

# StorageGuard

The tactics being used by ransomware groups have changed. And it puts organizations' storage and data protection environments at major risk.

The attackers realize that an attack on the storage or data protection environment is the single biggest determining factor to show if the organization will pay the ransom.

StorageGuard provides security hardening for all storage and data protection systems, to improve your security posture, enable cyber-resiliency, and meet IT audit requirements.

For the first time, get complete visibility of security risks across these mission-critical systems, and ensure compliance with security regulations and industry standards.

## Discover

Continuously analyzes your storage & data protection systems, to automatically detect security misconfigurations and vulnerabilities

## Prioritize

Prioritizes those risks in order of urgency and business impact

## Remediate

Provides clear security remediation commands and guidance, which can be integrated into your IT service management and SIEM workflows

StorageGuard improves the ransomware-readiness and overall security posture of your storage and data protection systems. We reduce the effort required by IT operations and storage teams to develop and enforce security policies, prove compliance for audit, and chase down false positive CVE alerts raised by tools that aren't storage-aware.

- Ensure your storage and data protection systems are continuously hardened, to withstand ransomware and other cyberattacks
- Eliminate manual security validation efforts, and continuously validate against your security baseline
- Eliminate configuration drift – by tracking security configuration changes
- Leverage remediation guidance to speed time-to-resolve
- Meet IT audit requirements, providing evidence for compliance

StorageGuard provides broad storage and data protection system support, and an extremely wide knowledge-base of automated checks, built on industry standards (e.g., NIST, ISO, and CIS), regulatory frameworks (PCI/DSS), and Dell best practices. This makes it easy to audit and report on security misconfigurations and vulnerabilities across your entire storage and data protection infrastructure.

The screenshot displays the StorageGuard web interface. At the top, a dark blue header contains the StorageGuard logo on the left and the user profile 'Yaniv Valik' on the right. Below the header, a navigation bar shows the current page path: 'Home > [DSA-DataDomain]: K080CI00P183: Protected recovery copies > ...'. The main content area features a prominent alert card for 'DataDomain njlab5294-mgt: File retention lock option is disabled.' The alert includes a severity indicator 'High Urgency', an 'Error' status, and an 'Open' status. The description section is circled in blue and contains the following text: 'The retention lock functionality of Dell EMC Data Domain provides data immutability and ensures data backup copies retention period - not even by the application or user that stored it. Retention Lock is status: disabled'. The impact section states: 'malicious actor gaining access to storage and/or backup systems or applications will be able to delete data. Data recovery following a ransomware attack will not be possible without valid data backup copies.' To the right of the alert card, there are sections for 'Notes' and 'Resolution'. The 'Resolution' section contains a code block with the following commands: 

```
mtree retention-lock set min-retention-period {param1} mtree {param2}
mtree retention-lock set max-retention-period {param3} mtree {param4}
system retention-lock compliance configure #reboots the system
# param1 min period (example: 1min, 1hr, 1day, 1mo, 1year)
# param2 mtree name
# param3 max period (example: 1min, 1hr, 1day, 1mo, 1year)
# param4 mtree name
```