censys

Censys vs. Shodan

One clear winner for coverage, speed, and accuracy.

To successfully secure your environment, you need actionable, trustworthy insights into the public Internet. Those insights must come from data that's:

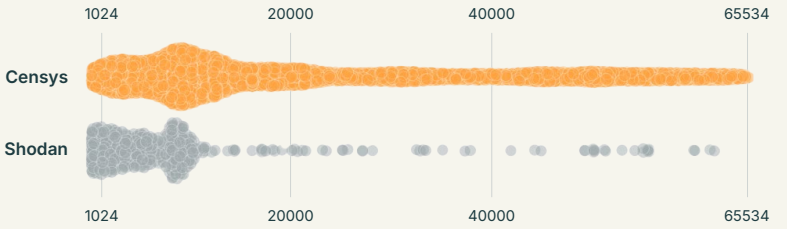
- **Complete**
- **Up-to-date**
- **Accurate**

Censys outperforms Shodan in all three areas, with 800% more coverage, 7x faster discovery, and 35% better accuracy.

> **We had a 35% improvement in time to detection and efficacy for a certain APT group through automated infrastructure ingestion with Censys.**
>
> **Greg Lesneswich**
> Senior Threat Researcher, ProofPoint

Superior Coverage

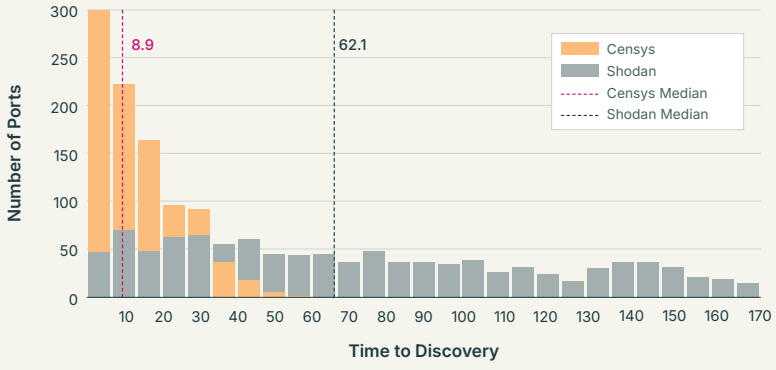
The Censys Internet Map is the most comprehensive on the market. Across the 65K port space, **Censys captures 800% more services than Shodan.** Censys also captures 200% more than Shodan in the top 100, and 20% more in the top 10.



Source: GreyNoise Research

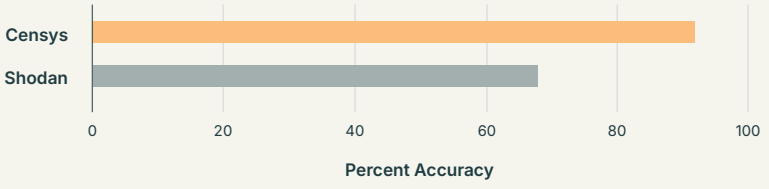
Faster Discovery

Censys detects Internet infrastructure changes 7x faster than Shodan with a median change detention of 8.9 hours. Censys consistently detects new services in under 24 hours on average, whereas Shodan averages nearly three days.



Higher Accuracy

Data is meaningless if it isn't accurate. Censys data is the most accurate on the market: **92% of the services listed in Censys reflect live services, versus only 68% of the listed services in Shodan.**



Why Censys?

Censys data outperforms Shodan's at every turn. In fact, the Censys Internet Map is the most comprehensive one on the market.

Compared with Shodan, Censys delivers:[1]

800%	7x	35%
more coverage	faster	more accurate

It all comes down to data.

Data is at the center of everything you do — and Censys data is more complete, accurate, and up-to-date than Shodan's. That means that with Censys, your team gets:

- **Comprehensive visibility.** Because higher and less popular ports are commonly used in exploits, Shodan's spotty coverage leaves you with significant blind spots. Censys gives you visibility into the *entire* Internet — not just the parts that are easy to see.
- **Fewer false positives.** Censys data is fresher than Shodan's, with far fewer stale or duplicate results. This translates to less time wasted digging into false positives and dead-end trails.
- **Higher confidence in interpreting data.** Working with Censys's highly accurate and near real-time data ensures you're working with the best insights to track malicious infrastructure and respond quickly and confidently to alerts and insights.
- **More immediately actionable insights.** Censys's strong, reliable dataset and intuitive interfaces make it easy to summarize data, extract patterns, and draw conclusions quickly.

Trusted by Industry, Governments, and Security Companies Worldwide

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Strong security starts with Censys.

Your security is only as good as the data it's built on. Censys provides the strongest foundation available for you to build an efficient, effective, and reliable security program. **Sign up for a Free Censys account** to enhance your vulnerability management, incident response, and system security today.

Try Censys Free

1 Censys: A Map of Internet Hosts and Services, SIGCOMM 2025

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Censys is the authority for Internet intelligence and insights. Delivering the most complete, accurate, and up-to-date global map of Internet infrastructure, Censys provides industry leading solutions for attack surface management, threat hunting, and proactive incident response. Global governments, Fortune 500 companies, and security providers around the world trust Censys to uncover risks faster, respond more effectively, and prevent breaches before they happen.