Bring resilience to your organization with Cyber Recovery: The last line of cyber defense

Cyberattacks are designed to destroy, steal or otherwise compromise your valuable data — including your backups. With cybercrime on the rise, the possibility that your organization will have to reckon with compromised data, lost revenue, reputational damage or costly regulatory fines is becoming an increasingly likely scenario. Backups and cyber protection alone are no longer sufficient. In addition to protecting your critical data, you must have a strategy in place for recovering it with assured integrity so you can quickly resume normal business operations after an attack.

Challenges in staying ahead of the cybercrime curve

- Rapid recovery is only possible if you've detected a threat early on — a challenge without advanced security technology.

- Even if you detect a threat quickly, you still run the risk of business disruption.

- The move to work-from-home scenarios has increased the risk of cyberattacks and exposed your data like never before.

- Identifying your enterprise's sensitive data, intellectual property and personally identifiable information (PII) and its exposure to risk is a monumental task.

- Adhering with local laws and regulatory requirements can be challenging.

- Lack of information security training and awareness can leave your staff open to creating vulnerabilities in your organization without realizing it, opening doors for malicious activity.

## Proactive Cyber Recovery tackles these challenges head-on

Cyber Recovery combines the deep domain expertise, contextual knowledge and service capabilities of Tata Consultancy Services (TCS) with essential cyber recovery technology from Dell Technologies to deliver cyber resilience to your organization. Protect your critical data and recover it with assured integrity with the Cyber Recovery solution, which includes these five crucial elements:

1. **Data isolation and governance** keep your data center environment restricted from unauthorized users and separate from your corporate storage infrastructure.

2. **A secure digital vault** keeps your automated data copies unchangeable, and **operational air gaps** secure your backup environment and the vault.

3. **Intelligent analytics and tools** run automatic integrity checks to detect if data has been compromised — and alert you with actionable recommendations if it has.

4. **Recovery and remediation tools** use dynamic restore processes to enable quick disaster recovery.

5. **Expert guidance** helps you determine your critical data and applications to ensure that all vital assets stay protected.

$5.2 trillion
of global value is at risk of a cyberattack over the next five years[1]
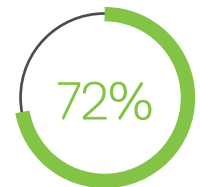
72%
increase in average cost of cybercrime in the past five years[2]

