STONEFLY DR365 VEEAM-IMMUTABLE VEEAM-AIR-GAPPED (VIVA)

Physically isolated and highly secure air-gapped nodes for advanced ransomware protection.

WHAT IS AIR-GAPPING?

Air-gapping is an advanced data protection feature used to isolate target storage volumes from unsecure networks, production environments, and host platforms to protect from threats such as ransomware attacks, virus, accidental/malicious deletion, and other disasters.

In other words, air-gapped volumes are inaccessible to applications, databases, users, and workloads running on the production environment.

Air-gapped volumes can be set up on-premises and in the cloud. Storage administrators can set policies to automatically isolate the volumes.

WHAT ARE AIR-GAPPED NODES?

Air-gapped nodes are physical backup and disaster recovery appliances purpose-built to provide air-gapping and immutability for your critical backups, snapshots, and replicas.

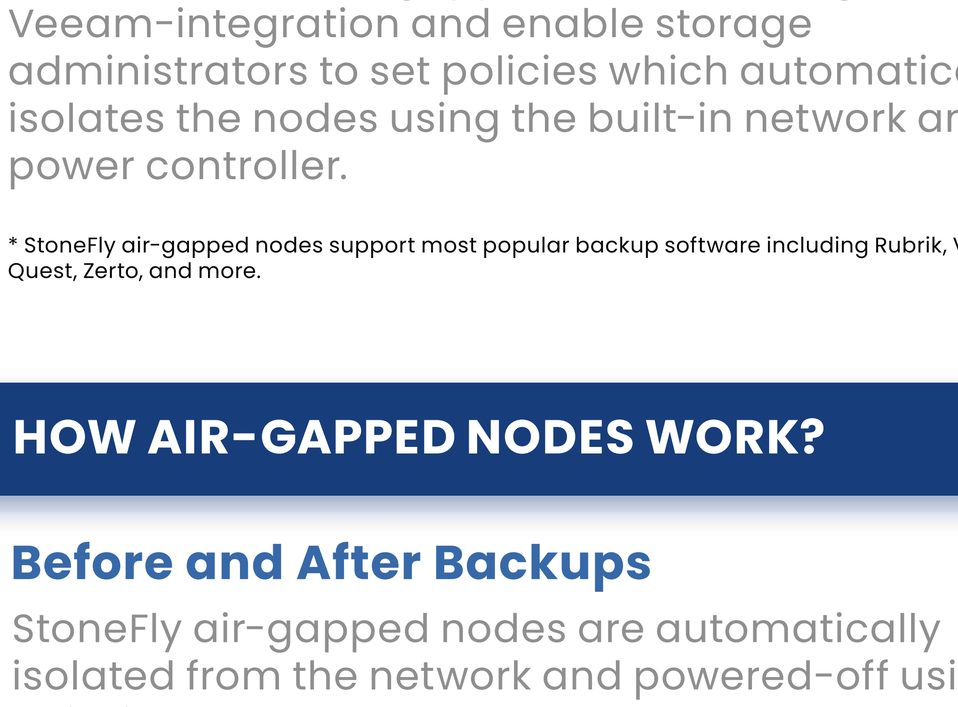
The DR365VIVA air-gapped nodes leverage Veeam-integration and enable storage administrators to set policies which automatically isolates the nodes using the built-in network and power controller.

* StoneFly air-gapped nodes support most popular backup software including Rubrik, Veritas, Quest, Zerto, and more.

HOW AIR-GAPPED NODES WORK?

