illumio

WHAT WE DO

Illumio has developed adaptive micro-segmentation technology that stops the spread of cyber threats inside any data center and cloud.

> "We just kept coming back to the idea that it shouldn't be so hard to proactively stop threats inside data centers and as technologists we had the opportunity to solve it – so we did."

– PJ Kirner

CHIEF TECHNOLOGY OFFICER
AND FOUNDER OF ILLUMIO

Illumio founders, PJ Kirner and Andrew Rubin

WHY RE-INVENT SEGMENTATION?

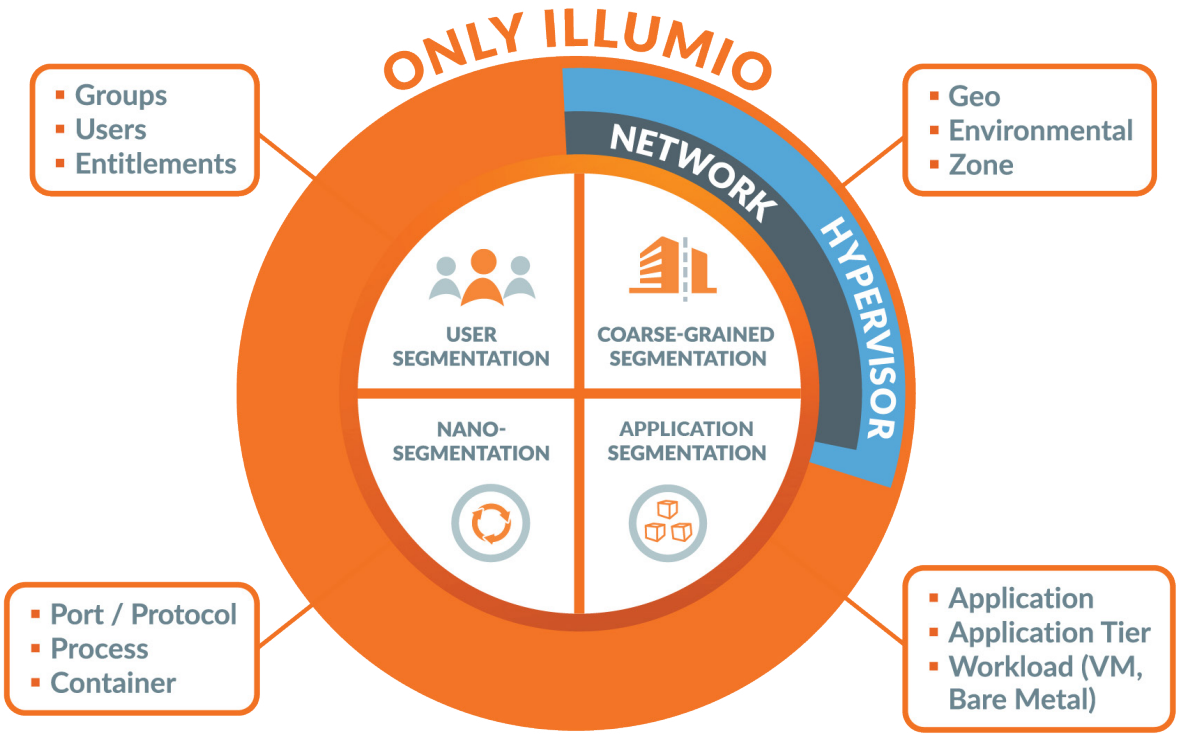
Segmentation is the best way to prevent the spread of threats inside data centers and cloud environments. Traditional network segmentation, well understood by security and infrastructure teams, was designed to subdivide the network into smaller network segments through VLANS, subnets, and zones. Although these constructs can provide some isolation, their primary function is to boost network performance and requires control of the infrastructure, which is often a challenge in the public cloud.

In contrast, Illumio's adaptive micro-segmentation technology enforces security policies – what should and should not be allowed to communicate among various points on the network – by filtering traffic. If networking supports how things can communicate, security dictates if they should.

WHAT DOES ADAPTIVE MICRO-SEGMENTATION GIVE YOU?

SEGMENTATION YOUR WAY

Illumio's adaptive micro-segmentation technology lets you choose the level of segmentation that is right for your environment. We offer the widest range of segmentation options available without all the manual work normally associated with traditional segmentation.



ELIMINATE THE USUAL HEADACHES OF SEGMENTATION

With Illumio, you set up segmentation policies once and then they:

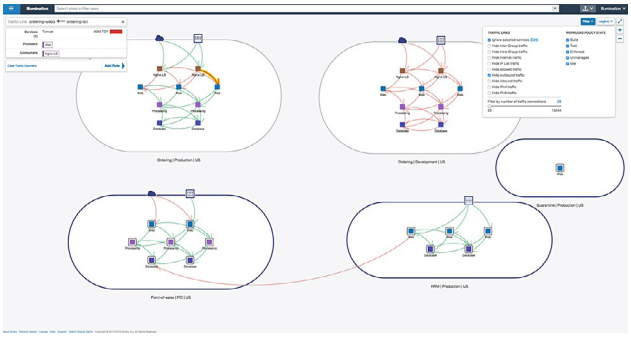
- Work seamlessly between your data center and the public cloud.
- Automatically stay in place as your applications move between environments and locations, or auto-scale up/down.

