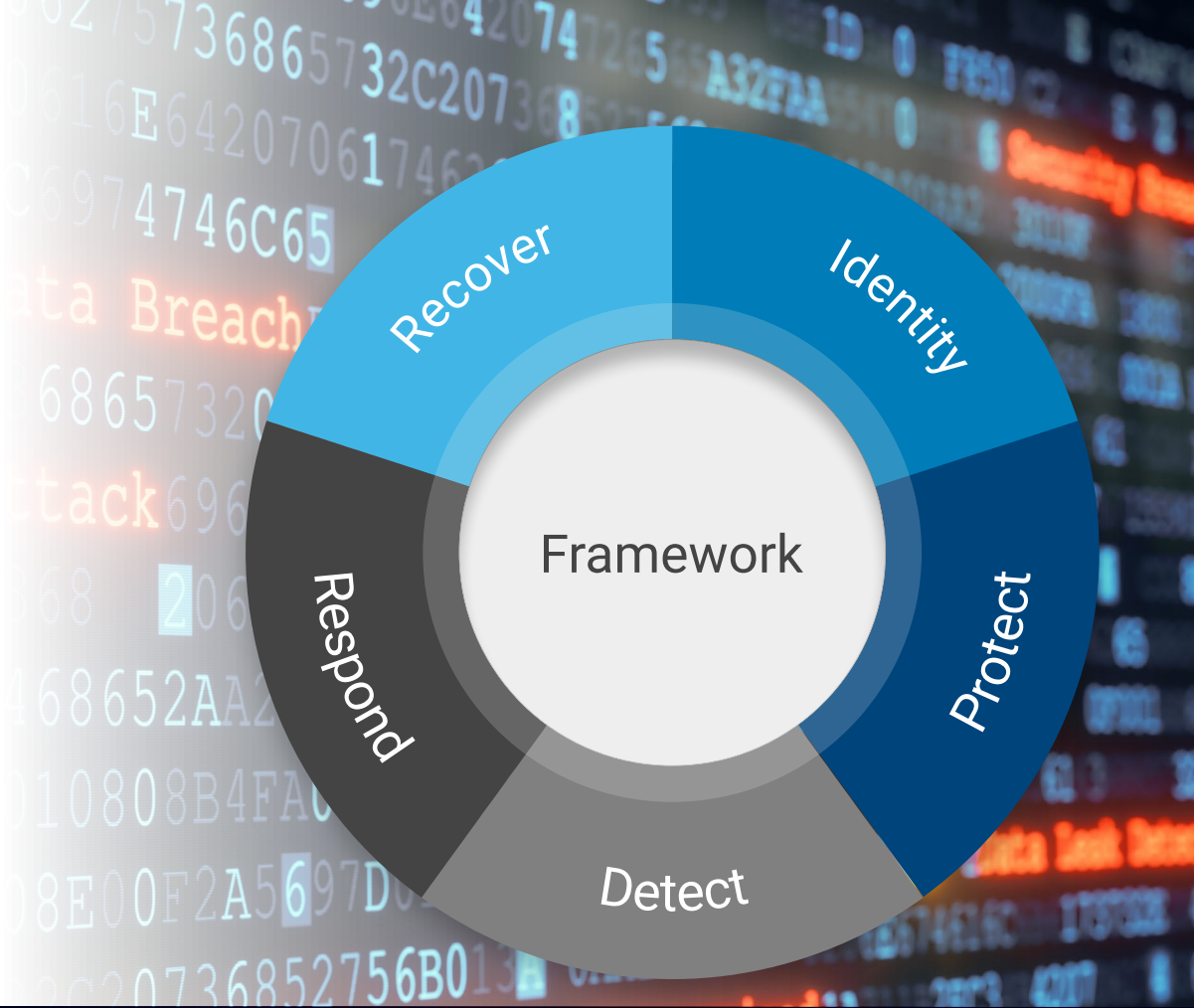
²Accenture Insights, Ninth Annual Cost of Cyber crime Study March, 2019: <https://www.accenture.com/us-en/insights/security/cost-cybercrime-study>

³Based on research by Vanson Bourne commissioned by Dell Technologies, “Global Data Protection Index 2021 Snapshot,” carried out February – March, 2021. Results were derived from a total of 1,000 IT decision makers worldwide from both private and public organizations with 250+ employees.



ROLL OVER ▶

ROLL OVER ▶



Cyber Recovery is a Key Enabler of Cyber Resiliency

Focus on increasing confidence in the ability to recover from a cyber attack through key technologies and processes

**AIR GAPPING,
IMMUTABILITY
AND AUTOMATION**



**AI / ML BASED
SECURITY
ANALYTICS TOOLS**



**RUNBOOKS
AND RECOVERY
PROCESS**



**BUSINESS
RECOVERY AT
SPEED AND SCALE**



**CROSS
FUNCTIONAL
ENABLEMENT**



PowerProtect Cyber Recovery Advantages

Isolation



Physical and Logical Separation of Data

The PowerProtect Cyber Recovery Vault is protected with operational air gap either on-premises or in cloud and multi-cloud offers.

