REVERSINGLABS

Spectra Detect: Enterprise File Analysis

High-Volume, Large-File Analysis at Speed and Scale

Key Features

Real-time, deep inspection of files, scalable to millions of files per day without execution.

Large-file analysis with ability to process file sizes up to 100GB.

Broadest coverage in the industry with over 400 file formats unpacked and more than 4800 file formats identified.

Automated file ingestion from email, endpoints, cloud storage, network shares, collaboration tools, and more.

Enterprise-wide YARA scanning with custom rule matching and targeted retro-hunts against thousands of object characteristics.

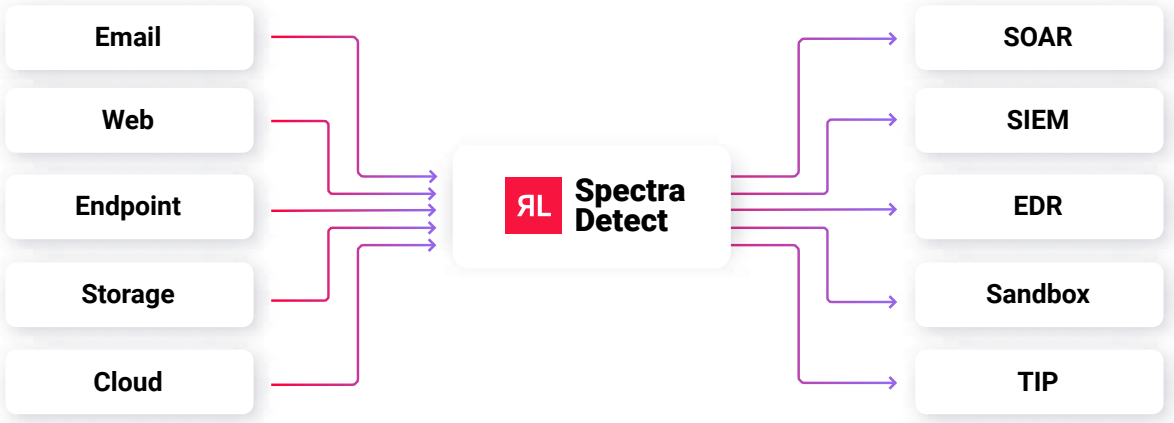
Workflow integrations to feed results to SIEM/SOAR platforms, EDR solutions, S3 storage, and more.

Highly scalable architecture to meet volume and capacity requirements as business needs grow.

RL Spectra Detect provides comprehensive, enterprise-wide visibility into malicious files and objects to identify threats wherever they reside. High-volume, high-speed file inspection and definitive threat classification empowers security operations teams with real-time, context-rich intelligence to drive faster, more effective threat detection and response, along with more powerful and precise hunting, so dangerous malware can no longer hide and dwell within the organization.

With Spectra Detect, enterprises can automatically ingest and assess millions of files a day from web traffic, email, endpoints, cloud storage, network shares, collaboration tools, and more – at unprecedented speed and accuracy. The solution uses ReversingLabs' proprietary complex binary analysis technology to perform deep file inspection and provide a verified threat verdict in real time. The results can be seamlessly integrated into industry-leading security tools and enterprise workflows, providing in-depth, file-level insights and malware intelligence with the needed context and relevance to detect, investigate, and remediate advanced threats at record speed and scale.

Enterprise Scale File Analysis



Spectra Detect Use Cases

High-Speed File Inspection	Close the malware visibility gap with real-time file inspection and classification
High-Volume Email Scanning	Scan and analyze all emails, links, and attachments at the speed of business
YARA at Scale	Match against thousands of object characteristics from any file or email source
File Share Security	Inspect and monitor file shares and cloud storage for new and latent malware threats

RL Proprietary Binary Analysis

Spectra Detect is powered by ReversingLabs' AI-driven complex binary analysis engine, which can fully deconstruct the internal contents of a file, in milliseconds, to reveal hidden threats with the fastest times in the industry. This proprietary technology recursively unpacks and de-obfuscates files, including large complex files, extracting thousands of indicators and rich metadata, applying global threat context from RL's industry-leading data corpus of goodware and malware, and delivering a verified threat classification – all without executing the file. The result is a complete characterization of each file and next-level intelligence to enrich security tools in real-time, drive response actions, and perform advanced threat hunting, enabling organizations to close malware visibility gaps before a costly breach occurs.

RL's Complex Binary Analysis Process

Features

- **Speed:** Files cataloged in milliseconds to support real-time, high-volume processing
- **Coverage:** 400+ formats unpacked, and 4800+ file formats identified from Windows, Linux, MacOS, Android, iOS, media, documents, and applications
- **Depth:** Unlimited recursive unpacking and extraction of 20,000+ file behavior indicators
- **Reputation:** Files checked against the industry's most comprehensive reputation database with over 40 billion goodware and malware samples
- **Classification:** Files classified by an advanced rules engine that supports ReversingLabs or customer-supplied YARA rules

Highly Scalable Architecture

Spectra Detect uses a flexible cluster architecture that scales incrementally to support distributed or centralized file processing across physical and cloud environments. With the addition of worker nodes, the cluster can scale file processing capacity from 100K up to 100M files per day.

- **Worker Nodes:** Clusters of physical or virtual servers that perform the actual file assessment and support N+1 redundancy
- **Load Balancer Hubs:** Direct files to Worker Nodes for processing
- **Manager:** Manage configurations like YARA rules and allowlist, and monitor the status across the Spectra Detect cluster
- **Spectra Intelligence:** Identifies and provides verified intelligence on known goodware and malware from RL's industry leading threat reputation database of 40B+ samples

About ReversingLabs

ReversingLabs is the trusted name in file and software security. We provide the modern cybersecurity platform to verify and deliver safe binaries. Trusted by the Fortune 500 and leading cybersecurity vendors, the ReversingLabs Spectra Core powers the software supply chain and file security insights, tracking over 40 billion searchable files daily with the ability to deconstruct full software binaries in seconds to minutes. Only ReversingLabs provides that final exam to determine whether a single file or full software binary presents a risk to your organization and your customers.

Get Started!

We will show you how RL Spectra Detect analyzes complex and large-volume files

REQUEST A DEMO

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