$4.24 million
was the average cost of a data breach per U.S. company in 2020[3]
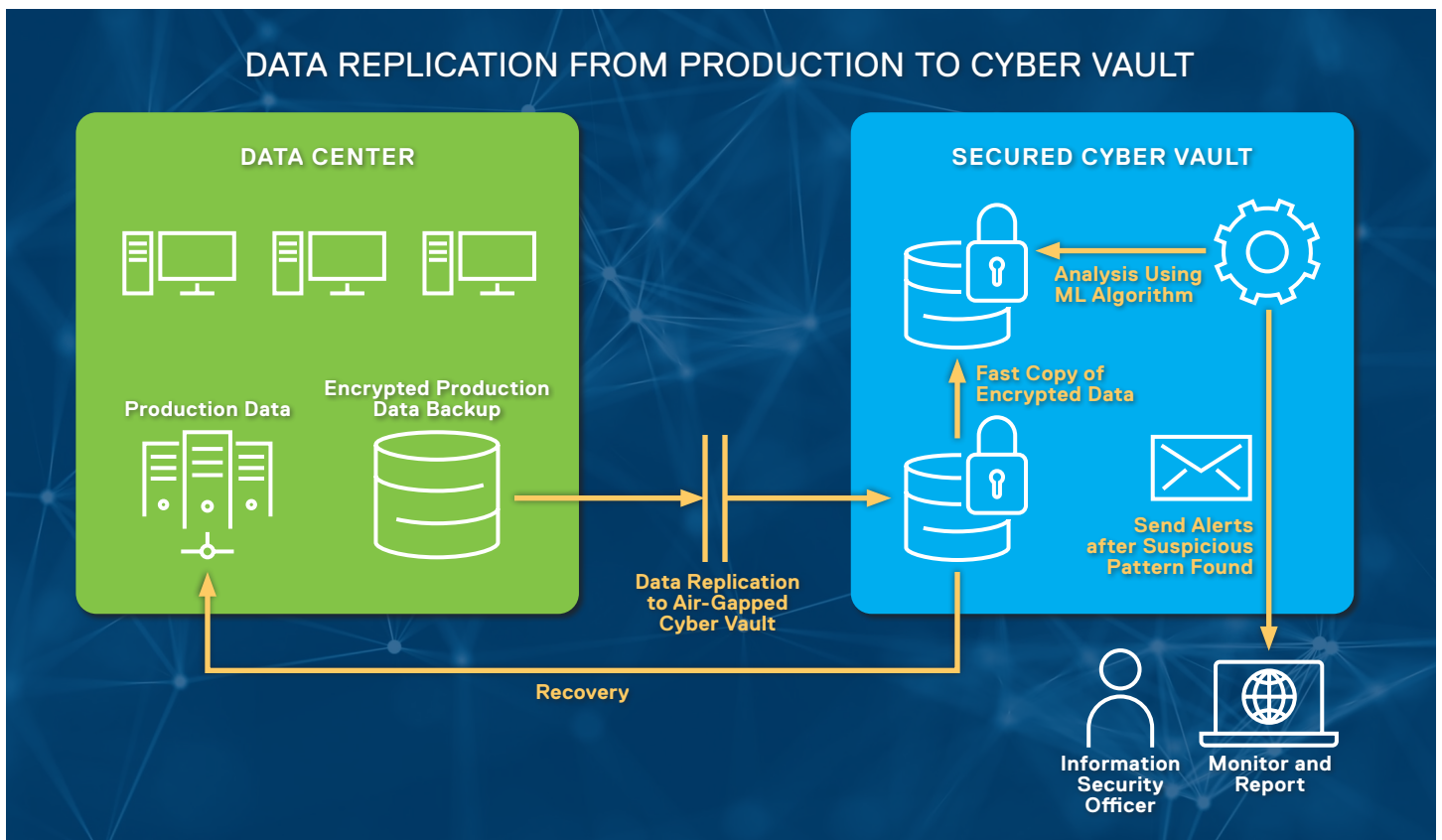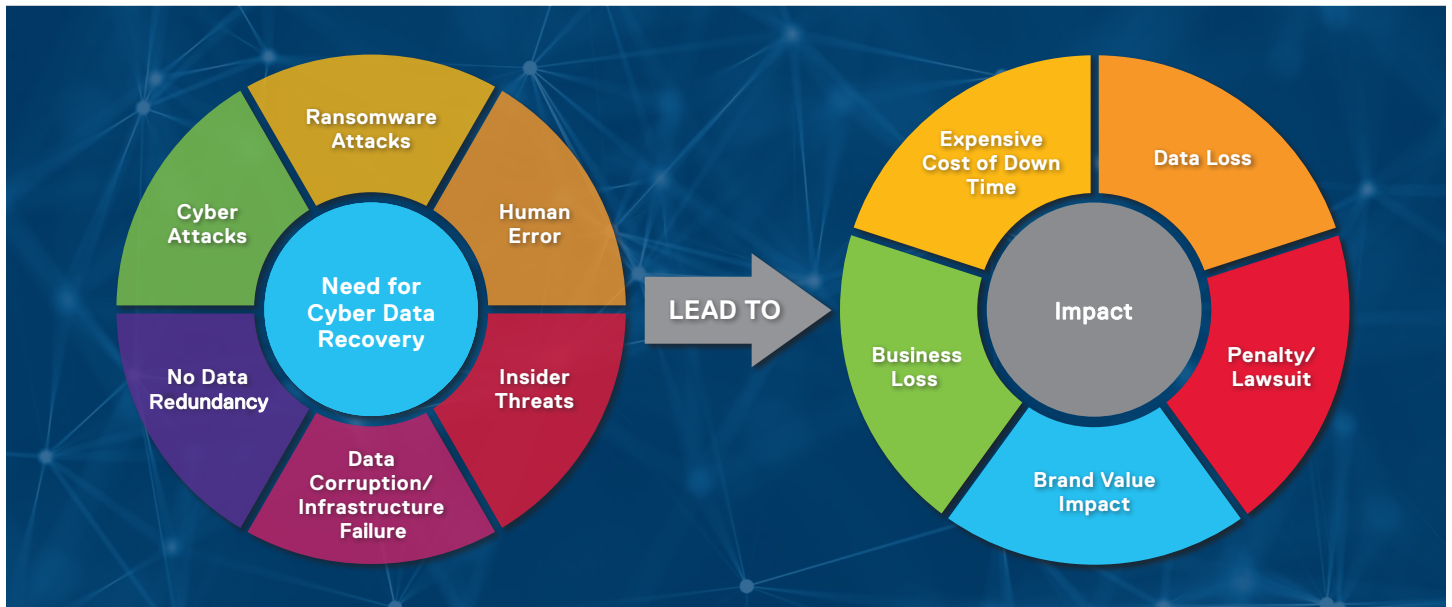
[1] Cybercrime Could Cost Companies US$5.2 Trillion Over Next Five Years, According to New Research from Accenture," Accenture, January 17, 2019,

