Data-driven intelligence for cybersecurity

Structured web data from Dataprovider.com

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We index the web and structure the data

The online world might seem abstract and endless, but Dataprovider.com's expertise is ordering the chaos. In our ever-growing database, you'll find structured web information about over 800 million domains, a filterable index, 200+ data fields, four years of historical data—Dataprovider.com offers you the whole web in one place, updated monthly. Extract practical information, unlock hidden digital assets, and safeguard your online networks. We're here for all data-minded professionals, from marketeers to IT specialists, governments, and cybersecurity experts.

Why us?

800+ million domains	40+ SSL data attributes	10+ web security indicators
200+ data variables	4 years of data history	Tailor-made Dashboards
Web traffic indices	Domain Ownership data	Unique Proprietary Scores

Read on to find out why we're the trusted data provider for online security services and data-driven operations.

Security data straight from the source

Dataprovider.com captures cybersecurity information from and about every website, right as changes happen. Specialized filter combinations in our Search Engine build a detailed overview: find domain registration and DNS information, privacy-threatening settings, SSL certificate data, and HTTP configuration details about your target websites. Our monthly updates help you monitor any changes in cybersecurity metrics and defense statuses of your digital assets.
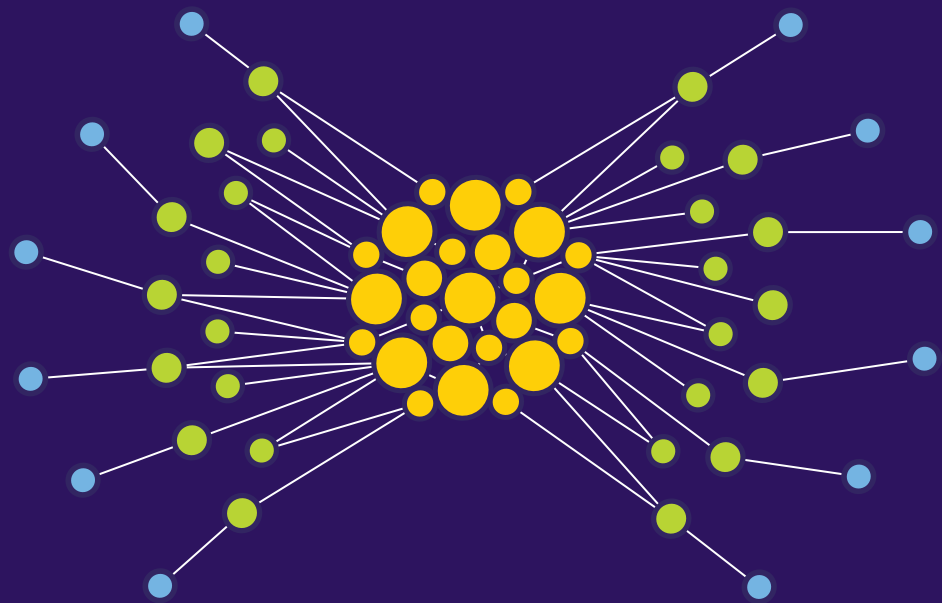
Dataprovider.com helps you:

- Monitor DNS TXT records and HTTP headers across all domains to prevent email spoofing and defend against web-based attacks.
- Track SSL certificate validity across all sites to assure users of secure connections.
- Discover open ports and outdated server or CMS software versions, and act to enhance site security.
- Track third-party services on your websites to identify security risks, maintain control over data sharing, and enhance privacy compliance.
- Uncover domains impersonating your brand or using weak phishing protection, and act swiftly to mitigate brand abuse.