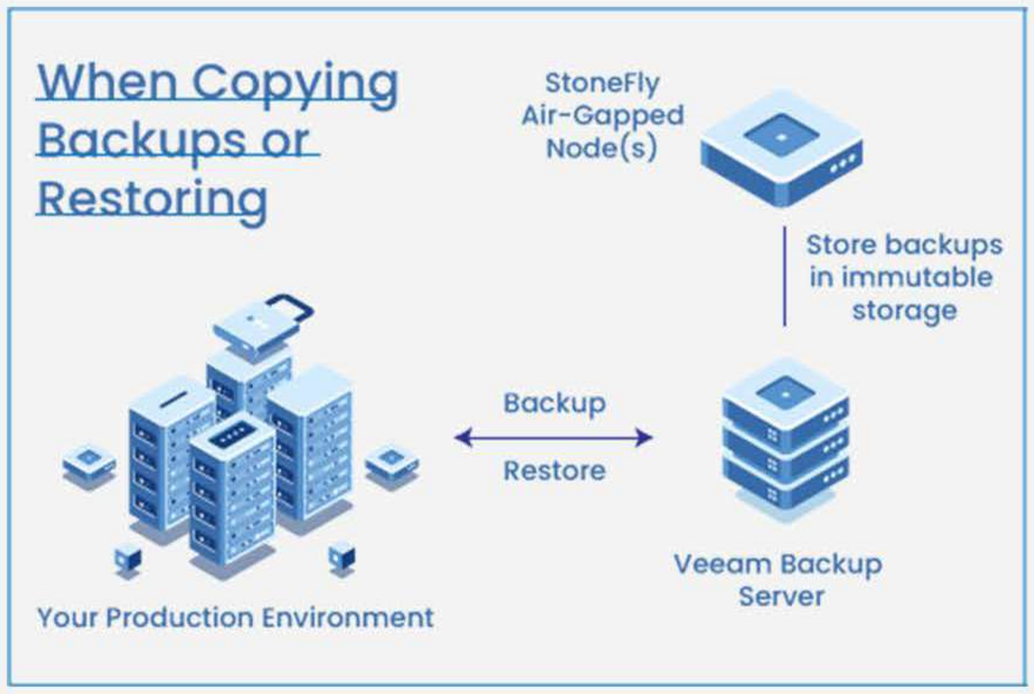
Before and After Backups

StoneFly air-gapped nodes are automatically isolated from the network and powered-off using built-in network and power management.



