algosec

SIMPLIFY AND ACCELERATE LARGE-SCALE APPLICATION MIGRATION PROJECTS

Migrating applications to the cloud or to another data center – without creating security gaps or causing application outages – is far easier said than done.

Understanding and mapping existing application connectivity flows for complex enterprise applications pre-migration – which is critical in order to re-establish the correct traffic flows post-migration – is extremely difficult. There's usually little to no up-to-date documentation on existing application connectivity and it can take months to gather the necessary information, understand the requirements and then painstakingly adjust and migrate every firewall rule, router ACL and cloud security group to the new environment. A single mistake can cause outages, compliance violations and create holes in your security perimeter. All in all, migrating applications is a complex, tedious and error-prone process that can take months, and often compromises security, compliance and business agility.

Simplify and accelerate large-scale complex application migration projects

Through its application-centric approach to security policy management, AlgoSec simplifies and accelerates complex migration projects involving multiple applications and servers.

AlgoSec automatically discovers and maps existing applications and their connectivity flows. Then, through easy-to-use workflows, AlgoSec plans security policy changes and migrates connectivity flows en-masse to the new location or cloud platform – all while ensuring the integrity of the security policy, network access, and compliance. AlgoSec also removes redundant security policies in order to plug gaps in the network perimeter.

Highlights

- Save time and money by automatically identifying all applications and their connectivity flows

- Drastically simplify the application connectivity migration process

- Minimize business disruption and avoid application outages during migration

- Gain in-depth visibility of the entire migration process

- Reduce risk and ensure continuous compliance across the entire enterprise environment

- Unify security policy management across the entire enterprise environment
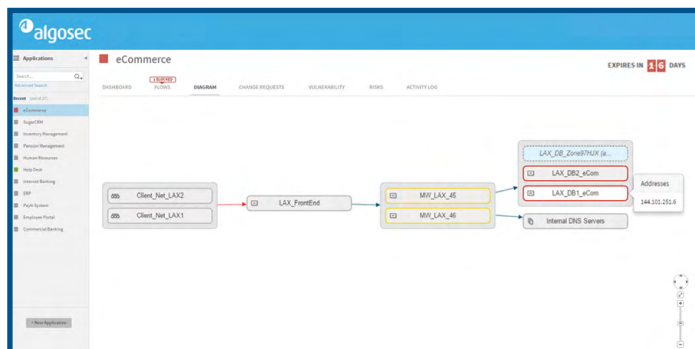
Automatically discover and map application connectivity

AlgoSec automatically discovers and maps the existing network infrastructure, including security devices and connectivity flows, for every application you want to migrate to the cloud or to another data center. With this information you can accurately define the application connectivity flows needed in the new environment – before migration – and assess the impact of these connectivity changes on performance and compliance across the enterprise network.
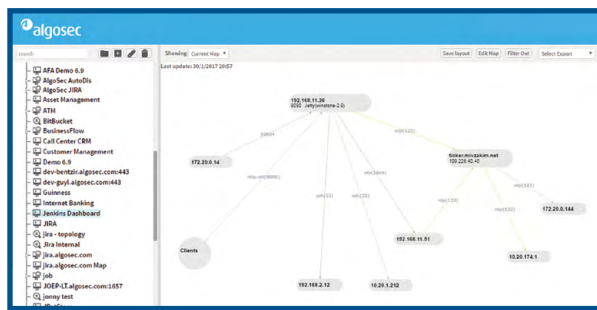
Automatically generate and execute security policy changes through easy-to-use workflows

When you're ready to migrate, AlgoSec's easy-to-use workflows will navigate you through the entire process. AlgoSec provides recommendations on how to modify the connectivity flows, and can generate hundreds of security policy change requests for traditional firewall and router rules as well as cloud security groups – thereby simplifying an extremely complex and risky process, and saving significant time and effort.

Next, AlgoSec automates the entire security policy change process and can even apply changes directly on the security devices – all with zero-touch.

Assess risk and ensure compliance throughout the migration process

AlgoSec proactively assesses the impact of every proposed change to the security policy before its implemented to minimize risk, avoid outages and ensure continuous compliance. Additionally, through its integration with leading vulnerability scanners AlgoSec maps security vulnerabilities to their applications in real time, giving you the information you need to assess and prioritize risk to your business.

Automatically identify and decommission redundant firewall rules

With AlgoSec you can automatically identify and remove unused firewall rules before migration, which will significantly reduce the quantity of rules that need to be migrated. This pre-migration cleanup will help streamline both the migration process and post migration testing.

Furthermore, once the migration process has been completed, AlgoSec uniquely identifies redundant firewall rules that can be safely removed in the original environment, as well as the rules that should not be removed because they are still being used by other applications – helping you avoid gaps in your security perimeter and ensure a clean network environment.

Accurately plan, execute and track all stages of a complex application migration project

AlgoSec provides an intelligent project management framework through which you can accurately plan, execute and track all stages of a complex application migration project, while ensuring security, compliance and business continuity throughout the project.

Unify security policy management across the enterprise environment

Once the application has been migrated, AlgoSec delivers unified automated security policy management across the entire enterprise environment including traditional and next-generation firewalls, and security controls deployed on public and private clouds.