Our web data unveils an otherwise hidden world, giving you the data and tools you need to stay ahead of the curve.
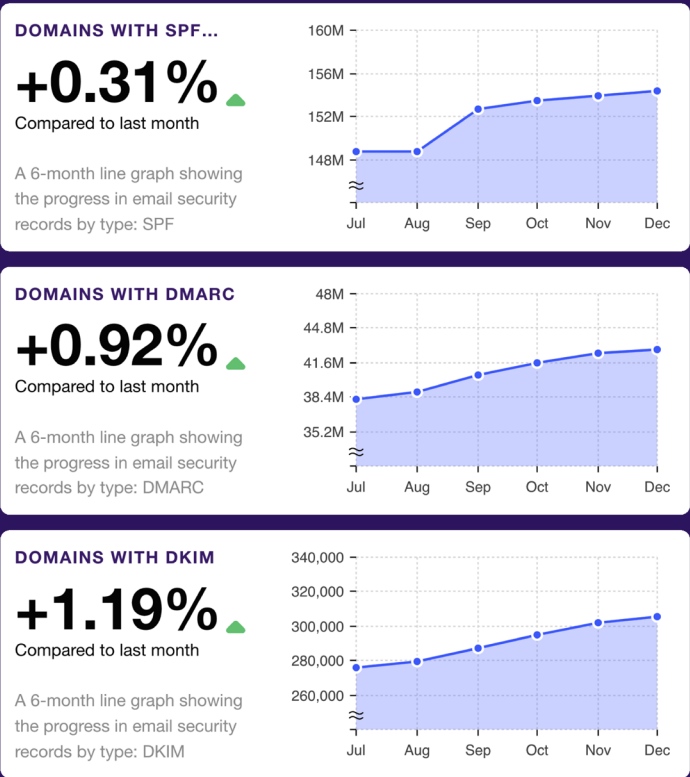
Unveil hidden assets

Do you have a complete overview of your digital assets? Perhaps a domain was set up years ago for a special event, but never taken offline, or there are outdated security settings for an internet-connected machine. These risks are susceptible to exploitation, and the solution lies in finding what's hidden or forgotten.

With our data, you can uncover organization and client networks, find domains linked by common affiliation, IP addresses or creation patterns, and dig into domains owned by the same entities. Our AI tools connect businesses and domains by examining common registration details and contact information. Let Dataprovider.com contribute to creating an overview of the digital assets you know about, and map the hidden assets you haven't yet found.

Safeguard digital communications with comprehensive DNS insights

Protected digital communication is essential to prevent phishing, spam, and other fraudulent attacks that can compromise brand integrity and client trust. Our platform consolidates all DNS TXT records, DNS MX (Mail Exchange) settings, and related email security frameworks. Track which websites display email addresses and ensure secure email delivery to prevent your domains from being abused for phishing or spam attacks.

DOMAINS WITH SPF...

+0.31% ▲

Compared to last month

A 6-month line graph showing the progress in email security records by type: SPF

160M
156M
152M
148M

Jul Aug Sep Oct Nov Dec

DOMAINS WITH DMARC

+0.92% ▲

Compared to last month

A 6-month line graph showing the progress in email security records by type: DMARC

48M
44.8M
41.6M
38.4M
35.2M

Jul Aug Sep Oct Nov Dec

DOMAINS WITH DKIM

+1.19% ▲

Compared to last month

A 6-month line graph showing the progress in email security records by type: DKIM

340,000
320,000
300,000
280,000
260,000

Jul Aug Sep Oct Nov Dec

Monitor and mitigate digital issues

In today's digital landscape, outdated or misconfigured assets can quickly become security liabilities. Dataprovider.com provides real-time visibility into potential vulnerabilities across your entire digital portfolio, from exposed open ports to deprecated software versions. Our platform allows you to pinpoint specific security gaps so you can take immediate action to secure your assets. Easily integrate our comprehensive vulnerability data into your existing security workflows via API, ensuring that your vulnerability management system stays up-to-date with the latest risks.

Take decisive action for your cybersecurity with our structured web data, including relevant information like Content Management Systems, Rendered Hostnames, Generators, DNSSEC, or Open Ports.

Real-time defense against spam, scam, and cyberthreats

Protect visitors and maintain brand trust with a proactive approach to cybersecurity. Dataprovider.com enables you to search Hypertext Transfer Protocol (HTTP) headers across your digital assets, giving you powerful insights into vulnerabilities and strengthening your defenses. Here's how leveraging HTTP header data can help you mitigate risks and ensure robust protection across your web applications:

Clickjacking Prevention: identify websites that lack the X-Frame-Options HTTP header, leaving them vulnerable to clickjacking, where attackers overlay malicious content within legitimate pages to hijack visitor actions.