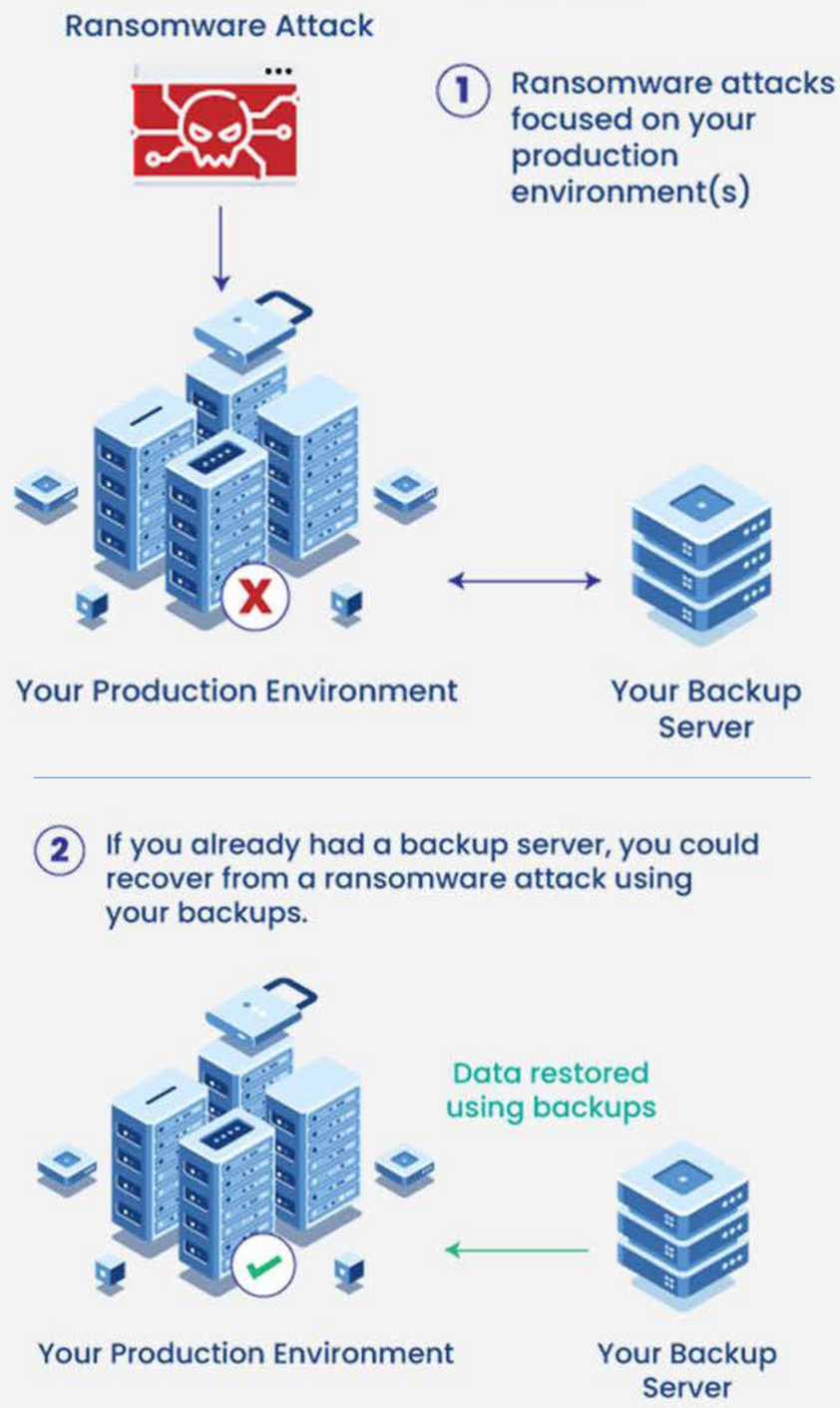
When Copying Backups

Air-gapped nodes are attached only when backups, snapshots, and replicas need to be copied to them or data needs to be restored from them.



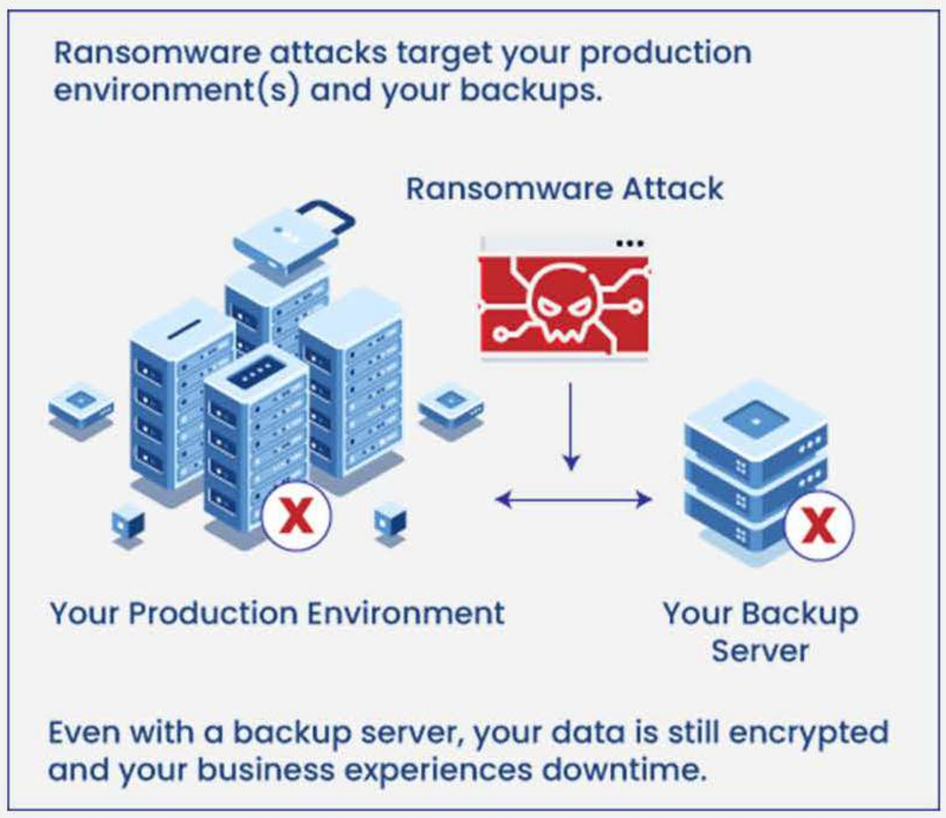
WHY DO YOU NEED AIR-GAPPED NODES?

