

BUSINESS-DRIVEN SECURITY MANAGEMENT FOR FINANCIAL INSTITUTIONS

Financial institutions are constantly seeking to better serve their customers and maintain a competitive edge through new technology innovations and digital transformation initiatives. Yet often, these organizations fall behind on delivering these new innovations into production.

Their network and security operations teams are hampered by manual, slow and error-prone security change management processes, and the ever-increasing demands of industry regulations. It often takes several days, or even weeks to process a single change across a complex enterprise environment, which often needs hundreds of these changes each month, directly impacting time-to-market.

Key security policy management challenges for financial institutions include:

- Manual and error-prone change management processes that delay time-to-market.
- Cumbersome and time-consuming auditing preparation processes and audit failures.
- Documenting all firewall changes, reviews and approvals
- Getting a consistent view of security across the enterprise network environment.
- Migrating application connectivity to the cloud and preventing outages.
- Proactively identifying risk and compliance violations before they impact business agility.

Automate Security Policy Change Management with AlgoSec

With AlgoSec's automated security policy management, you can process security policy changes in minutes, and avoid guesswork and manual errors, while reducing risk and enforcing compliance. Using intelligent, highly customizable workflows AlgoSec automates the entire security policy change process — from planning and design through submission, proactive risk analysis, implementation, validation and auditing — all with zero-touch.

As part of this process AlgoSec automatically analyzes all change requests and identifies all devices across the network which will be impacted by the request, and then specifies the most optimal and secure implementation for change requests that utilize existing firewall rules and objects whenever possible, to reduce policy clutter and complexity. Furthermore, unnecessary (“already works”) change requests are closed and requestors are notified — helping to prevent up to 30% of change requests from being processed unnecessarily.

Key Benefits

Get consistent security management across any heterogeneous network environment.

Deploy applications faster by automating network security change management processes.

Avoid security device misconfigurations that cause outages.

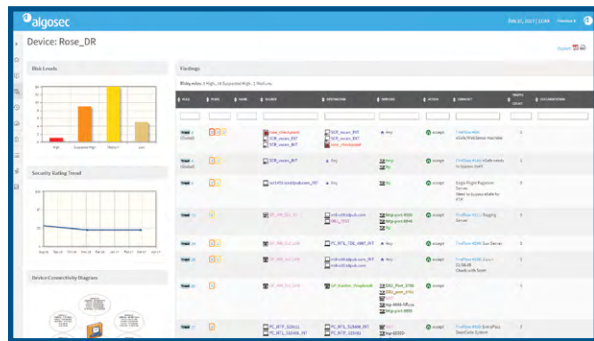
Migrate application connectivity to the cloud quickly and easily.

Reduce the costs and efforts of firewall auditing and ensure success.

Facilitate effective communication between security teams and application owners.

Proactively Assess and Manage Risk

AlgoSec proactively assesses the impact of every proposed change to the security policy before its implemented to minimize risk, avoid outages and ensure compliance. AlgoSec leverages the broadest risk knowledgebase which includes industry regulations and best practices and corporate-defined policies. Additionally, through its integration with leading SIEM solutions and vulnerability scanners, AlgoSec links cyber-attacks and vulnerabilities to their business processes, giving you the information you need to assess, prioritize and mitigate risks to your organization.



Cleanup and Optimize Firewall Policies

AlgoSec continuously analyzes the existing network security policies and provides actionable recommendations to help cleanup and reduce risk. AlgoSec can uncover unused or duplicate rules, initiate a recertification process for expired rules, provide recommendations on how to consolidate or reorder rules for better performance, and tightens overly permissive "ANY" rules — without impacting business requirements. All changes are defined, implemented and validated through AlgoSec's automated change management process.

Automate Firewall Auditing and Ensure Continuous Compliance

AlgoSec automatically generates pre-populated, audit-ready compliance reports for all the leading industry regulations, including SOX, BASEL II, GLBA, PCI-DSS, and internal corporate policies — which helps reduce audit preparation efforts and costs by as much as 80%. AlgoSec also uncovers gaps in the compliance posture and proactively checks every change for compliance violations — giving you the information you need to remediate problems before an audit, and helping to ensure continuous compliance across the enterprise.

Migrate Business Application Connectivity to the Cloud

AlgoSec simplifies and automates the complex process of migrating application connectivity to the cloud. Through AlgoSec's built-in workflows, you can simply select the applications you want to migrate and AlgoSec automatically identifies all the relevant connectivity flows, generates the necessary change requests for the underlying firewall rules and implements them — all while ensuring the integrity of the security policy and network access.

Integrate Security into the DevOps Lifecycle

AlgoSec extends automated security policy management into existing DevOps practices and tools — from build, through QA, to deployment into production. This allows for better collaboration between security and the DevOps teams, and enables faster deployment into production while ensuring that the entire development and enterprise environment is fully secure and compliant at all times.

Unify Security Policy Management Across the Hybrid Enterprise

AlgoSec seamlessly supports traditional firewalls, NGFWs and cloud security controls as well as routers, load balancers and web proxies, and SIEM solutions from the leading vendors to deliver unified security policy management across any heterogeneous cloud, SDN and on-premise enterprise network.



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