[2] "The Cost of Cybercrime: Ninth Annual Cost of Cybercrime Study: Unlocking the Value of Improved Cybersecurity Protection," Ponemon Institute and Accenture, 2019,

[3] "Cost of a Data Breach Report 2021," Ponemon Institute, 2021

Minimize business disruption when ransomware strikes

With your vital assets copied and encrypted by Cyber Recovery from TCS and Dell Technologies, you'll reduce both business risk and disruption and achieve better recovery time objectives (RTO). When an attack occurs, Cyber Recovery processes act as your last-line-of-recovery mechanism — safeguarding your critical business data and protecting you from having to pay ransom. Your data remains in immutable, isolated storage while you enact your incident response plan to achieve rapid data recovery. You stay online and working, without suffering any lapse in compliance.

Need for Cyber Data Recovery
- Ransomware Attacks
- Human Error
- Insider Threats
- Data Corruption/Infrastructure Failure
- No Data Redundancy
- Cyber Attacks

LEAD TO

Impact
- Expensive Cost of Down Time
- Data Loss
- Penalty/Lawsuit
- Brand Value Impact
- Business Loss

DATA REPLICATION FROM PRODUCTION TO CYBER VAULT

DATA CENTER

- Production Data
- Encrypted Production Data Backup

Data Replication to Air-Gapped Cyber Vault

Recovery

SECURED CYBER VAULT

- Analysis Using ML Algorithm
- Fast Copy of Encrypted Data
- Send Alerts after Suspicious Pattern Found

Information Security Officer

Monitor and Report

Unique features of Cyber Recovery from TCS and Dell Technologies

A full assessment of your security posture. We conduct a consultative assessment to review the security strategy you have in place and evaluate where your greatest gaps lie. This step identifies your non-functioning security controls and considers legal and regulatory compliance requirements.

Identification of your critical applications. Pinpointing your critical services and applications allows us to map your applications backup to your infrastructure. This step establishes the data required for you to operate during a crisis, to ensure that your vital systems stay protected when an attack occurs.

Creation of an air-gapped environment. We set up an air-gapped recovery site that will contain a copy of your data. This recovery site, which features restricted access and immutable storage, can be deployed On-Premise or in a Hybrid Cloud or at a Service Provider — as per your business requirements.

Machine-learning analysis. We perform analysis using a machine-learning algorithm that detects anomalies based on learned benchmarks or patterns.

Regular drill performance. We test your business continuity and identify areas for ongoing improvement by continuously testing your environment for resilience.

Integration of your recovery process into your incident response plan. By integrating both recovery and incident response, your organization stands ready to proactively and quickly protect your data from malicious actors.

Support for end-to-end operational activities. Our full suite of managed services includes monitoring, managing, and maintaining hardware and software. We also perform day-to-day operations support including backup schedule monitoring, reporting, analysis, software upgrades, periodic re-assessment and recovery drill activities.

Ease of management with automation and orchestration. Rest easy knowing that your data recovery process is now automated — requiring no work from your IT team to support and maintain the Cyber Recovery solution.

About Tata Consultancy Services

Tata Consultancy Services is a purpose-led transformation partner to many of the world's largest businesses. For more than 50 years, it has been collaborating with clients and communities to build a greater future through innovation and collective knowledge. TCS offers an integrated portfolio of cognitive powered business, technology, and engineering services and solutions. The company's 500,000 consultants in 46 countries help empower individuals, enterprises, and societies to build on belief.

About Dell Technologies

Dell Technologies (NYSE:DELL) helps organizations and individuals build their digital future and transform how they work, live and play. The company provides customers with the industry's broadest and most innovative technology and services portfolio for the data era.

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