

DSX for Cloud – Amazon S3

Secure your Amazon S3 data with DSX for Cloud – Amazon S3 and achieve preemptive cloud data security with real-time prevention and explainability of ransomware and unknown attacks.



Data is your most valuable asset. As digital transformation journeys continue, the volume of data transferred to the cloud has grown exponentially. This has drawn the attention of bad actors intent on accessing this treasure trove.

Cloud and NAS storage is especially at risk because legacy endpoint tools repositioned for storage security aren't up to the task. To make matters worse, bad actors are leveraging Dark AI to launch an array of sophisticated zero-day attacks. These threats bypass traditional security measures like signature-based anti-malware scanners and lurk – hidden and unaddressed – in your Amazon S3 storage until the infected files are opened, wreaking havoc.

DSX for Cloud – Amazon S3 is purpose-built to combat these threats. It provides preemptive cloud data security for your Amazon S3 buckets, ensuring real-time threat prevention, explainability of zero-day attacks, and comprehensive visibility of your S3 storage.

Using the power of deep learning, DSX for Cloud – Amazon S3 scans files in <20 milliseconds and prevents zero-day threats before they impact your production environments. It delivers enterprise-grade scalability with lightning-fast scan speeds and a low TCO, providing a comprehensive approach to antivirus scanning.

DSX for Cloud – Amazon S3 is natively integrated and certified by AWS, ensuring seamless storage security deployment and smooth interoperability.

Easily Integrates with Your Storage Infrastructure

- AWS-native integration for easy deployment
- Certified by AWS

Unparalleled Prevention Capabilities

- >99% efficacy preventing unknown threats
- <0.1% false positives rate
- <20ms file scan time

Lower Total Cost of Ownership

- Speed of scan and AWS native integration requires minimal resources

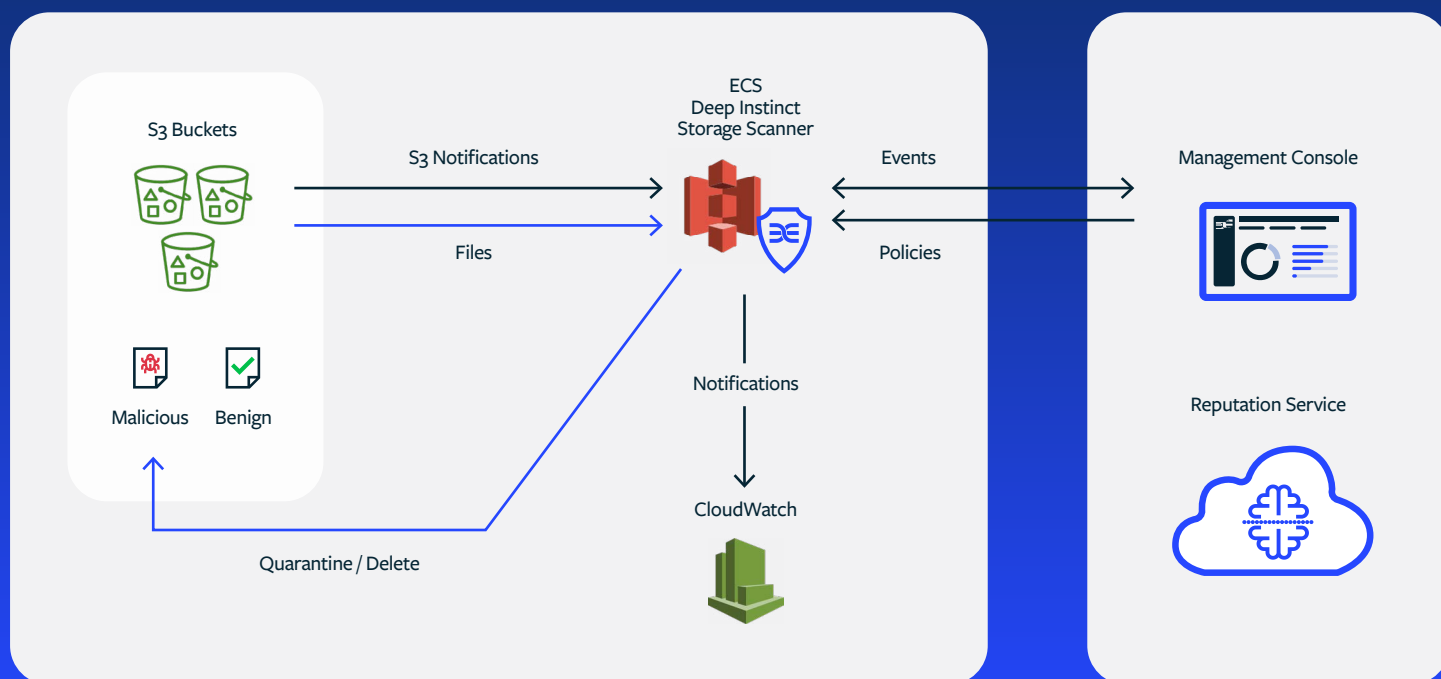
Ease of Management

- Automated remediation
- Single console experience that spans all Deep Instinct products
- Streamlined threat analysis with detailed events
- Integration with SIEM & SOAR

Compliance-Ready

- Ensures data privacy
- Logs all file scans

Deployment Diagram:



Key Capabilities

1. AWS native integration and certification
2. Files never leave your environment, maintaining privacy and security
3. Delivers preemptive security, powered by deep learning
4. <20 milliseconds average file scan time
5. >99% zero-day attack identification and prevention
6. <0.1% false positive rate
7. Integrates with DIANNA, the DSX Companion, to provide malware explainability
8. Easily scales to more than 1GB/sec throughput
9. Minimal infrastructure and greater throughput deliver low TCO
10. Automatic remediation – quarantine & deletion of malicious files
11. File restoration from quarantine
12. File scanning capabilities for 1TB single file and 50GB archives
13. Automatically scales out to support large data repositories
14. All scan results logged in CloudWatch
15. Supports file exclusions and deny list
16. Streamlined threat analysis with detailed security events
17. Configurable policy for ease of management
18. SIEM & SOAR custom integration
19. Supports any file type including, but not limited to:
 - Documents (e.g., PDF, Office Files, RTF, Email)
 - Web (e.g., HTML, JS, XML)
 - Archives (e.g., ZIP, 7z, RAR)
 - Executables (e.g., PE, ELF, Mach-O)
 - Media (e.g., JPG, PNG, MP3, MP4, TFF)
 - Application (e.g., DWG, AI, EPS)
 - Text (e.g., TXT, CSV)



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Deep Instinct, the first and only preemptive cloud data security company built on a deep learning cybersecurity framework, prevents unknown threats in <20 milliseconds, 750X faster than the fastest ransomware can encrypt. Deep Instinct Data Security X (DSX) secures data at-rest or in-motion – across cloud, NAS, applications, and endpoint. DSX Brain, Deep Instinct's deep learning framework, prevents zero-day threats that no one else can find, with >99% accuracy and a <0.1% false positive rate. DIANNA, the DSX Companion, leverages GenAI to provide unparalleled explainability into unknown threats in <10 seconds.