algosec

Secure application connectivity.
Anywhere.

AlgoSec application discovery
Enhance the discovery of your network applications

AlgoSec application discovery enhances the identification of business applications and services based on actual traffic flows and generates an up-to-date connectivity map for all applications.

Business applications rely on a complex set of connectivity flows, spanning multiple servers and networks. Companies often struggle to identify their applications and the network traffic flows their applications depend on because they have little or no up-to-date documentation. This is important to understand the relationship between IT and business, and critical when business applications are moved or migrated.

Automatically discover your traffic flows, connect them to your network applications, and accelerate application discovery.

AlgoSec application discovery helps you:

Analyze and **visualize** your network traffic

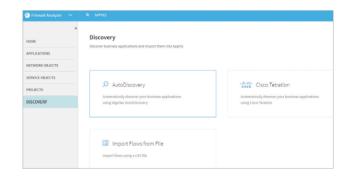**Improve** your firewall performance and management

Automatically document traffic changes

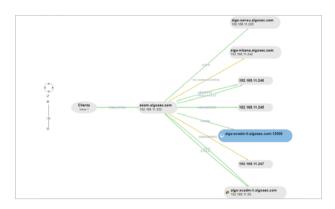**Identify** the applications running on your network

Key benefits

- Accelerate application delivery
- Reduce the cost of manual application connectivity mapping efforts
- Avoid application outages due to network device misconfigurations
- Simplify application and server migrations
- Enforce security and compliance across the data center
- Align application, security and network teams

Clearly visualize your network traffic

AlgoSec application discovery analyzes your traffic flows, turning them into a clear map.

It receives network traffic metadata as NetFlow, SFlow, or full packets and then digests multiple streams of traffic metadata to let you clearly visualize your network traffic.

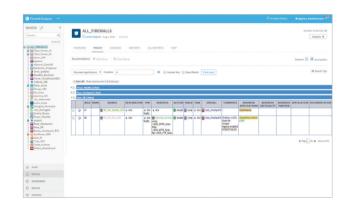## Improve firewall performance and management

Your application contains many connections between different servers. The advanced optimization algorithm aggregates a group of connections into thick flows. Using these thick flows prevents overloading multiple rules on the firewalls which can lead to performance degradation. This also simplifies the experience of the security operation expert, making the firewall rules clearer to understand and manage. Moreover, the algorithm predicts the future behavior of the traffic and assures it is aligned with the enforcement policy.

Automatically document traffic changes

Once applications are discovered and optimized, the system keeps tracking changes in these applications. Once new connections are discovered in the network, the application description is updated with the new flows.

Identify the network applications associated with traffic flows

AlgoSec's advanced algorithm enables you to identify the applications running on your network. The system can filter out traffic with low frequency and keep connections that appear more frequently. Using deep packet inspection and DNS, AlgoSec identifies the name and purpose of the application.

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.

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