The Censys Internet Map
The Internet Intelligence Behind the Censys Platform

Given the daily emergence of new vulnerabilities and the increasing complexity of attacks, security leaders need a single, real-time source of internet intelligence to track global internet exposures, identify emerging threats, and detect compromises. The Censys Internet Map provides visibility into all public hosts and services with enriched context, helping security teams differentiate essential alerts from false positives or noise.

The Power Behind the Censys Platform

Security tools are only as powerful as the data that feeds them. The Censys Internet Map is the data foundation and fuel that powers the Censys Platform. Recent comparative research of the most popular scanning platforms shows that Censys discovers new services seven times faster, provides data that is twice as accurate, and delivers deeper context than other solutions. The difference is in Censys's ability to automatically fingerprint over 200 protocols and our predictive scanning ability that leverages multiple AI/ML models to analyze all 65K ports on every host and provide the freshest Internet infrastructure intelligence that is updated daily.

Insights from the Censys Internet Map can be accessed through the Censys Platform and Censys Attack Surface Management and applied to a wide range of strategic and operational security use cases from vulnerability management, threat hunting, tracking adversarial infrastructure, automating security operations, enriching security tools, and more.

> **"Getting Censys is like getting brand new glasses; we can see stuff in the distance, and we've realized how much of a difference it was. We have a greater picture beyond just doing things manually."**
>
> Senior Security Analyst,
> European Government Agency

Censys Internet Map

Visibility + Context + Data

| AI Driven Context | Fingerprinting | Object Model | Data Labeling |

Predictive Scan Infrastructure

Best-in-Class Internet Map Foundation

What Sets the Map Apart

Purpose-Built for Internet Intelligence	Censys operates the industry's most comprehensive and high-fidelity map of the Internet that delivers real-time visibility to every active service on the Internet. Censys continuously scans every port on every IP address, identifying ~1 billion services a day and automatically fingerprinting 200+ protocols.
Unmatched Visibility and Accuracy at Internet Scale	Censys is completely self-built, and never borrowed. We operate a purpose built global infrastructure that spans over three continents and leverage multiple AI/ML driven predictive models to deliver insights that are 2x as accurate than our closest competitors and detect Internet infrastructure changes 7x as fast.
Deep Service Insights for Proactive Defense	Censys collects deep data insights to build a complete picture of every service, giving deep visibility to service configurations, X.509 certificates, at-risk web properties, and more that no other solutions in the market provides to help organizations proactively defend against adversarial activity.
Unparalleled Historical Context that Spans Multiple Years	The Censys Internet Map houses nearly 20 petabytes of historical insights for every Internet service we have ever identified. This historical depth enables longitudinal threat analysis, malicious infrastructure detection, and an artificial intelligence training dataset that no one else can match.
Trusted by Governments, the Fortune 500, and Threat Intelligence Companies Worldwide	Censys is the standard for Internet Intelligence and the definitive source of truth for elite security teams and threat researchers around the globe. Our Internet map powers many of the threat insights shared within the security community to track adversarial infrastructure, investigate threats, and proactively defend their organizations.

Comprehensive, Actionable + Relevant Context

> "The accuracy of the data was the number-one driving force behind [adopting] Censys."

Senior Security Engineer, Communications Company

✦ **Insightful Scan Data:** Indexes over 10,000 fields from scans, delivering insights into service configurations and essential metadata such as DNS, geolocation, and IP WHOIS.

✦ **Open Ports and Running Protocols:** Provides unmatched visibility in active ports and protocols, enhancing threat detection and risk assessments.

✦ **Device Type Labels:** Clearly labels host types, such as IoT, database, VPN, and more, for precise identification.

✦ **X.509 Certificates:** Offers access to the world's largest certificate database, with over 17 billion and counting, for unparalleled verification and management of digital identities.

✦ **Web Endpoints:** 2.9 billion+ web endpoints and growing– giving security teams clear visibility into internet-facing applications, services, and infrastructure.

✦ **Cloud Provider Scanning:** Targeted daily port scans on hosts from Amazon, Azure, and Google to capture ephemeral cloud services.

✦ **Automatic Protocol Detection:** Employs ~100 deep protocol scanners and APD to enable comprehensive fingerprinting of protocols and services on nonstandard ports.

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Censys' mission is to be the one place to understand everything on the internet. Frustrated by the lack of trustworthy Internet intelligence, we set out to create the industry's most comprehensive, accurate, and up-to-date map of the Internet. Today, Censys delivers real-time Internet intelligence and actionable threat insights to global governments, over 50% of the Fortune 500, and leading threat intelligence providers worldwide.