

Breach Risk Reduction With Zero Trust Segmentation

Contain breaches and ransomware, so they won't compromise your applications, data and business processes. With Illumio, you can build scalable segmentation across your hybrid environment in days.

Your Challenge: Stopping breaches from hurting your business

Organizations have created virtual, hybrid networks that are hard to defend. Composed of a diverse mix of on-premises and cloud systems, it is difficult to track the countless communication pathways running across modern IT environments.

As has been proven over and over again, attackers and ransomware can easily breach business networks. Once inside, the attack can rapidly spread from system to system and compromise your data and business processes.

While organizations have adopted tools like endpoint detection and response (EDR) to stop these attacks, breaches can spread in minutes — and EDR systems can take hours to detect, investigate and respond to attacks.

To reduce the risks from breaches, organizations must contain attacks and stop them from spreading *before* they are detected and remediated.

Illumio does just that. It helps you see and close your biggest risks in minutes, all from a single console.

The Solution: Illumio contains breaches and limits the impact of an attack

Illumio is the pioneer of Zero Trust Segmentation. Illumio makes it possible to restrict communication pathways among your applications and systems, so ransomware and cyberattacks can't reach your key computing resources and data.

With Illumio, you can:

- Instantly create a real-time map that shows how your systems — whether on-premises or in the cloud — are communicating with each other and the outside world.
- Apply targeted microsegmentation to safeguard the critical applications that run your business.
- Protect the rest of your applications by rapidly closing the most common pathways traveled by ransomware and hackers.
- Segment your endpoints and gradually apply finer-grained controls across your network.

The result: When you suffer a breach, you will prevent attackers from moving beyond their initial entry point — greatly limiting the scope of possible damage.

Quickly Reduce Your Risk From a Breach

With Illumio, you can deploy key segmentation controls in a matter of minutes

Proactively Stop Breaches From Spreading

Illumio builds micro-perimeters around your applications. It can stop a breach from spreading past the first compromised system.

Reactively Contain In-Progress Attacks

Within just seconds, Illumio can apply additional restrictive policies during an attack to fully isolate your compromised systems.

Give EDR/MDR More Time to Respond

Illumio stops attacks from causing harm, while EDR and MDR tools can take the time they need to detect, investigate and remediate the security incident.

Illumio makes Zero Trust Segmentation simple, scalable and fast

Don't wait to detect a breach. Assume your network will be breached, and rapidly block all unnecessary traffic to prevent attackers from moving across your network.

Illumio makes it fast, simple and easy to close key pathways that cyberattackers typically exploit — like Remote Desktop Protocol (RDP) — across your entire network. Then you can selectively allow necessary, legitimate traffic through those pathways.

Illumio can manage these pathways in any environment, at any scale, within hours of deployment. Illumio is a flexible solution that can operate on any operating system (OS) — including Windows, Linux, mainframes, and cloud-native OS. It integrates seamlessly with any other security tool — including EDR, MDR (managed detection and response), and DLP (data loss prevention) solutions.



“The speed at which Illumio quarantined our ransomware breach made all the difference. Our security consultants said they had never seen such a rapid — and effective — response.”

IT Executive
Global Law Firm

Illumio gives you a single, easy-to-use Zero Trust Segmentation platform, featuring:

- 1. Real-Time, Comprehensive Visibility:** See all traffic — both north-south and east-west — across your environment. In real-time, know when and how ports and processes are being used.
- 2. Vulnerability Mapping:** Integrate Illumio's visibility with vulnerability scanning tools to see which pathways in your network must remain open for legitimate use and which can be closed.
- 3. Source Process Control:** Disrupt the cyber kill chain by controlling the processes running on a system's outgoing network and preventing “living off the land” attacks.
- 4. Port, Process and Service-Level Targeting:** Deploy highly granular segmentation by applying different policies at each tier — all within a single application's structure and operations.
- 5. A Lightweight Agent Performing Host-Based Segmentation:** Collect large volumes of real-time data without introducing latency, creating slowdowns, or breaking the business by configuring the firewalls native to Windows and Linux operating systems.

Segment to Stop Breaches From Spreading. Try Illumio Today.

With Illumio, you can reduce the risk from breaches and rapidly contain in-progress attacks.

Visit www.illumio.com to learn more.

About Illumio



Illumio, the pioneer and market leader of Zero Trust segmentation, prevents breaches from becoming cyber disasters. Illumio protects critical applications and valuable digital assets with proven segmentation technology purpose-built for the Zero Trust security model. Illumio ransomware mitigation and segmentation solutions see risk, isolate attacks, and secure data across cloud-native apps, hybrid and multi-clouds, data centers, and endpoints, enabling the world's leading organizations to strengthen their cyber resiliency and reduce risk.