zadara + Arrosoft SOLUTIONS + AirGap

THE AIRGAP THAT RANSOMWARE CANNOT BREACH

Protect business continuity with unique multi-layer security in a simple, flexible managed solution

MAKING BEST-PRACTICE RANSOMWARE PROTECTION ACCESSIBLE

Ransomware attacks are a major risk to business continuity today. Research shows a new business is hit by ransomware every 10 seconds, while the financial impact of global cybercrime will reach US $10.5 trillion by 2025.[1]

Cybersecurity best practices suggest a range of disaster recovery (DR) measures to prevent and mitigate ransomware attacks. These include keeping multiple backups on and off site, replicating critical data, encrypting data, and air-gapped backup. An air-gapped backup is not connected to a network, so cannot be reached by hackers.

However, enterprises of all sizes face challenges in implementing DR solutions. IT teams are often too busy with operational tasks, or missing specialized skills, or lacking the budget needed to use best practices. This leaves the business vulnerable to ransomware attacks.

Arrosoft AirGap is designed to help you address these risks and challenges, by combing unique technologies from Arrosoft and Zadara. Arrosoft AirGap is a managed service that does not require a large capital investment or specialist cybersecurity skills to deploy. Customers benefit from transparent monthly billing, technical support, and flexibility to scale as backup data grows.

SOLUTION HIGHLIGHTS

SOLVE TODAY'S RANSOMWARE CHALLENGES

- Gain unique, multi-layered protection against ransomware

- Quickly restore the production environment from clean, air-gapped replication data

- Move from large up-front payments to affordable, transparent monthly billing

- Remove the need for specialized skills

DANGERS OF RANSOMWARE

- Disrupted operations

- Financial losses

- Damage to brand and reputation

- Loss of trade secrets

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Ransomware hits a new business every 10 seconds
Forbes 2021

The financial impact of global cybercrime will reach US$10.5 trillion by 2025
Forbes 2021

AIR-GAPPED REPLICATION WITH MULTI-LAYER SECURITY

The Arrosoft AirGap provides a unique, multi-layered line of defense against ransomware attacks. The solution connects to your network periodically to take a snapshot of critical systems and replicate the data to the AirGap backup. Data is offline and fully isolated from the production environment.

Multi-layered security protects and simplifies, enabling the business to:

- **Guard against credentials theft** by requiring two authorized personnel to authenticate AirGap management (multi-factor authentication) and a physical presence at the vault to authorize restoration.

- **Automatically monitor and detect** unusual snapshot change rates, which indicate suspicious activity. The AirGap backup is locked down and IT is alerted if an anomaly is detected.
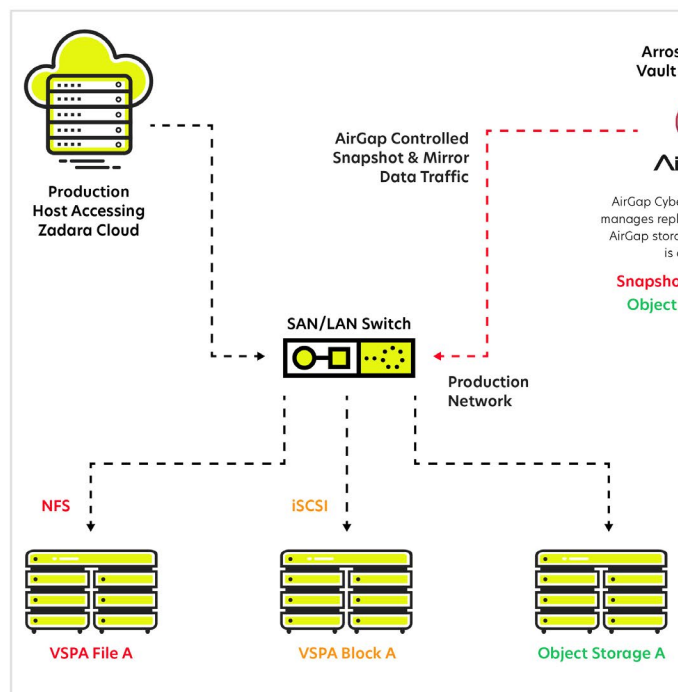
- **Apply zero-trust principles** where no outside resource holds permission to access the network. Network ports are opened for replication at random times, so there are no timing patterns for attackers to learn.

