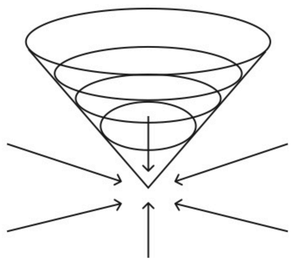
EMPIRICAL

Empirical Security builds precision AI tuned to your cybersecurity environment



Radiant Models

A custom built local model that uses everything in Foundation plus your own local assets, configurations, and internal telemetry to predict threats specific to your organization.

Vendors don't know you, like you know you.
Allow your data to drive decision making inside your enterprise.

Get real-time CVE updates

We offer a robust UI and API for data discovery. Our CVE database updates hourly.

Run and save searches

Find CVEs by score thresholds, recent score changes, exploitation activity, products, vendors, and more.

Track model performance

View vulns distributed by score, compare models over time, and view curated lists of CVEs by Known Exploitation Activity.

How It Works

We ingest your scanned assets

Scanner Data, IT Systems, Endpoints, Host Data, Ticketing, CMDB

We score your vulnerabilities

Threat Intel, CVEs, App Code Flaws, Cloud Misconfigs, Pen Tests

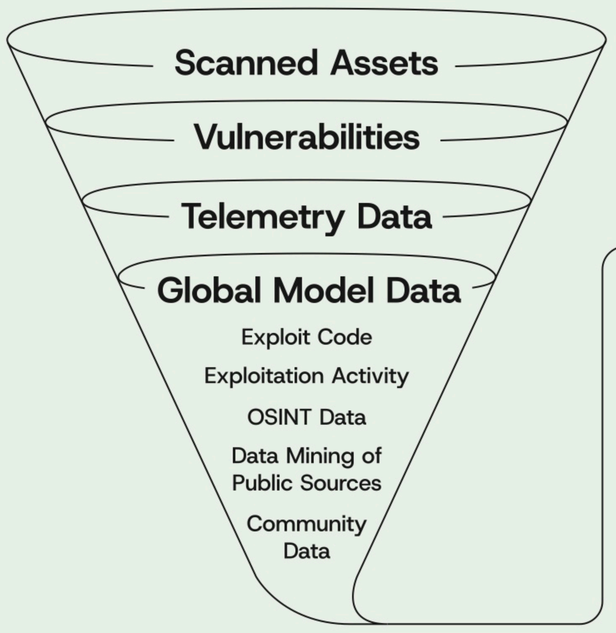
We evaluate your telemetry data

Attack Data, Alerts, Real-Time Detections, SOC Data, Past Incidents

We integrate our Global Model

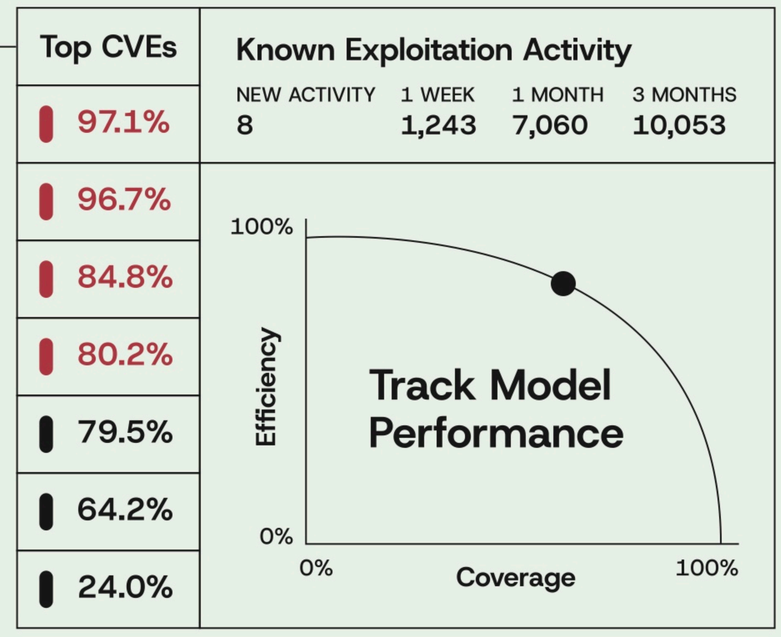
Known Exploitation Activity, Discovered Exploit Code, Data Mining

1. Input your Data



2. Model Runs in Any Cloud

3. API Outputs Real-Time Prioritization



See how your model would differ — book a walkthrough | empiricalsecurity.com | info@empiricalsecurity.com

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Foundation Features

The global model

01 Predictive scoring based on real exploitation likelihood	02 180,000+ CVEs covered, 18,000+ confirmed exploited	03 Near-real-time exploitation telemetry, updated hourly	04 Backed by a dedicated data science and research team	05 Full UI and API access

Radiant Features

The local model

Everything in Foundation, plus:	06 Custom model trained on your telemetry, assets, configurations, and vuln data	07 Continuously retrained to reflect changes in your environment	08 Full data isolation, only you access your model

We bring measurable impact

Past solutions can’t prioritize, assess, and handle effective inference at scale.
With Empirical, our models provide understanding and superior prioritization.

18,000+

`Known Exploited Vulns` (and hourly telemetry about when exploitation occurred)

12.4x

`A 1249.04% increase` in total exploited CVEs as of January 9th, 2025 compared to CISA Known Exploited Vulnerabilities (KEV)

23x

`4925 newly exploited CVEs` in the last 12 months, compared to 204 in CISA KEV