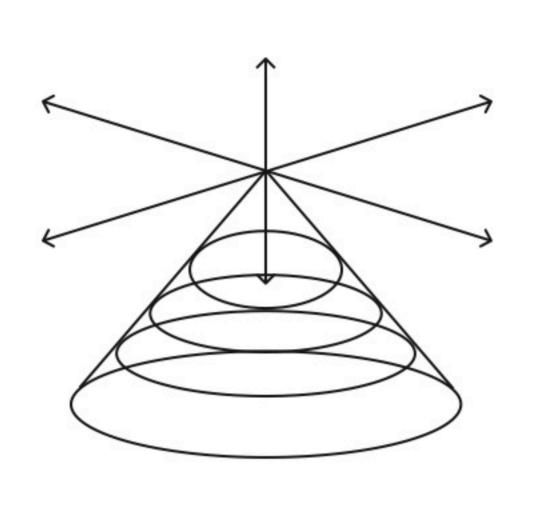
EMPIRICAL

Empirical Security builds precision Al tuned to your cybersecurity environment



Global Models

Global models combine real-time internet exploitation telemetry with EPSS predictions to provide the most accurate view of exploitation. It monitors activity over 16,000 known exploited in the wild CVEs, and uses that data in the model. This is 12x DHS CISA's KEV, and far more than any other vendor out there.

Our Global Models API delivers best in the industry efficiency across coverage levels

Get real-time CVE updates

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

Run and save searches

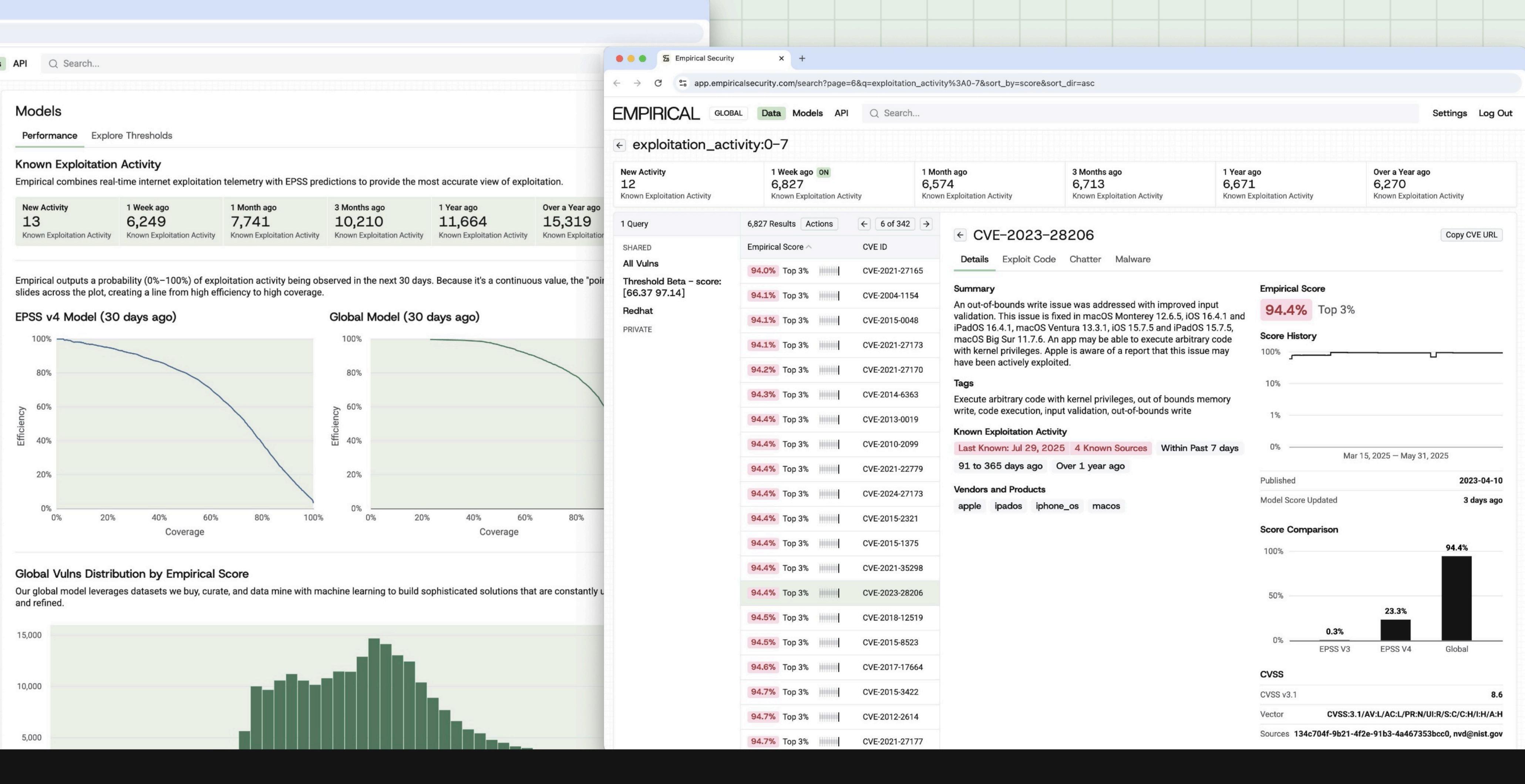
Find CVEs by score thresholds, recent score changes, exploitation activity, products, vendors, and more.

Explore model thresholds

Change threshold parameters to filter the data page for better prioritization.

Track model performance

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



EMPIRICAL

Compare Model Features

ALL MODELS	ALL MODELS	ALL MODELS	ALL MODELS
EPSS GLOBAL LOCAL	EPSS GLOBAL LOCAL	EPSS GLOBAL LOCAL	EPSS GLOBAL LOCAL
Predictive	Hourly Score	Legacy	UI and API
Vulnerability Scoring	Updates and Enterprise Support	Model Support (EPSS v3, v4)	for Data Discovery & Model Performance
GLOBAL + LOCAL MODELS	GLOBAL + LOCAL MODELS	GLOBAL + LOCAL MODELS	GLOBAL + LOCAL MODELS
EPSS GLOBAL LOCAL	EPSS GLOBAL LOCAL	EPSS GLOBAL LOCAL	EPSS GLOBAL LOCAL
Data on over	Near-Real Time	ML model for discovering	All Underlying data
17,000 exploited in	Exploitation	new exploit code	contributing to the
the wild CVEs	Telemetry & Model	on GitHub	model exposed
LOCAL MODELS	LOCAL MODELS	LOCAL MODELS	LOCAL MODELS
EPSS GLOBAL LOCAL	☑ EPSS ☑ GLOBAL ■ LOCAL	☑ EPSS ☑ GLOBAL ■ LOCAL	☑ EPSS ☑ GLOBAL ■ LOCAL
Custom Vulnerability			
Model based on your attack telemetry,	Model Performance		
asset data, vuln data,	Measured against	Forward Deployed	Only you will have
& threat intelligence	your attack telemetry	Data Science Team	access to 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.

17,00+

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