Immutability



Preserve Original Integrity of Data

Multiple layers of security and controls protect against destruction, deletion and alteration of vaulted data.

Intelligence



ML and Analytics Identify Threats

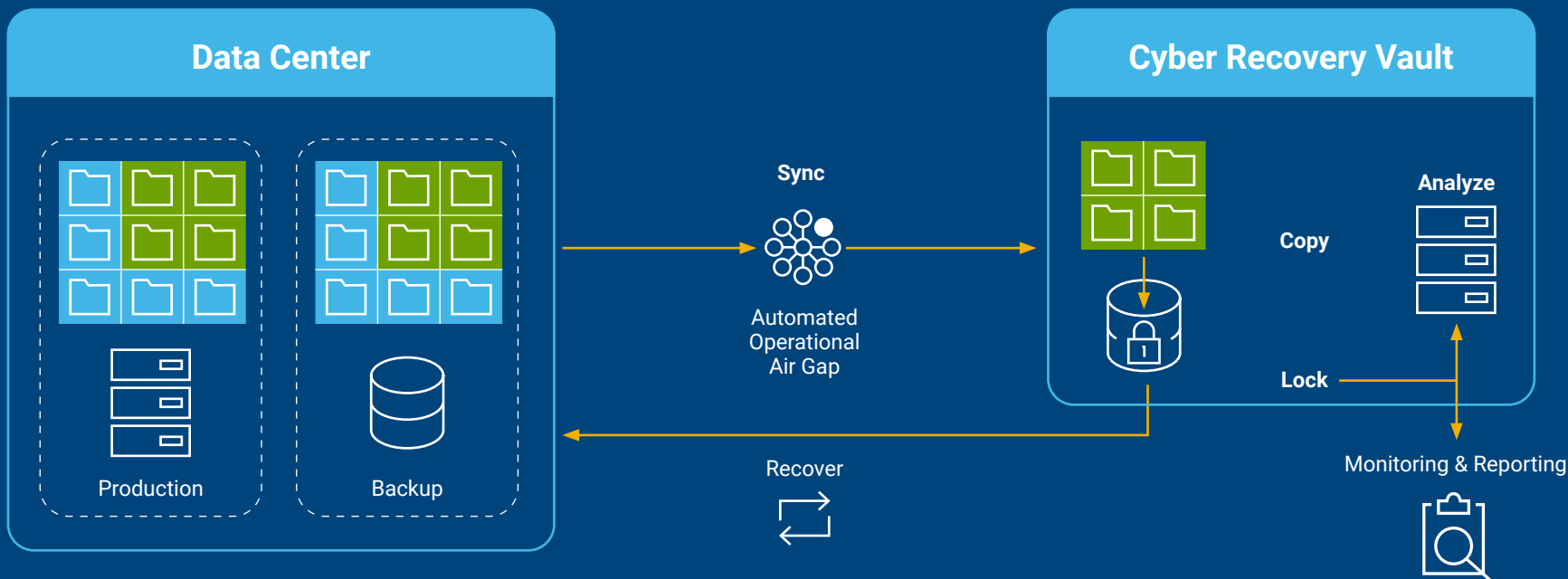
CyberSense enables confident recovery of good data and offers insight into attack vectors from within the Cyber Recovery vault.