In the past, ransomware attacks focused only on your production environment. If you already had a backup server, then the backups helped recover from a successful attack.



Ransomware Attacks in the Past

However, ransomware has evolved. Today, ransomware attacks **your data and your backups**. Even the best backup servers are rendered useless, if the backups are insecure and always accessible using the same network.

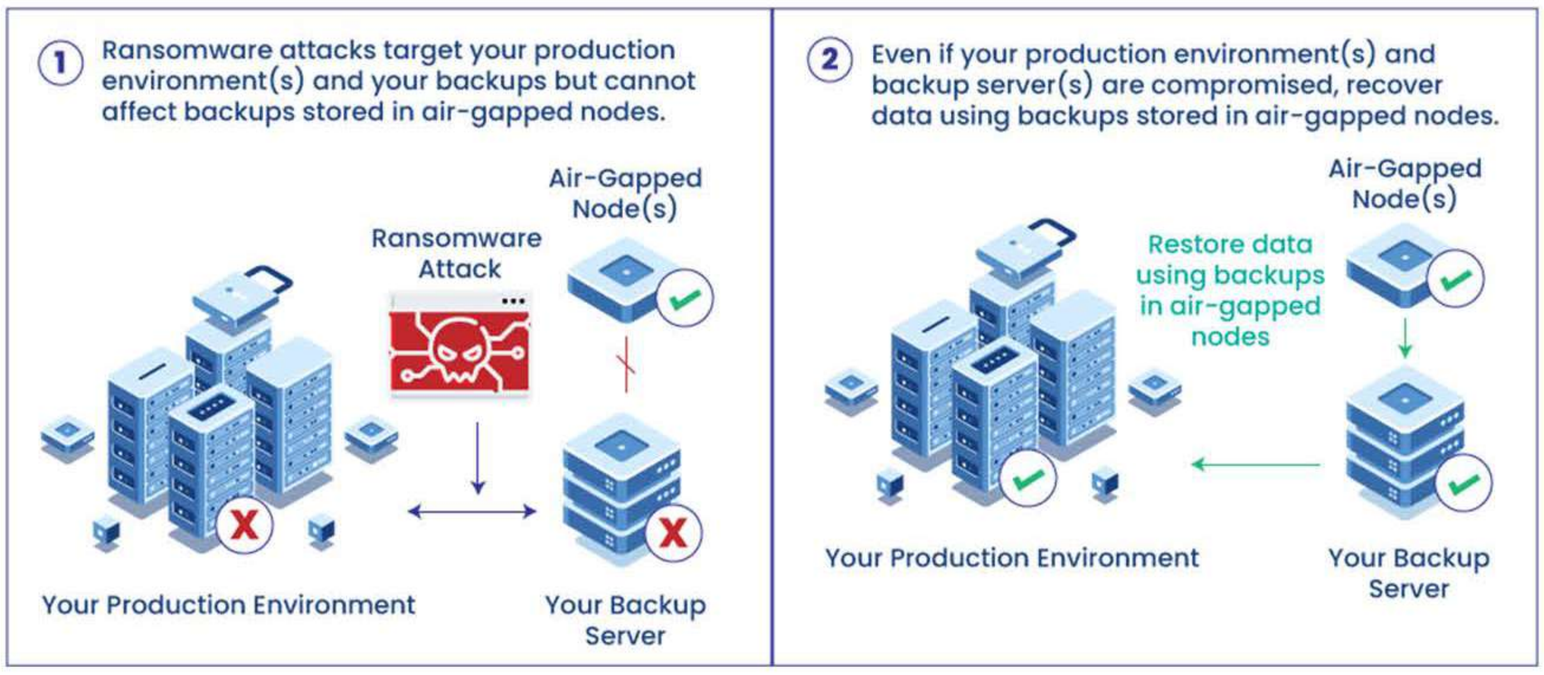


Ransomware Attacks Today

How Air-Gapped Nodes Protect Your Data from Ransomware Attacks

Backups stored in air-gapped nodes are isolated from your network and inaccessible. In the event of a successful ransomware