

Securing Data in Transit

With more data in transit every year, data becomes much more important and valuable.

The Business Need for Increased Data Security

The global volume of the datasphere—which includes private / public cloud data centers and endpoints—is predicted to grow to an astonishing 175 zettabytes by 2025. Storing this amount of data would take a stack of Blu-ray discs tall enough to reach to the moon 23 times.

Estimates suggest that by 2025, 49% of all data will be stored in public cloud environments, and nearly 30% of generated data will be consumed in real-time. It's critical to secure and protect that data.

Different industries across all verticals—such as financial, healthcare, and government—have the same need for data security in all its forms. Legacy solutions alone can't provide the security or protection that this greater flow of data needs, and don't solve all of the most prevalent security-related problems.

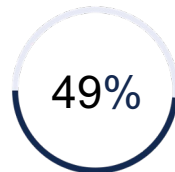
A mature technology that originates with and has been used for years by the US government to protect their most sensitive communications, Eclipz takes the best features that those legacy solutions have to offer, improves them, and better solves those problems to make data in transit more secure.



By 2025 it is predicted that

The global data sphere will grow to

175 zettabytes



OF ALL DATA will be stored in public clouds

Reinsel, D., Gantz, J., & Rydning, J. (2018, November). *Data Age 2025: The Digitization of the World From Edge to Core*. <https://www.seagate.com/files/www-content/our-story/trends/files/ldc-seagate-dataage-whitepaper.pdf>

The Problem with Legacy Solutions

Increased Risk

Legacy solutions in data security allow more risk to manifest because the outdated or vulnerable protocols can't adequately mitigate those risks. The threat landscape is constantly evolving and the associated challenges multiply, so legacy solutions face an even greater struggle in the future.

Increased Cost

Legacy solutions can be costly to implement and manage, and can require the purchase of extra hardware, software, expensive maintenance agreements, and ongoing administrative overhead.

Increased User Friction

Legacy solutions can be difficult to use, implement, manage, and support. They can also require interaction with end users, which hampers overall productivity.



\$150 million

The estimated average cost of a data security breach for a major business

Mangat, M. (2020, January 27). *81 Eye-Opening Data Breach Statistics for 2020*. <https://phoenixnap.com/blog/data-breach-statistics>

Eclipz Solutions

Reimagining Data Security

Proven Success

Eclipz is a fundamental building block to help solution providers—the big players in applications and services—to better secure the transmission of data so that it can't be interfered with, snooped, or watched. Your data is made confidential and is protected.

Eclipz is a strong player in the market, adding value to these solution providers and filling that security need.

The US government chartered the creation of this technology and has been using it for years—and now it's available to a broader market.

Eclipz Solutions

Enhances Security

Eclipz's security is top-notch, and can change and adapt as new protocols emerge in the future. Eclipz filters out unauthorized connection attempts before they reach the destination. Eclipz validates endpoints and encrypts all data within a secure tunnel that use a new key for every new connection, which makes it harder to hack and protects previous data streams.

Lowers User Friction

Eclipz's technology is totally transparent to end users; they don't need to install or configure a thing. Applications don't know Eclipz is there. People don't have to spend time managing and administering app interactions; you don't have to touch or change your apps. Eclipz is embedded and part of the infrastructure. Eclipz is also extremely scalable—you don't have to scramble to adjust everything if you add a bunch of new containers.

Superior Data Technology

In a nutshell, Eclipz's technology is a three-way handshake. When two endpoints want to communicate, Eclipz acts as the intermediary that makes sure it's okay to do so. Eclipz uses policies to verify that each endpoint is allowed to connect. If they are, then Eclipz sets up a secure tunnel so that they can communicate with confidence.



Lowers Cost

You don't have to buy expensive hardware or install any special software in your data center, so you don't have to budget for those associated operational or administrative costs. You can remotely deploy and centrally manage Eclipz, which integrates with existing deployment, certificate, and identity and access management systems.

Get In Touch

20 S. Santa Cruz, Suite 300
Los Gatos, CA 95030
USA

Tel: +1-650-796-2116
Email: sales@eclipzit.com