

# Better Together: Elastio Ransomware Recovery Assurance Platform & AWS Backup

## Elastio

- **Enhanced Ransomware Detection:** Elastio's AI/ML-driven deep file inspection adds a layer of security, detecting ransomware that traditional methods might miss.
- **Seamless Integration:** Elastio integrates agentlessly with AWS, ensuring continuous monitoring and scanning of backups without disrupting existing workflows.
- **Comprehensive Forensics:** Elastio provides detailed alerts and forensics, including the last known clean recovery point and specific infected file locations, aiding in quick and effective response.
- **Compliance Support:** Integration helps meet compliance requirements by ensuring backups are regularly scanned for ransomware, aligning with standards like NYDFS, NIST CSF, and DORA.
- **Minimized False Positives:** Elastio's advanced detection model maintains a low false positive rate, enhancing the reliability of ransomware detection within AWS environments.

Elastio Ransomware Recovery Assurance Platform (Elastio Platform) and AWS Backup provide the ultimate solution for ensuring clean and reliable recovery from ransomware attacks.

AWS Backup is a fully managed service provided by Amazon Web Services that centralizes and automates data protection across various AWS services and hybrid workloads. This comprehensive solution simplifies backing up data at scale, offering a range of features designed to enhance data security and streamline backup management.

Ransomware attacks are becoming increasingly prevalent, exposing vulnerabilities in traditional security measures. These sophisticated threats employ advanced techniques to evade detection, including encryption, polymorphic code, and fileless malware that operates in memory.

## Attack Vectors and Vulnerabilities

Ransomware attackers employ sophisticated methods that challenge user detection, with zero-day vulnerabilities providing additional opportunities to bypass security systems. Deep data inspection is crucial for detecting and recovering from ransomware attacks, helping identify subtle indicators, and determining data safety before recovery.

## Comprehensive Solution: Elastio Platform Integration

Elastio Platform integrates with backup solutions for on-premises and cloud protection, offering key features such as active monitoring, automatic scanning, change tracking, and retroactive scanning. This integrated approach provides a robust defense against evolving ransomware threats, enhancing data protection and recovery capabilities.

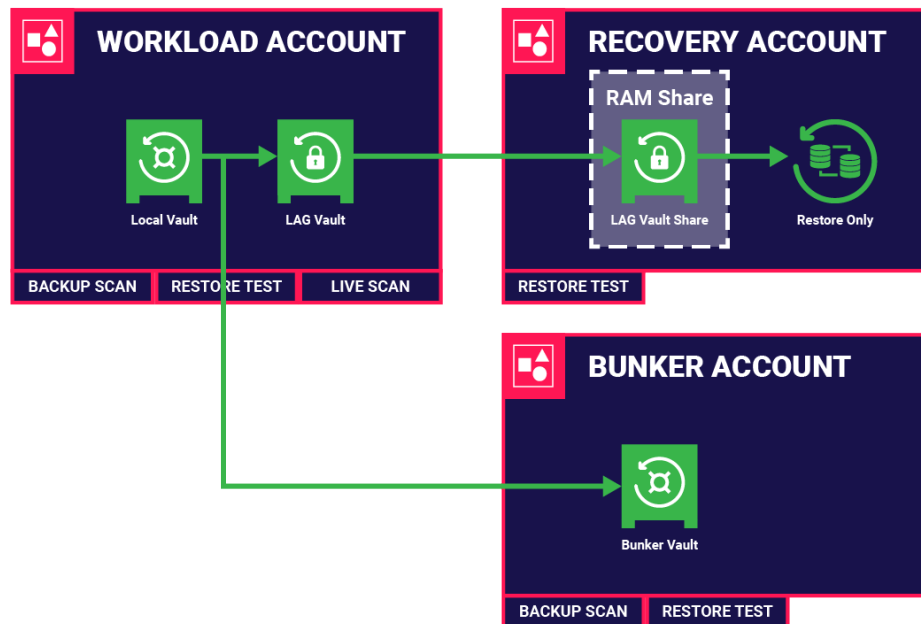
- **Active Monitoring:** Elastio Platform continuously monitors all protected data for ransomware and corruption.
- **Automatic Scanning:** New backups are scanned automatically based on predefined policies.
- **Change Tracking:** Elastio Platform tracks changes across backups to detect sophisticated attacks.
- **Retroactive Scanning:** Older or previously unscanned backups can be examined to ensure they are ransomware-free before recovery.

## Enhanced Data Protection and Recovery

Elastio Platform offers a robust solution for ensuring clean and reliable data recovery through:

1. **Immediate Detection:** Inspecting backup data to identify ransomware encryptions as soon as the data is backed up.
2. **Proactive Protection:** Scanning for malware binaries to prevent potential ransomware attacks.
3. **Trusted Recovery:** Enabling organizations to restore critical business processes with clean, ransomware-free data confidently.

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Combining these features, Elastio Platform provides a comprehensive solution to address the growing threat of ransomware attacks, offering organizations enhanced protection and peace of mind in their data recovery processes.

## Elastio Platform's Integration with AWS Backup

Elastio Platform seamlessly integrates with AWS Backup, offering comprehensive protection:

- Detects known malware and ransomware while the binary is still present.
- Identifies ransomware encryption activity, even for unknown or evolving threats.
- Reduces false alarms, providing precise and actionable alerts.
- Developed from reverse-engineering over 2,300 ransomware families.
- Achieves 99.99% accuracy in detecting unknown ransomware encryptions.

## Why Choose Elastio Platform

- **Proactive Protection:** Continuous scanning of every backup for immediate threat identification.
- **Actionable Intelligence:** Provides meaningful alerts to focus on genuine threats.
- **Multi-Layered Protection:** Identifies ransomware encryption activity beyond anomaly detection.
- **Seamless Integration:** Fits effortlessly into existing backup processes without operational disruption.

Combining AWS Backup's robust backup capabilities with Elastio Platform's advanced scanning and detection features can significantly enhance organizations' ransomware protection and recovery strategies.

## About Elastio Platform

Elastio Platform is a pioneer in Ransomware Recovery Assurance, offering advanced solutions to protect critical business data from sophisticated cyber threats. Powered by its AI-driven RansomwareIQ engine, Elastio Platform validates data integrity by detecting hidden ransomware across cloud and on-premises environments with 99.99% accuracy. Elastio Platform integrates effortlessly into existing workflows, providing multi-cloud and multi-backup protection, while its compliance-ready reporting supports adherence to regulations like NYDFS and DORA. Elastio Platform empowers organizations to minimize downtime, recover swiftly, and confidently combat modern ransomware threats by prioritizing data integrity and operational resilience.