



SixRep

Precision IPv4/IPv6 Reputation Service

SixInt is the only company *dedicated* to providing comprehensive, accurate, and actionable cybersecurity intelligence on IPv6. Be it IPv6 networks, infrastructure, or customers, our suite of data feeds enrich both offensive and defensive security operations. With SixInt, enterprises, governments, and providers can more effectively and safely realize the benefits of IPv6 connectivity.



@v6intel



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New Protocol – New Challenges – New Opportunities

IPv6 is the next-generation of the “Internet Protocol,” and has experienced rapid adoption over the last five years – IPv6 is now implemented and enabled in all modern operating systems, network equipment, and applications, and is used by over 40% of today’s Internet connections¹. The greatly expanded address space in IPv6 simplifies and scales network architectures, allows the next billion devices to connect to the Internet, and is transparent to most users.

Despite IPv6’s advantages, it is not backwards compatible with IPv4. IPv6 is effectively an entirely new protocol and is deployed in fundamentally different ways:

- Massive address space, even in home subnets
- Hosts use many short-lived and single-use addresses
- Subnets are variably sized, ephemeral, and move
- Direct access, with no Network Address Translation

* IPv6 is *required* to be legitimately connected to the Internet!

* Real cybersecurity requires new tools, techniques, and data *that work for IPv6!*

The SixInt Advantage

SixInt isn’t just another cybersecurity firm tacking on half-baked support for IPv6 – IPv6 is in our DNA! Our tools are the product of nearly a decade of basic research, core patents and intellectual property, and a deep understanding of IPv6. SixInt’s distributed measurement platform collects *billions* of data points each day to untangle the complexities of IPv6 and provide unparalleled visibility and data on production IPv6 networks, users, and threats.

* Don’t be left in the dark! Make IPv6 a competitive *strength*.

SixRep

SixRep enables customers to evaluate the reputation of IPv6 (and v4) networks. With patent-pending technology, SixRep provides unprecedented visibility into IPv6:

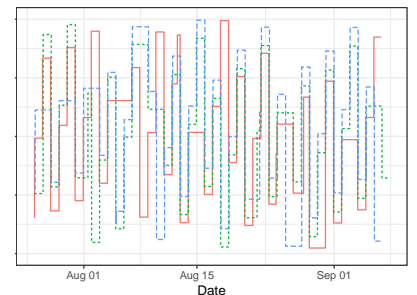
- Malicious activity
- Network hygiene and open services
- Device types and level of exposure
- VPN/Tor exits
- Prefix history

While these metrics are well-understood in the industry, extracting them for IPv6 networks wasn’t – until now. Our proprietary techniques associate each of these features with the correct network scope, eliminating guesswork and collateral damage (e.g. blocklisting too large of a network prefix) or missing the target (e.g. blocklisting only a subset of the affected network). Our customers’ SixRep use cases include:

- Threat and risk analysis
- SIEM and border gateway protection
- Auditing and compliance

SixRep is available by request, contact info@sixint.io for details.

* See what SixRep can do for your business today!



Tracking malicious hosts’ IPv6 prefix movement and history

¹ <https://google.com/ipv6>