



Ransomware Defender AirGap 2.0

Product Datasheet

The Ransomware Defender AirGap Basic and Enterprise module offers the most secure data protection option to maintain an offline copy of data to comply with NIST Cybersecurity Framework

Superna Eyeglass©

Ransomware Defender

The add-on solution to Ransomware Defender enables maximum data protection with a fully automated cyber vault. Available in 2 configurations

Basic and **Enterprise** that offers two levels of protection to maximize your investment in Powerscale.

Ransomware defender upgrade to a cyber vault complete your compliance with the NIST cybersecurity framework best practices.

Key Features

1. Available with inside or outside the vault automation.
 - a. Enterprise Airgap - Inside the vault hardened solution offers inband management and full automation from a VM within the cyber vault.
 - i. Leverages SmartAirgap technology to only sync data when it's safe to replicate.
 - b. Basic Airgap - Outside the vault enables a lower cost secure solution with end to end automation.
2. The only < 2 hour rapid recovery solution for PB's of file data.
3. Protects Powerscale critical configuration data in the vault (Shares, NFS exports, quotas)
4. Many to one support for protection of multiple source clusters to a single Vault cluster.

Ransomware Defender Compliance with NIST Key Framework Attributes



Framework Attribute	How Ransomware Defender Complies	Compliance Status
Identify	Threat identified by user name and IP address	Compliant
Protect	Stops the threat with user lockout in real time	Compliant
Detect	User behavior based, tripwire and well known extension detection	Compliant
Respond	Alerting email, syslog and automated snapshot creation	Compliant
Recover	File level tracking and snapshot data recovery	Compliant





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5. Supports multiple distributed cyber vaults managed from a single pane of glass.
6. **Powerscale** offers the lowest cost cyber vault protected offline copy of data with space efficient block differential snapshots, block level replication and immutable snapshots with automated data retention management.
7. **Flexible data protection** - Select data protection by path with custom replication policies managed by Ransomware Defender. Protect all or a subset of your production data.
8. **AirGap AnyWhere** - The source of the AirGap copy can be production or the DR cluster copy of data. Allows maximum flexibility for deploying your cyber vault.
9. Flexibility network options using layer 3 or layer 2 between production and Vault cluster
10. Physical Airgap fiber cutter option to offer the highest level of equipment isolation
11. Ransomware Defender manages the network between the production cluster and the vault cluster.
12. **Smart Airgap** - The only solution on the market that blocks updates to the vault copy if the source data is under threat with realtime zero trust user behavior monitoring.
13. **Smart AirGap** custom policies allow **Easy Auditor** integration to enable real time policies to determine the criteria to open or close the cybervault.
14. **Fully Automated Cyber Vault**- daily reporting on synced data, inband vault cluster hardware monitoring.
15. **Golden Copy** Integration for File to object aware secure copy to offsite S3 cloud storage. Allows Golden Copy to pause backups if the source data is under attack.
16. **RBAC Role for AirGap**
17. Management
 - a. No back door to manage vault equipment



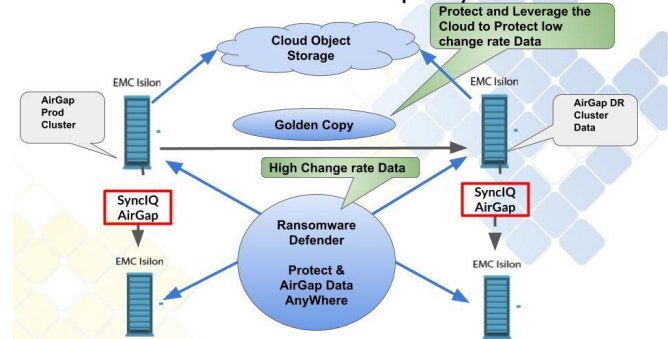
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- b. Inband log gather on vault cluster for Dell support
- c. Alarm collection and forwarding inband
- d. Disk space management
- e. Vault agent log push
- f. All management and monitoring is available in the Ransomware Defender console

Ransomware Defender AirGap AnyWhere

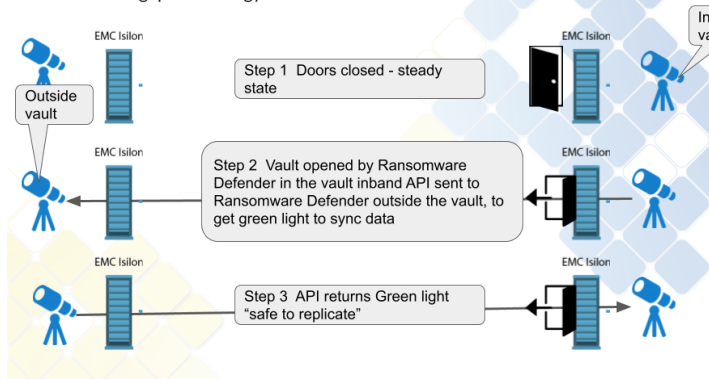


Visit the product page at

<https://www.supernaeyeglass.com/ransomware-defender>

Contact us at sales@superna.net

Inside the vault Airgap deployment option with Smart Airgap Technology



2 AirGap Solutions

1. **AirGap Basic** - Reduced Infrastructure requirements Virtual Airgap opens and closes from outside the vault.
 - a. Dedicated AirGap role
 - b. Daily AirGap reporting emails
 - c. Inband Management of the Vault cluster hardware
 - i. NO back door management network required
 - d. Automated scheduled AirGap replication managed by Ransomware Defender
 - e. Smart AirGap feature
 - f. Scalability: Layer 3 IP AirGap network requirement limited to single source cluster protection
2. **AirGap Enterprise** - Requires additional infrastructure in the vault to support Inside the vault automation. Adds the following Enterprise Features
 - a. **Security Enhancement:** Inside the vault VM automation, removes the Vault cluster from the network with a complete IP stack disconnect, new hardened VM deployed inside the vault
 - b. **Scalability:** Supports fan in to protect multiple source clusters over a layer 2 AirGap network
 - c. **Data Immutability:** Smartlock immutable copies of AirGap data for additional protection option. Automatically manages Smartlock of data
 - d. **Integration with Golden Copy** Manage, Protect, and Secure Unstructured Data at Scale