



# CautiousConnect

## Safe IPv6 Connectivity

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 connections<sup>1</sup>. 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!*

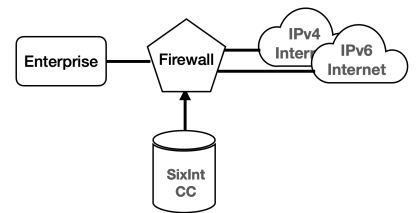
## The SixInt Advantage

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*.

## CautiousConnect

Connect your enterprise to the IPv6 Internet without opening new doors to attacks. IPv6 connectivity brings a wealth of benefits, but brings new demands on the operation and management of infrastructure. CautiousConnect enables organizations to *cautiously* connect to the IPv6 Internet by only permitting traffic to/from known legitimate sources using our proprietary SixInt intelligence. Blocked connections automatically downgrade to IPv4 and your existing policy – so there’s no risk of unintended customer impact, only benefits! The CautiousConnect intelligence feed integrates with your existing security infrastructure – no need to provision new hardware!



CautiousConnect allows organizations to conservatively connect to the IPv6 Internet, using SixInt’s intelligence to only permit known benign traffic

Our customers’ CautiousConnect use cases include:

- Mandated or regulated IPv6 connectivity
- IPv6 trials and beta-testing
- Organization renumbering and re-architecting

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

\* See what CautiousConnect can do for your business today!

<sup>1</sup> <https://google.com/ipv6>