attack, even if your production environment and your backup servers are encrypted, the data stored in air-gapped nodes remains inaccessible and safe. As the air-gapped nodes are isolated from the network, ransomware cannot access and therefore encrypt the backup copies stored in them.

After cleaning up your production environment & your backup servers, you can restore data using the backup copies in air-gapped nodes; effectively reducing Recovery Time Objectives (RTOs) and ensuring business continuity.



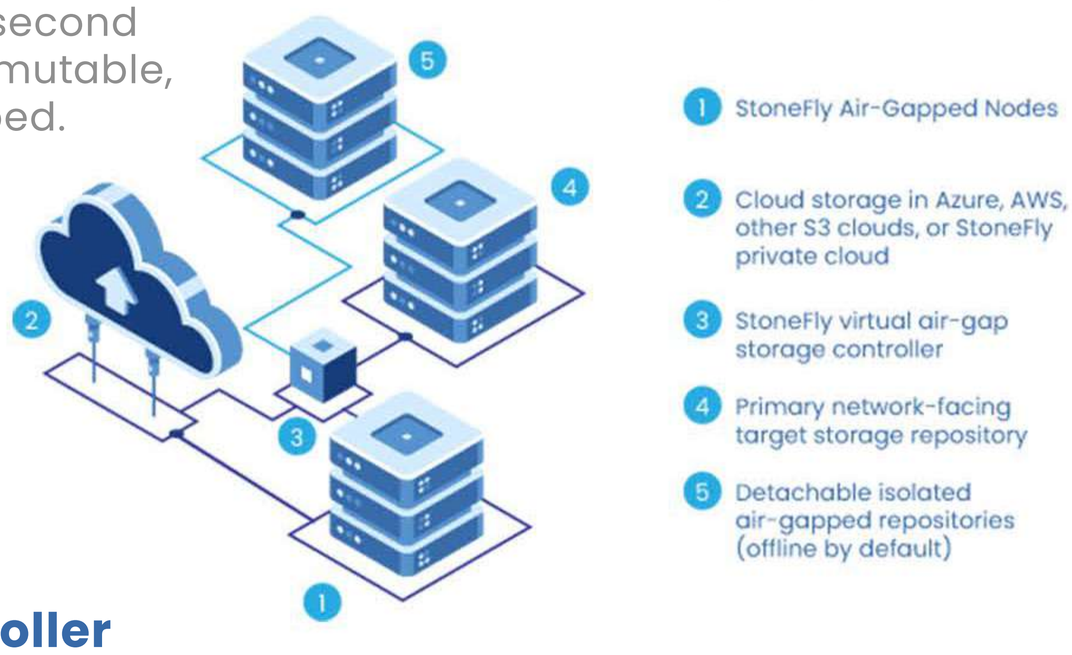
DATA PROTECTION FEATURES OF STONEFLY AIR-GAPPED NODES

StoneFly air-gapped nodes offer two deployment options for air-gapping:

