

# ALGOSEC AUTODISCOVERY

## AUTOMATICALLY DISCOVER YOUR NETWORK APPLICATIONS



AlgoSec AutoDiscovery automatically identifies 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



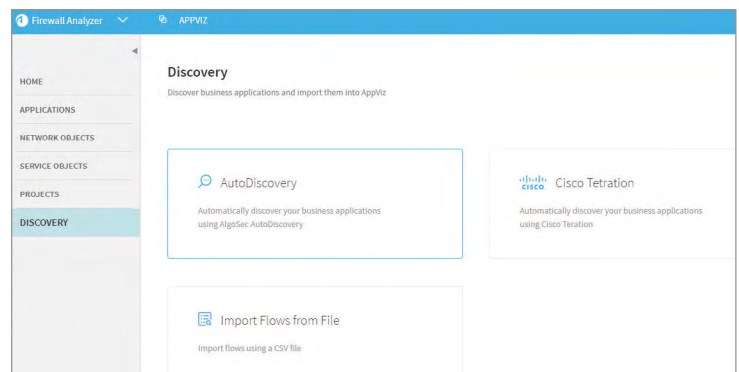
**AUTOMATICALLY** document traffic changes



**IDENTIFY** the applications running on your network

### Key Benefits

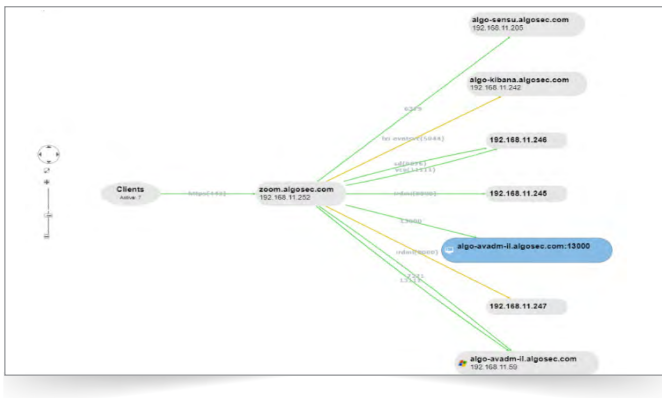
- Accelerate application delivery
- Reduce the cost of manual application connectivity mapping efforts
- Avoid application outages due to network device misconfigurations
- Simplify application and server migrations
- Enforce security and compliance across the data center
- Align application, security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



## Clearly Visualize Your Network Traffic

AutoDiscovery analyses your traffic flows, turning them into a clear map.

AutoDiscovery 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

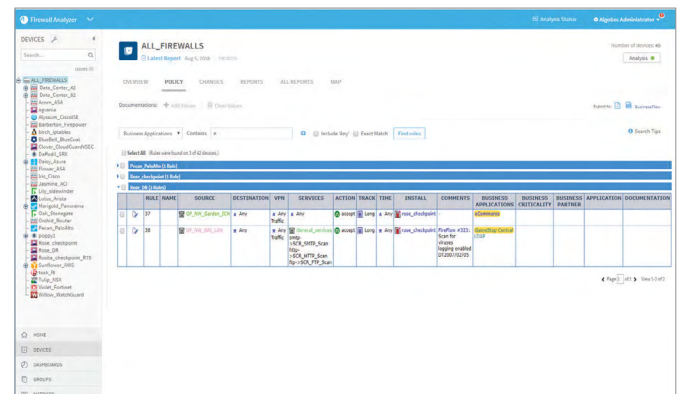
Your application contains many connections between different servers. The advanced optimization algorithm aggregates a group of connections into thick flows. Using these thick flows prevents overloading multiple rules on the firewalls which can lead to performance degradation. This also simplifies the 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

With AlgoSec's advanced algorithms, AutoDiscovery identifies 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, AutoDiscovery identifies the name and purpose of the application.



Rule Name	Source	Destination	Action	Track	Time	Install	Comments	Business ID	Business ID	Business ID	Application	Documentation
32	192.168.1.100	any	deny	any	any	any	any	any	any	any	any	any
38	192.168.1.100	any	deny	any	any	any	any	any	any	any	any	any