

Local Models

Your enterprise has environmental and telemetry data that should be used in decision making. Empirical unlocks the value of these datasets by training a local model, specific to you and only accessible by you.

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

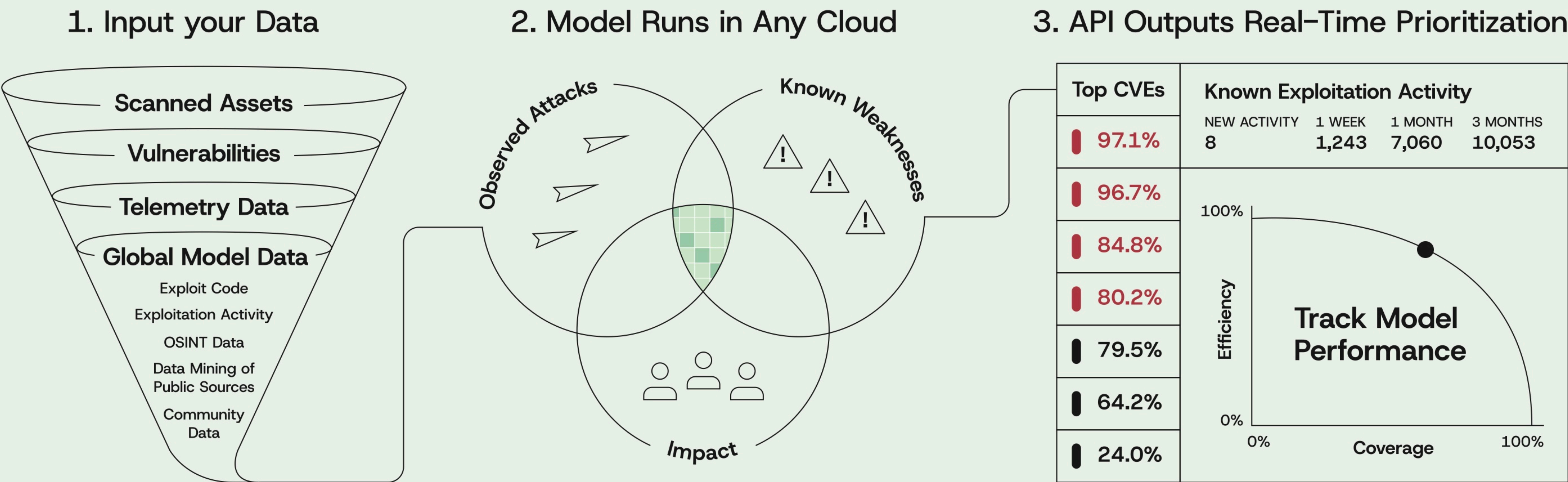
Threat Intel, CVEs, App Code Flaws, Cloud Misconfigs, Pen Tests

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



Compare Model Features

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

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.

17,000+

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