PowerProtect Cyber Recovery

Data Vaulting Processes

▶ ROLL OVER NUMBER IN CIRCLE FOR DETAILS



Intelligent Analytics

CyberSense Machine Learning Enables Early Detection and Rapid Recovery

▶ ROLL OVER ANY ICON IN CIRCLE FOR DETAILS

SECURITY ANALYTICS

200+ statistics indicative of cyber attack

CORRUPTION DETECTED

Alert when suspicious activity is detected

COMPREHENSIVE INDEX

Changes in content over time

MACHINE LEARNING

Trained on all common trojans and attack vectors

POST ATTACK REPORTS

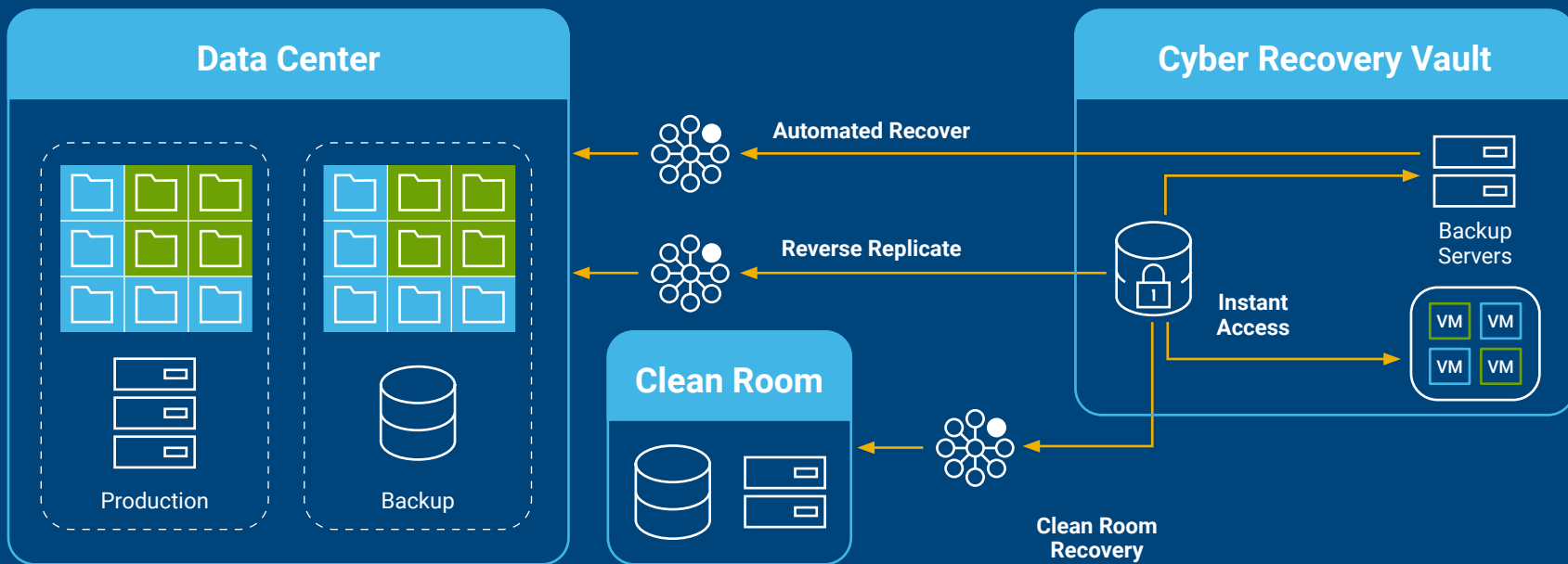
Detailed reports, including last good backups for rapid recovery



PowerProtect Cyber Recovery

Flexible Recovery Options

▶ ROLL OVER NUMBER IN CIRCLE FOR DETAILS



Founders Federal Credit Union



Data Integrity Drives Business Transformation

CHALLENGES

- ▶ Expand business in highly competitive regional banking market
- ▶ Offering customers fast, reliable and innovative services on any device
- ▶ Making data protection and data integrity a cornerstone of Founder's customer promise



POWERPROTECT CYBER RECOVERY

- ▶ Protects critical data that is fueling both technological and business transformation
- ▶ Provides confidence to IT leaders that critical data is protected from ransomware and cyber attacks
- ▶ Reassures Business leaders and customers that Personally Identifiable Information (PII) and other data is protected from cyber attack

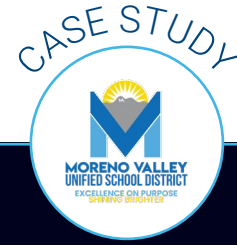


RESULTS

- ▶ "Impeccable data quality" has increased competitive advantage
- ▶ IT staff roles transformed from administrators to data technologists
- ▶ CIO measures value of IT by its contribution to transformation efforts



Moreno Valley Unified School District



School District Gears Up Against Cyber Threats

CHALLENGES

- ▶ Neighboring school districts were hit with cyber attacks
- ▶ Student, employee and financial data needed to be kept safe and secure
- ▶ Virtual classes introduced multiple connectivity and device challenges



POWERPROTECT CYBER RECOVERY

- ▶ Reassures Administration and staff that PII and other data is protected from cyber attack
- ▶ CyberSense for active cyber threat analysis / alerts
- ▶ Isolated vaulting capability, provides an extra layer of security and isolation



RESULTS

- ▶ Air-gapped vault with CyberSense analytics means peace of mind that PII data is recoverable in event of a cyber attack
- ▶ Increased efficiency and reduced costs with 100x average daily compression rate
- ▶ Proactive, automated monitoring and reporting



State of Oklahoma



Transforming State Government IT

CHALLENGES

- ▶ State services can't afford to be down, so they needed a reliable solution that ensured data availability
- ▶ Safeguard critical data against threats such as ransomware or cyberattacks
- ▶ Previous solution for restoring data was very manually intensive and didn't provide the confidence they needed