Strict Transport Security (HSTS): ensure that HTTPS connections are enforced to protect against man-in-the-middle attacks and prevent the interception of sensitive information.

Cross-Site Scripting (XSS) Prevention: detect websites without proper XSS protections, where attackers can inject malicious scripts into webpages, compromising user data, and putting your visitors at risk.

Content Security Policy (CSP): specifies trusted sources for dynamic resources, reducing the risk of XSS attacks.

X-Content-Type-Options: prevents MIME-type sniffing attacks by ensuring browsers honor declared content types, reducing malware.

Cross-Origin Resource Sharing (CORS): manages cross-domain resource requests, blocking unauthorized domains from accessing sensitive assets.

Outdated Software Detection: flags software versions in HTTP headers, helping identify assets at risk due to outdated server software.

Upholding ethical and legal standards

Do you need to ensure that clients comply with your ethics and security policies? Utilize our data and insights to confirm your customers and business partners adhere to applicable laws and security practices. See which websites collect what kind of privacy-sensitive information, or lack adequate terms and conditions, or fail to connect securely.

Are there online stores among your business relationships that sell prohibited goods or counterfeits? Keep your brand safe, protect your reputation, and prevent unnecessary fines or legal claims with these insights and more.

Online stores with low Trust Grades, by continent
December 2024

Our proprietary Trust Grades are scores assigned to e-commerce sites based on four credibility factors: usability, security, transparency, and reliability.

Our data toolkit for cybersecurity

SSL Catalog
All SSL information in one place? Dataprovider.com makes it happen. Daily, we retrieve certificate data published through CT logs and structure it in an easily searchable format. Our SSL Catalog contains billions of SSL records organized into six categories, filterable by more than 40 data fields.
We bring you the SSL information you need to spot vulnerabilities and fraudulent activity.

Reverse DNS
Our Reverse DNS tool connects IP addresses to their domain names, giving you access to unique information about hosting infrastructures and domain networks. Explore what's behind four billion IPv4 addresses: associated domain names, DNS types, TLDs, subdomains, and additional domains hosted on specific servers, including those using VPNs. Use this data for regular insights into the structure and organization of your target networks.

Traffic
We've developed the proprietary Connection Index, a benchmarked estimation based on DNS connections relative to the connections to www.google.com. Unlike other tools, which use browser extensions to measure traffic, our Connection Index is determined by a worldwide pool of anonymized DNS data. It factors in connections via consoles, IoT, and machine-to-machine (e.g., digital payment transactions), for example. This is how we provide extensive, reliable traffic results with practical details.

Know Your Customer
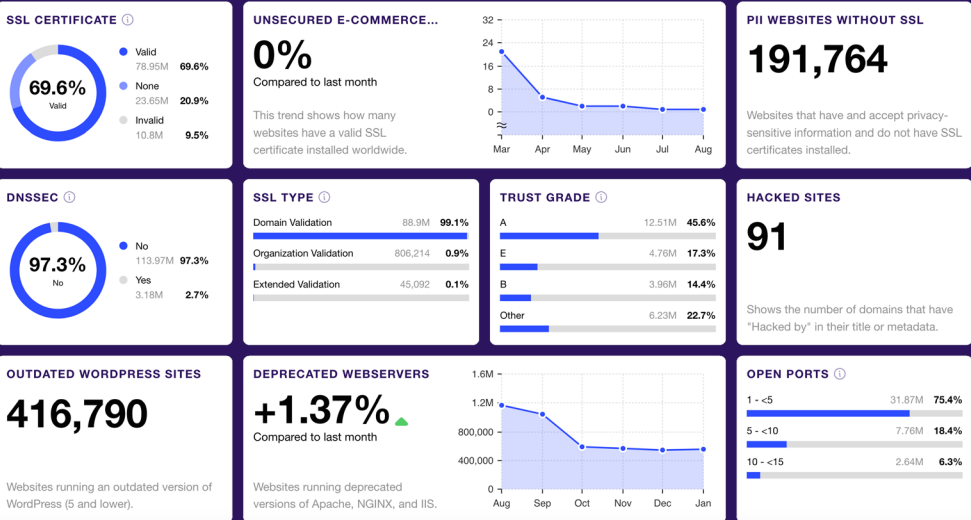Private, custom crawls to get the specific overview you need. Keep track of your target domains, and be in the right place at the right time if issues arise. Take advantage of our Know Your Customer (KYC) tool to upload a file with the hostnames you'd like to monitor: we'll generate a thorough analysis of all website content, technical specifications, business information, cybersecurity indicators, and more.

