zveloDB™
URL Categorization Database

Industry-Leading Accuracy & Coverage.

URL Database & Categorization Solutions for OEMs

The zveloDB URL Database provides unmatched coverage and accuracy for the billions of URLs and IPs that comprise the active web. zvelo’s AI-based categorization and malicious detection services analyze URLs for content and malware—with resulting categorizations immediately inserted into the master zveloDB and propagated to all local deployments. This ensures that all our partner’s users have real-time protection from malicious websites and objectionable content. We are 100% OEM focused and committed to building partnerships that require the best, most accurate, comprehensive, and fastest-performing URL database and categorization services.

zvelo employs a crowd-sourced approach to URL analysis—gathering a continuous stream of URLs that represent the active web. These are sourced from our partners’ hundreds of millions of users across Network Security, Subscriber Analytics, Ad Tech and other markets. Thanks to our global network of over 500+ million end users and growing—and our unique, continuous AI-supported approach—zveloDB is not only the most accurate in URL categorization—it also has the freshest and most comprehensive set of URLs.

Why zveloDB?

99.9% Coverage
zvelo maintains 99.9% coverage of active web URLs that are visited by our partners’ networks of over 500+ million end users.

99% Accuracy
Using a combination of Artificial Intelligence and Machine Learning along with human quality assurance—zvelo maintains over 99% accuracy for classifying web content into topic-based, objectionable, and malicious categories.

500 Unique Categories
Our granular taxonomy offers 500 unique categories, providing pin-point accuracy and insight. An exclusive feature of zveloDB allows you to map categories as needed—providing seamless, transparent integration for required taxonomies.

200+ Languages Supported
The industry’s best language support by country, covering over 200 languages worldwide—and backed by human-supervised machine learning systems.

Malicious Detection
Our crowd-sourced approach interrogates URL and IP-based threats to identify malware, phishing, fraud, and spyware using behavioral analysis, heuristics, and machine learning.

Fast & Scalable Performance
Local database lookups in under 5 microseconds (or 200,000 queries per second per instance).

Objectionable Content
Versatile sets of categories can be used in a variety of cultural settings. Identify URLs that are inappropriate or objectionable such as porn, terrorism, hate speech, fake news, violence, and more.

Custom Category Mapping
This exclusive zveloDB feature enables you to map our categories to virtually any taxonomy of your choosing.

Real-Time Updates
zvelo Instant Protection (zIP) updates provide a continuous feed of newly categorized URLs throughout the day, ensuring your application has up-to-the-minute accuracy—providing maximum flexibility to meet your data operations needs.
Flexible Deployment Options
For Data Centers, Appliances, and the Cloud

zveloDB is designed for OEM application needs and easily fits into existing infrastructure. Depending on your application needs, it can be integrated into your data center, UTM appliance, server—or alternatively, via a lightweight client or RESTful API that communicates with the zvelo cloud.

For Data Center Deployment
Built for scale and global support, zveloDB can be deployed in your own data center—or hosted at the cloud center of your choosing. The SDK communicates with the Master zveloDB to deliver accuracy and performance.

For UTM Appliance Deployment
Designed with a lean footprint, zveloDB can be deployed on an appliance running at your customer’s location. Based on device requirements—the SDK enables you to choose between a “small” (~1GB) or “large” (~4GB) cache of URLs.

How It Works | Local SDK With On-Disk Cache
The local zveloDB cache returns results to your application, while new URLs are automatically and transparently forwarded to the zvelo cloud for categorization and malicious detection processing. In addition, a local CustomDB provides the ability for you to create custom “block/allow” lists as required for your particular application. Throughout the day, newly categorized URLs are immediately delivered and inserted into the local zveloCACHE—for real-time accuracy and protection.
A Lightweight RESTful API For Laptops, Tablets, & Devices

The cloud-based zveloAPI deployment is ideal for Web Filtering, Parental Controls, and other applications where there are limited resources available on the endpoint device.

Learn more about categorization capabilities and zveloDB deployment options at: https://zvelo.com.

How It Works | RESTful API Deployment For Categorization Queries

With the zveloAPI deployment, you implement a lightweight RESTful API that is able to query and return highly accurate category value(s) based on domain, sub-domain, and full-path/page-level content. After submitting a query, the zvelo cloud leverages a combination of artificial intelligence and machine learning to deliver results for ingestion—whether for your local storage, processing, or other application needs.

A Raw Data Feed Deployment For Continuous Updates & Ingestion

With the zveloAPI Raw Data Stream deployment, you receive a continuous stream of categorized URLs in a raw, “in-the-clear” format, which you ingest into your local database and systems. This RESTful API deployment requires you to have or develop the logic associated with updating URLs when category values received in the raw data stream change, handling “inheritance” for URLs within a domain, and more. The zveloAPI stream is ideal for companies that have the ability to receive and organize massive amounts of data, particularly organizations that require content categorizations at the individual full-path page, article, and post level.

Learn more about categorization capabilities and zveloDB deployment options at: https://zvelo.com.

Experience zvelo's industry-leading categorization in action at https://zvelo.com/zvelodb. Or contact us at sales@zvelo.com to request a demo. MKT-ZDB-001 | 2018