POWERPROTECT CYBER RECOVERY

- ▶ Peace of mind that they're able to recover from attacks
- ▶ Withstand global cyber attacks such as DDoS and defacement
- ▶ Isolated Cyber Recovery Vault provides an extra layer of security for critical governmental data



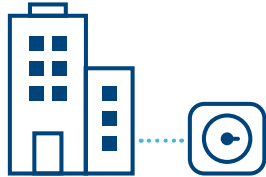
RESULTS

- ▶ Withstood 3.8 trillion cyber attacks with Dell data protection
- ▶ Ability to recognize a disaster and within hours be up and functional and running
- ▶ Modernized disaster recovery by moving 2.6PB of data and 10,000+ databases to a remote data center



PowerProtect Cyber Recovery – Flexible Deployment Options

On-premises



▶ [Learn More](#)

Colocation



▶ [Learn More](#)

Public Cloud



▶ [Learn More](#)

Get Started Today

Assess

Assess your current cyber resiliency to determine your readiness and program maturity



- ▶ Take Cyber Resiliency Assessment

Explore

Explore the breadth of advanced solutions, services and intrinsic security innovations from Dell Technologies



- ▶ Explore Security Solutions

Plan

Work with Dell trusted security experts to build your strategy for enhancing cyber resiliency



- ▶ Learn About Consulting Services

Accelerate

Modernize your security posture to help build your breakthrough with confidence



- ▶ Discover Dell Technologies Services



Cyber Recovery Services Capabilities

Services Across the Customer Journey Map Increase Program Maturity



Advisory & Design

Create consensus
and speed design



Deploy & Implement

Basic deployment
through highly custom



Test & Recover

Runbook development,
testing & validation

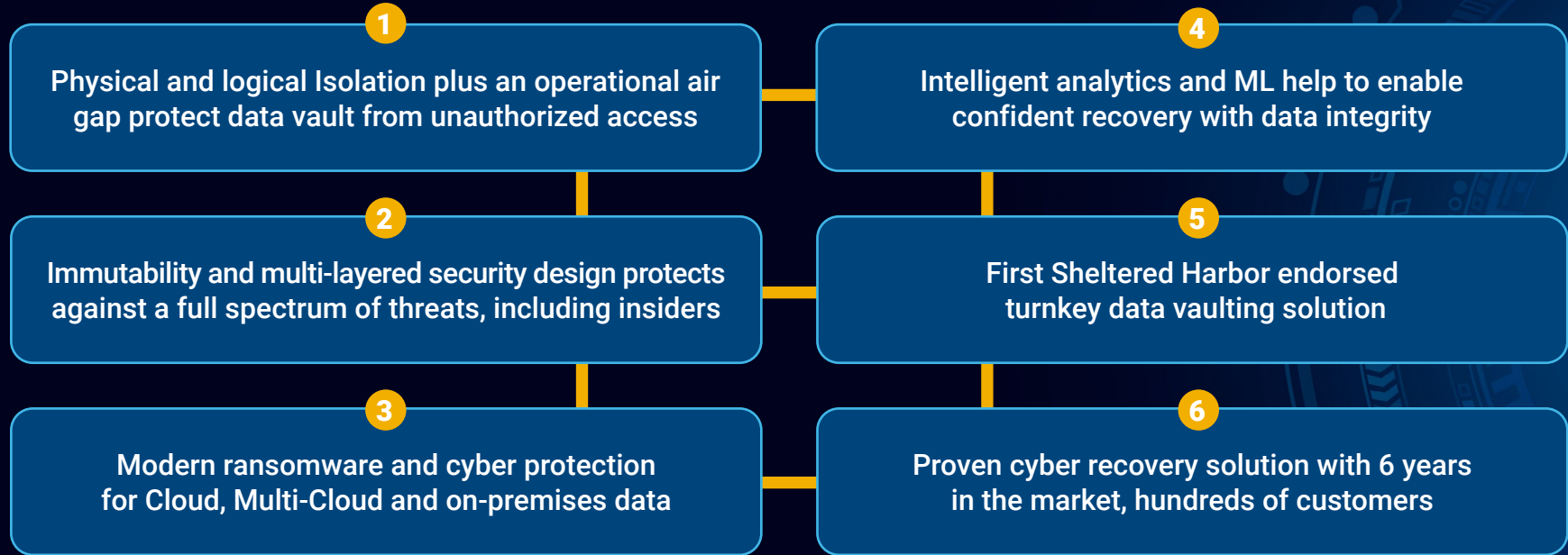


Operate & Manage

Operate and manage
the solution



Why PowerProtect Cyber Recovery



Learn more at DellTechnologies.com/CyberRecovery