Clearer insights with visualized, shareable data

Dataprovider.com's Dashboards are a personalized view of your key metrics and data. Set up custom Dashboards for your organization or for each of your clients, and get an easy overview of metrics on open ports, SSL status, DNS MX security, activity levels, and change over time. Share a Dashboard with your team or with your clients so all relevant parties can stay up to date and informed, and take action beyond the numbers. Use Presentation Mode to bring your insights to a meeting and help your team understand the most current developments and cybersecurity risks.

With a sleek, easy to use platform, an intuitive interface with data visualizations and summary statistics, and API integrations to bring it all together, Dataprovider.com gives you an unparalleled data experience.

SSL CERTIFICATE ⓘ

69.6% Valid
- Valid — 78.95M — **69.6%**
- None — 23.65M — **20.9%**
- Invalid — 10.8M — **9.5%**

UNSECURED E-COMMERCE...

0%
Compared to last month

This trend shows how many websites have a valid SSL certificate installed worldwide.

(chart: Mar, Apr, May, Jun, Jul, Aug; axis 0–32)

PII WEBSITES WITHOUT SSL

191,764

Websites that have and accept privacy-sensitive information and do not have SSL certificates installed.

DNSSEC ⓘ

97.3% No
- No — 113.97M — **97.3%**
- Yes — 3.18M — **2.7%**

SSL TYPE ⓘ

Domain Validation	88.9M	**99.1%**
Organization Validation	806,214	**0.9%**
Extended Validation	45,092	**0.1%**

TRUST GRADE ⓘ

A	12.51M	**45.6%**
E	4.76M	**17.3%**
B	3.96M	**14.4%**
Other	6.23M	**22.7%**

HACKED SITES

91

Shows the number of domains that have "Hacked by" in their title or metadata.

OUTDATED WORDPRESS SITES

416,790

Websites running an outdated version of WordPress (5 and lower).

DEPRECATED WEBSERVERS

+1.37% ▲
Compared to last month

Websites running deprecated versions of Apache, NGINX, and IIS.

(chart: Aug, Sep, Oct, Nov, Dec, Jan; axis 0–1.6M)

OPEN PORTS ⓘ

1 - <5	31.87M	**75.4%**
5 - <10	7.76M	**18.4%**
10 - <15	2.64M	**6.3%**

GDPR & CCPA compliance meets independently verifiable data

Our data and processes comply with the European General Data Protection Regulation (GDPR) and with the California Consumer Privacy Act (CCPA). We do not crawl websites if they disallow crawling, and adhere to the international standard of the Robots Exclusion Protocol. Our Privacy by Design technology ensures that, by default, we minimize the personally identifiable information (PII) to only what's necessary for achieving your goal.

This is all possible with our proprietary data, gathered independently and structured with our own software. We maintain total transparency regarding the nature of the data we index and the methods we employ: our monthly web crawling ensures this authenticity. By eliminating dependence on third-party information, we can consistently trace the data back to its source and verify its integrity.