- **Safely restore a complete, clean backup** to production after an attack. The anomaly detection timeline identifies the most recent clean AirGap replication data.
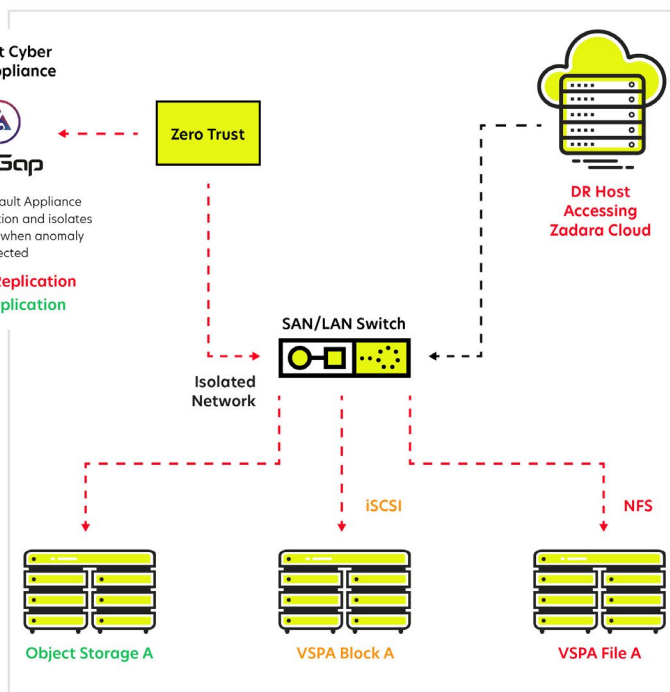
- **Easily integrate with your storage arrays** using existing Zadara Edge Cloud API calls.

In a scenario where a ransomware attack disables access to production data, the environment can be quickly restored from highly secure, clean replication data.

PRODUCTION SITE

DR SITE

Production Host Accessing Zadara Cloud

Arrosoft Cyber Vault Appliance

AirGap

AirGap Cyber Vault Appliance manages replication and isolates AirGap storage when anomaly is detected

Snapshot Replication
Object Replication

AirGap Controlled Snapshot & Mirror Data Traffic

Zero Trust

DR Host Accessing Zadara Cloud

SAN/LAN Switch

Production Network

SAN/LAN Switch

Isolated Network

NFS

iSCSI

iSCSI

NFS

VSPA File A

VSPA Block A

Object Storage A

Object Storage A

VSPA Block A

VSPA File A

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FLEXIBLE STORAGE

Arrosoft AirGap leverages Zadara Edge Cloud technologies to provide additional data protection and flexibility.

Customers can:

- **Know replication data cannot be tampered with.**

- **Simplify data management** with a single platform that supports any data type (object, file, or block) and any protocol (NFS, CIFS, FC, iSCSI, S3, and more).

- **Efficiently protect growing data** with transparent monthly storage costs and flexibility to scale without limits.

NEXT STEPS

Protecting the enterprise against ransomware can be technically challenging, costly, and a strain on IT resources. Arrosoft AirGap is a fully managed service that simplifies adoption of best practices and delivers unique multi-layer security. With the flexibility and innovation of Zadara Edge Cloud technologies, customers can deploy and run this solution with extreme cost efficiency, gain additional protection, and meet all backup needs in one simple platform.

ARROSOFT SOLUTIONS

Arrosoft Solutions helps enterprises across the globe to protect their data, store it efficiently, keep critical data and applications online, and satisfy retention and eDiscovery requirements, while increasing productivity, improving performance, reducing cost, and minimizing risk.

ABOUT ZADARA

Since 2011, Zadara has been a disruptor in the technology space, pioneering the first storage-as-a-service technology solutions. Today, Zadara's Cloud Services platform brings award-winning infrastructure technology, including compute, storage, and networking, to where customers need it most.

[1]Forbes (March 2021). Alarming Cybersecurity Stats: What You Need To Know For 2021. https://www.forbes.com/sites/chuckbrooks/2021/03/02/alarming-cybersecurity-stats-------what-you-need-to-know-for-2021/

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Zadara is enterprise storage made easy.
Any data type. Any protocol. Any location.

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