

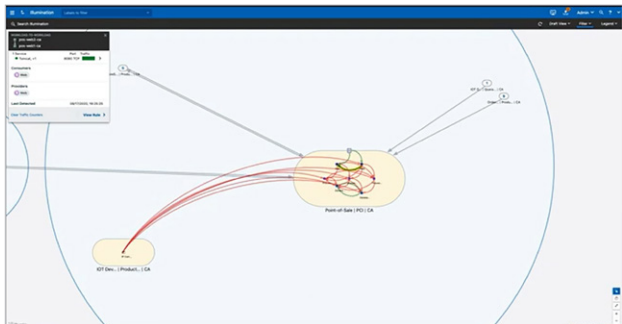
Effectively managing risk, vulnerabilities, and compliance

A micro-segmentation project cannot be successful without managing risk, vulnerabilities, and compliance in the context of affected business applications.

A successful micro segmentation strategy requires a clear understanding of what business applications map to which security rules.

By integrating Illumio with AlgoSec, the AlgoSec AppViz add-on discovers, identifies, and maps business applications, ensuring visibility of the network connectivity flows associated with each business application. This provides critical information regarding the firewalls and firewall rules supporting each connectivity flow.

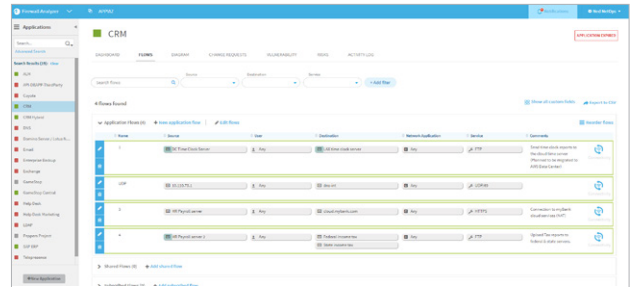
It is important to understand what business applications are impacted when evaluating the risk and compliance state of an organization's network segmentation policy.



With AlgoSec, you can prioritize vulnerabilities and patches based on the affected applications. You can view aggregated information about the network security risks and vulnerabilities relevant to each business application.

AlgoSec's AppViz provides a concise, human-readable view into business application connectivity, including:

- Automated application architecture
- Security governance zone overlay and diagram.
- Optimized business application flows
- Automated mapping of business applications to downstream device changes



Integration details

AlgoSec Script will automatically import flows data from Illumio via API, and create a CSV file with the following columns: (Source IP, Source Name, Destination IP, Destination Name, Service, Service Name, Application Name)

The following APIs will be used:

- [Retrieve all labels](#)
- [Create a search for traffic flows](#)
- [Download search results](#)

AppViz application discovery

The following process will be required to create an application in AppViz.

1. Login to AppViz as Admin
2. Select "Discovery" > "Import Flows From File"
3. Select a relevant file and follow the wizard instructions to import the application flows

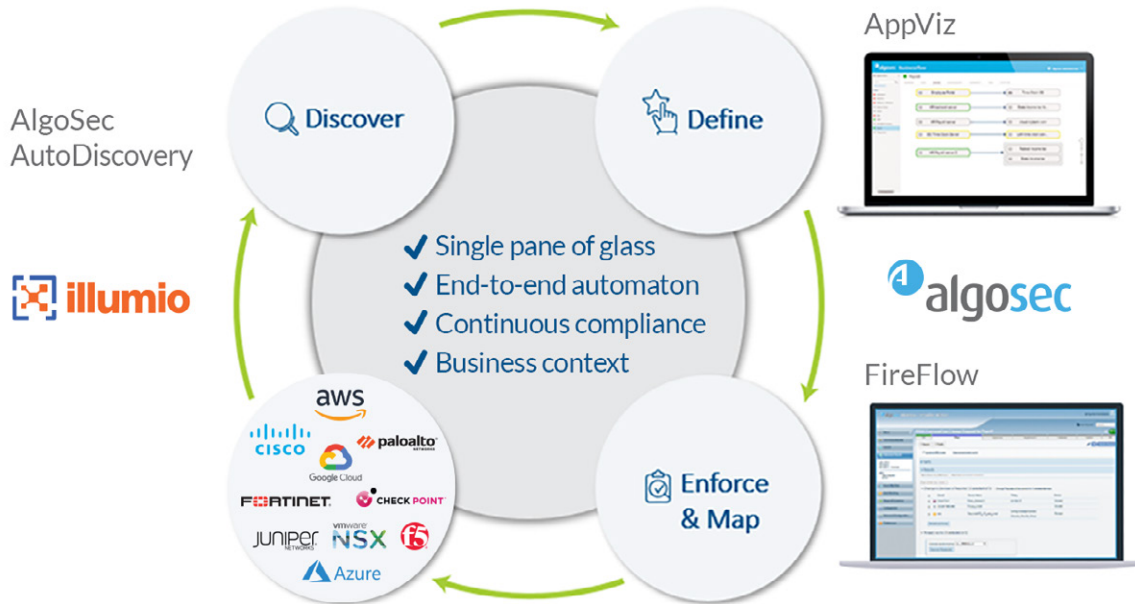
Solution description

- Periodically, Illumio exports application connections to files.
- The AlgoSec solution
 1. Retrieve the Illumio files
 2. Parse the data
 3. Optimize the multiple connections to wide flows
 4. Create Applications and Flows in AppViz

Objective

Policy creation on the Firewalls via AppViz

Architecture Diagram



- Unified and consistent management of network security policies in hybrid networks.
- Comprehensive visibility of security policies across the hybrid network environment.
- Extend micro-segmentation to legacy, appliance-based, and hybrid environments, spanning on-premises and private cloud.
- Ensure consistent segmentation policies and labeling without duplication throughout the network.
- Streamline communication of Illumio-enforced policies to non-technical business application owners.
- Swiftly implement changes and secure the entire network environment in minutes.

About AlgoSec

AlgoSec, a global cybersecurity leader, empowers organizations to secure application connectivity by automating connectivity flows and security policy, anywhere.

The AlgoSec platform enables the world's most complex organizations to gain visibility, reduce risk, achieve compliance at the application-level and process changes at zero-touch across the hybrid network.

Over 1,800 of the world's leading organizations trust AlgoSec to help secure their most critical workloads across public cloud, private cloud, containers, and on-premises networks.

