Nexus Embedded AI SDK

Harness the power of AI machine learning to pinpoint threats in non-endpoint attack surfaces

Nexus Embedded AI is a Software Development Kit (SDK) that incorporates SentinelOne's powerful Static AI engine.

It enables organizations to scan files and detect the malicious ones among them. Nexus SDK technology is a fast, flexible, and portable technology designed for multiple technical security control applications. Nexus SDK supports use cases where a device does not support a traditional SentinelOne agent installation.

Scan and identify malware in cloud services like email and web gateways, CASBs, file sync and share services, traditional file servers, USB scanning kiosks, medical devices, SCADA/ICS instances, containers and myriad custom applications.

For each file analyzed, Nexus SDK provides a benign, malicious, or suspicious classification plus one or more indicators to explain the classification. This enables operators to better understand why the SentinelOne platform deemed the file as a threat.

Use Cases

FIREWALL/WEB/E-MAIL GATEWAYS
Detect file-based attacks by conducting a static analysis at network ingress points

SAAS APPLICATIONS
Scan and quarantine threats uploaded by enterprise file synchronization and sharing products, as well as provide embedded scanning of cloud storage devices (e.g. AWS S3 Buckets)

SANDBOXING/FORENSICS
Pre-scan files prior to sandbox analysis for queueing prioritization, dynamic whitelisting, and static indicators for malware

PORTABLE STORAGE DEVICES
Secure portable OS images like Windows to Go which are loaded on USB drives issued to employees or contractors

VEHICLE ENTERTAINMENT SYSTEMS
Prevent accidental downloads of threats that might negatively impact vehicle entertainment systems

NEXUS SDK AT A GLANCE

+ No Internet required Air gap and SCIF-ready

+ Provides benign, malicious, suspicious verdicts for supported file types

+ Provides indicators to explain each verdict

+ Delivers verdicts in milliseconds

+ Includes SDK code samples

SYSTEM REQUIREMENTS
Windows 7, 8, 8.1, 10 (32/64bit) Ubuntu 14.04+ 64-bit The SDK currently supports C, C# and Python languages.

SUPPORTED FILE FORMATS
Windows PE, PDF, Linux ELF, Microsoft Office (.doc, .ppt, .xls, .docx, .pptx, .xlsx) and archive files (RAR, 7zip, tar, tar.bz2, Zip), Mach-O, LNK with CVE mapping.

Nexus SDK is malware detection powered by AI/ML models, not signatures.

Learn more at sentinelone.com