✓ GDPR compliant

✓ CCPA compliant

✓ robots.txt adherent

✓ PII protected

✓ Privacy ensured

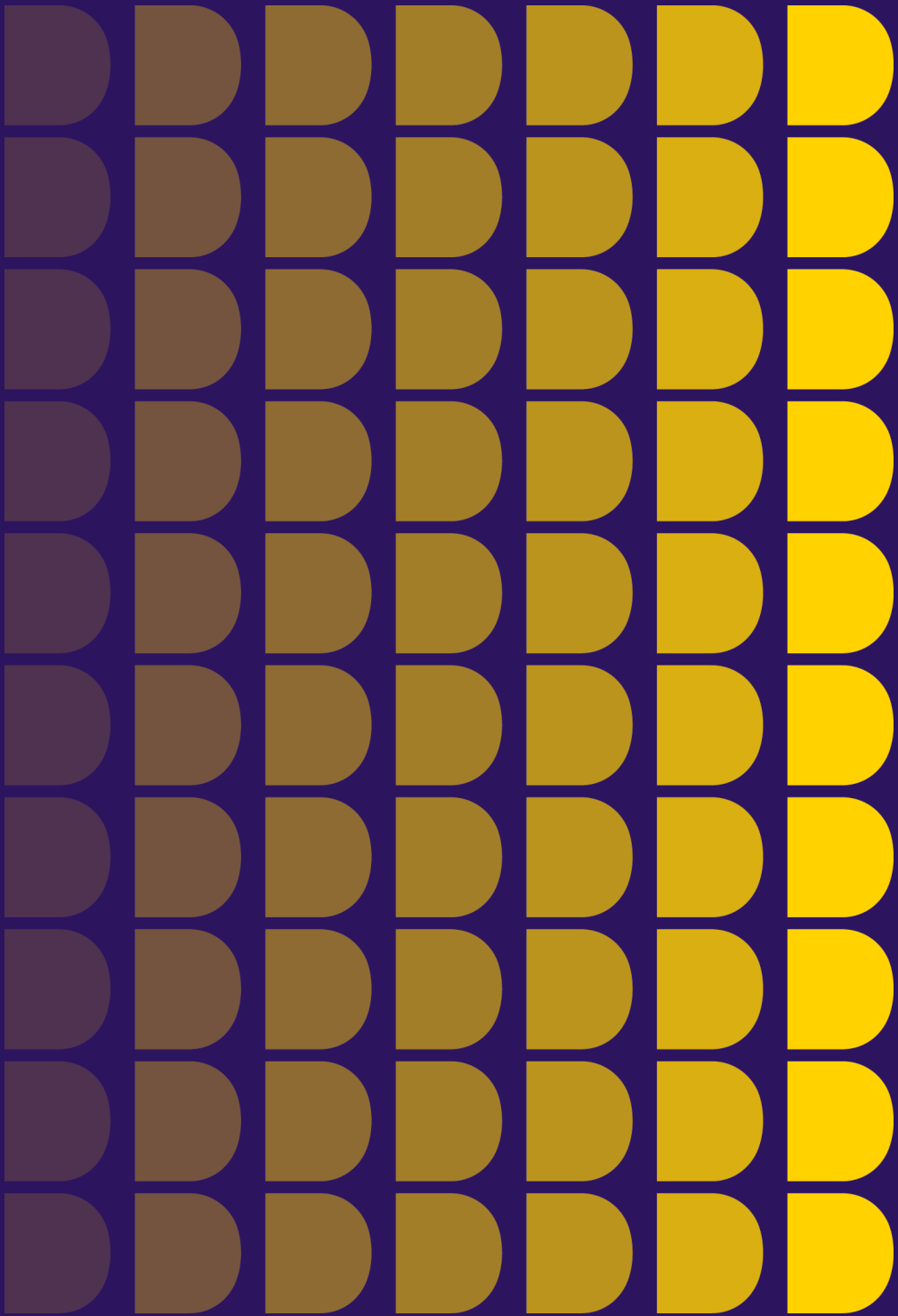# Structured web data to improve any organization

Dataprovider.com is the go-to source for any organization or business looking for detailed web data. Our data is used by a wide range of companies across industries—including market leaders like GoDaddy and Markmonitor.

Curious which industries make use of our data to improve their performance?

Asset Management	**Business Information**
Registries & Registrars	**Brand Protection**
Payment Service Providers	**Cybersecurity**
Academic Research	**Public Sector**

**Want to know how Dataprovider.com can help you?
Reach out and we'll set up a personal demo.**

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DATA PROVIDER. COM