With the Illumio Policy Compute Engine (PCE) managing segmentation enforcement, your rule management overhead is eliminated for internal data center and cloud security.

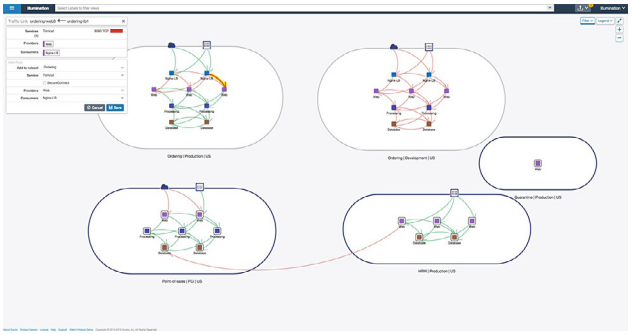
- Morgan Stanley reduced their firewall rules by 90 percent with Illumio.
- Another Illumio customer reduced 15,000 firewall rules to 40 security policies.

BEYOND NETWORK VISIBILITY: THE FIRST STEP IN YOUR SEGMENTATION STRATEGY

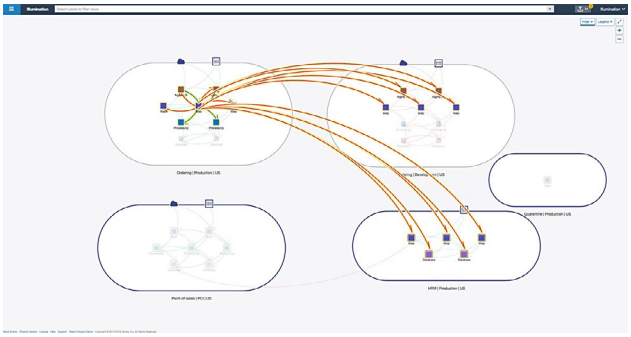
Many vendors in the security industry offer greater "visibility" to your network. Illumio uniquely provides a live application dependency map across your environments showing workloads, applications, and traffic flows so you can see how applications communicate and identify violations quickly. It provides a foundation for creating the right segmentation strategy.



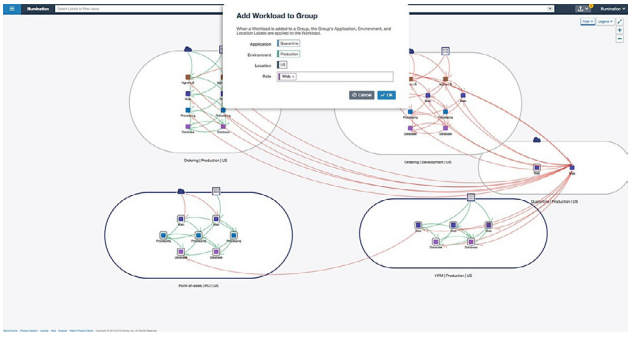
Map Application Dependencies



Orchestrate Security Policies



Identify Rogue Application Behavior



Quarantine Workloads

HOW IS ADAPTIVE MICRO-SEGMENTATION DIFFERENT?

Imagine that a firewall already exists in front of every server, virtual machine, container, or network port in your data center and you could manage all of them simply and automatically at scale. That is what adaptive micro-segmentation provides.

Illumio's PCE – think about it as a central "brain" – activates and manages enforcement capabilities in assets that already exist in your data center and cloud without adding additional hardware or software chokepoints that impact performance and increase complexity. Illumio delivers the *right* segmentation capabilities, from coarse-grain to granular, without adding any new hardware or any dependency on the network or hypervisor. Once your segmentation strategy is in place (we let you model and test it), the PCE ensures that your security policies always stay in place – regardless of any changes in your computing environments.

Deep dive into the Illumio architecture: illumio.com/solution-architecture

As you plan and continue to manage your segmentation strategy, not only can you see what is communicating (and what shouldn't be), we also give you the ability to simply click on the map to enforce or remove a policy. No knowledge of underlying network topology needed.

ABOUT ILLUMIO

Illumio, the leader in micro-segmentation, prevents the spread of breaches inside data center and cloud environments. Enterprises such as Morgan Stanley, BNP Paribas, Salesforce, and Oracle NetSuite use Illumio to reduce cyber risk and achieve regulatory compliance. The Illumio Adaptive Security Platform® uniquely protects critical information with real-time application dependency and vulnerability mapping coupled with micro-segmentation that works across any data center, public cloud, or hybrid cloud deployment on bare-metal, virtual machines, and containers. For more information about Illumio, visit www.illumio.com/what-we-do or follow us @Illumio.

- Engage with Illumio on Twitter
- Follow Illumio on LinkedIn
- Like Illumio on Facebook
- Join Illumio on G+
- Subscribe to the Illumio YouTube Channel

CONTACT US

For more information about Illumio ASP and how it can be used to achieve environmental separation, email us at illuminate@illumio.com or call 855-426-3983 to speak to an Illumio representative.

Illumio, Inc. 160 San Gabriel Drive, Sunnyvale, California 94086 Tel (669) 800-5000 www.illumio.com