- Air-gapped repositories
- Air-gapped controller

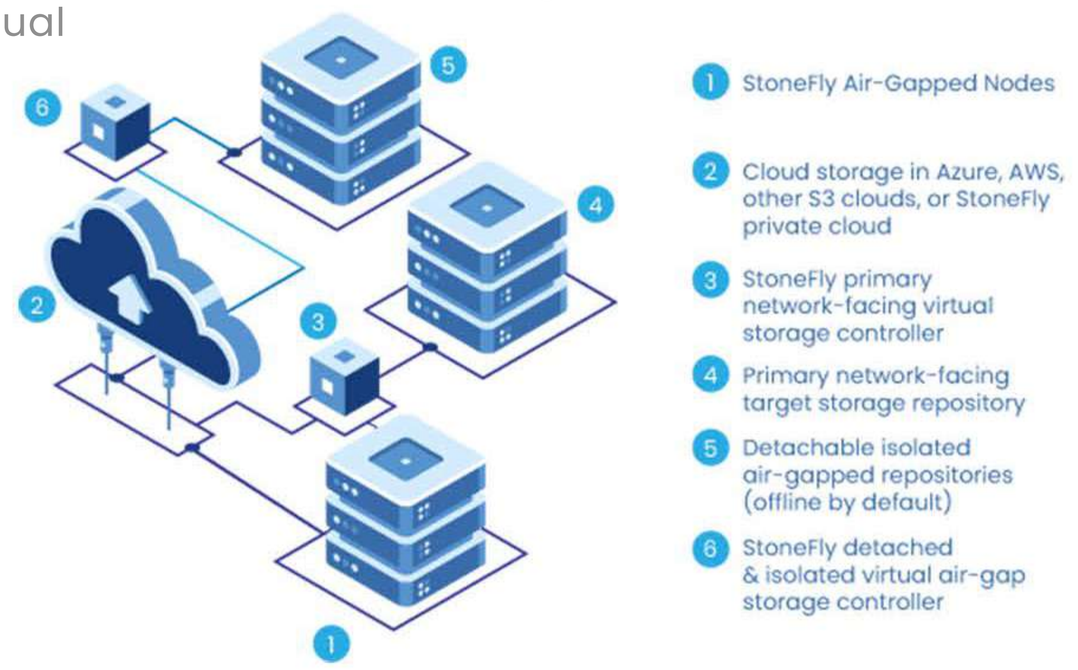
Air-Gapped Repositories

Air-gapped repositories consist of one virtual storage controller connected to two target storage repositories. One target repository is network-facing, always accessible and available to user-groups, applications, etc. The second target repository is immutable, isolated, and air-gapped.



Air-Gapped Controller

Air-gapped controllers consist of two virtual storage controllers connected to one target repository each.
One pair of virtual storage controller and target repository are network-facing, always accessible and available to user-groups, applications, etc.
The second pair of virtual storage controller and target repository are immutable, isoalted, and air-gapped.



ADDITIONAL DATA PROTECTION FEATURES

The following data protection features are also preinstalled in StoneFly air-gapped nodes:

- Immutable delta-based snapshots
- Write-Once Read-Many (WORM) repositories
- Anti-virus and anti-ransomware
- Threat scan for dormant malware
- AES 256-bit encryption
- S3 object lockdown

BUILT-IN STORAGE OPTIMIZATION FEATURES

In addition to data protection features, the air-gapped nodes also offer the following data services:

- Deduplication for NAS, SAN, and S3 object volumes.
- Thin provisioning.
- FlashCache – SSD caching.
- Automated storage tiering.
- Sync and async replication.
- Cloud connect to public clouds (Microsoft Azure and AWS) and StoneFly private cloud.

ABOUT STONEFLY, INC.

StoneFly Inc., headquartered in California, was founded to deliver upon the vision of simple and affordable storage optimization and disaster recovery protection through IP SAN solutions. StoneFly is a leading manufacturer of high-performance network-attached storage (NAS), storage area networks (SAN) – iSCSI systems, hyperconverged systems, and RAID systems. StoneFly's range of enterprise products also includes cloud storage solutions, cloud storage gateway solutions, and data migration services for enterprise workloads.

PROTECT YOUR BACKUPS WITH STONEFLY AIR-GAPPED NODES!

For more information, demos, and quotes, contact us:

Phone: +1 510 265-1616
Email: sales@stonefly.com
Website: https://stonefly.com