Comprehensive Prevention
of Malware-in-your-Backups
for the Enterprise

DATA2VAULT
SECURE DATA SERVICES

POWERED BY
Asigra.
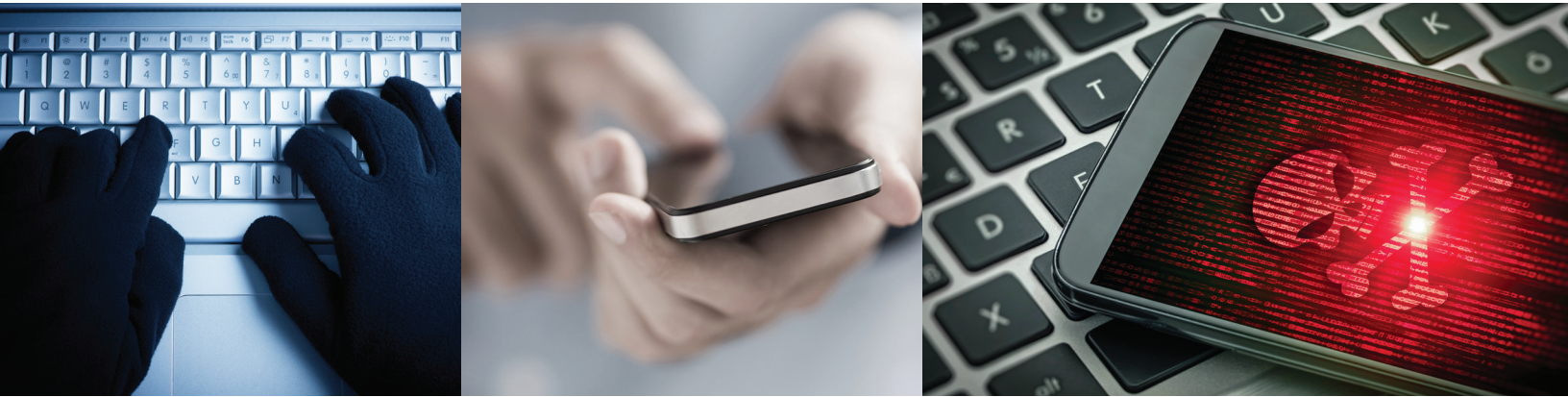
Would You Survive a
Ransomware-in-your-Backup Attack?

Ransomware is not a new phenomenon, yet, technological advancements by savvy cyber-criminals have totally changed the game. Attacks used to be random…criminals would send millions of malware infections (either via phishing emails/malicious links) to see which end-user would open the file to encrypt an organisation's data. Trends are showing that while these types of attacks are still occurring, targeted attacks are becoming much more dominant because organisations are much more likely to pay the bitcoin figure to have their business critical data released.

There are currently three types of ransomware attacks prevalent today:

1

Spray and Pray Attacks

These type of attacks (e.g. Locky, Petya and WannaCry) are large in scope and choose victims at random to see which end-user will click on a malicious link to encrypt files.

The Solution: *For spray and pray attacks:* BACKUP *regularly because organisations can always revert previous version histories that aren't encrypted. Test your recoveries.*

2

Deletion of Backup Repositories

These types of attacks (e.g. Samas) are typically deployed by Remote Desktop Protocols where cybercriminals steal domain credentials, look for unsecured servers and wipe all the files from the backup repository, then proceed with file encryption.

The Solution: *Keep a recent offline version of backup history; and implement a backup solution that has 2FA and allows you to change the names of the backup repositories. Our solution does both.*

3

Embedding Zero-Day Malware into Your Backup Repository

Whether you have the best backup solution, anti-virus protection, or versions of back up repositories, this next generation of ransomware is so advanced that none of that matters anymore. These types of attacks embed time-delayed undetected malware into your backup repositories sometimes in excess of 12 months. This makes file restoration pointless because as you recover your data the ransomware re-ignites and re-encrypts the data all over again. This is known as the **Attack-Loop™**.

The Solution: *Powered by Asigra – Your only solution against unknown threats, malware and zero-day vulnerabilities in your backup and recovery stream.*

Introducing the
Cyber-Generation of Data Protection

Our Attack-Loop™ Prevention Solution

Our comprehensive malware-in-your-backup(s) solution offers:

Attack-Loop™ Prevention:

Our cyber-enabled data collector (DS-Client) stops unauthorised code from penetrating your backup and recovery streams.

Prevents malware in new backups, and stops malware from being recovered from older backups.

Zero-day Exploit Protection:

Our signature-less technology checks and quarantines malicious code upon entry into the backup repository and prior to recovery into your environment.

Two Factor Authentication (2FA):

This extra layer of security prevents the unauthorised deletion of backup repositories.

Variable File Naming Conventions:

Viruses looking for specific file names to attack will not find them. Our solution allows you to rename your file repositories in non-standard formats to prevent recognition and deletion of your backups.

Our solution also includes…

Enterprise Data Protection
- Regardless of size or complexity, we ensure your organisation's data will be recovered back to any point-in-time and on any endpoint device.

Cloud SaaS Protection
- We protect and recover data within SaaS based apps (e.g. G Suite, Salesforce.com, Office 365) regardless of where the data resides.

Business Continuity/Disaster Recovery Solutions
- Our disaster recovery solution reduces downtime from hours to minutes ensuring business continuity across all organisational units.

Compliance Management
- Being NIST FIPS 140-2 validated allows you to efficiently archive, restore and wipe data to ensure your adhering to regulatory compliance.

Mitigate your Risk

Advanced Data Protection is about applying layers of safeguards to combat existing and emerging threats. To complement the **Attack-L∞p**™ solution we can offer a unique Data Loss Insurance service, provided by authorised brokers and underwritten by Allianz. For more information visit our website.

About Data2Vault

Data2Vault executives and staff have been involved in the secure data protection market since before 2005 as a certified Asigra Service Provider throughout this time. Our philosophy is simple, security must be at the core of the data protection services we offer, and no one size service fits all.

Our objective is to always deliver the data protection services that your organisation needs, securely and in the way that you need it provided. As those needs evolve, then so must our service delivery models, while always retaining a consistent focus on security and management of risk wrapped up in a high quality service.

We operate from a number of UK Data Centres providing high availability and continuity of service. The Data Centres are all ISO9001, ISO27001 and ISO14001 certified, the Internet services we use are highly resilient and can scale as required to ensure we have no single point of failure.

To find out more about our solution, visit our website.

About Asigra

Trusted since 1986, Asigra provides organizations around the world the ability to recover their data now from anywhere through a global network of partners who deliver cloud backup and recovery services as public, private and/or hybrid deployments. As the industry's first enterprise-class agentless cloud-based recovery software to provide data backup and recovery of servers, virtual machines, endpoint devices, databases and applications, SaaS and IaaS based applications, Asigra lowers the total cost of ownership, reduces recovery time objectives, eliminates silos of backup data by providing a single consolidated repository, and provides 100% recovery assurance. Asigra's revolutionary Recovery License Model® provides organizations with a cost-effective data recovery business model unlike any other offered in the storage market. In 2015, Asigra Cloud Backup was named the **Top Enterprise Backup Solution** and achieved silver in Storage Magazine's **Products of the Year**.

More information on Asigra can be found at www.asigra.com

MALWARE-IN-YOUR-BACKUP
Attack-L∞p™
Prevention.