



# AlgoSec

Managing Security at the Speed of Business



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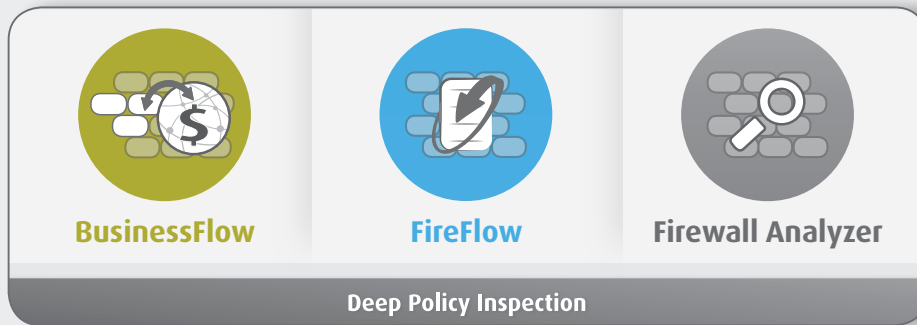
[AlgoSec.com](http://AlgoSec.com)

# Award-Winning Security Management Suite

As corporate networks, data centers, and the security infrastructure that protects them continue to grow in size and complexity, so too does the security policy. Firewalls and routers not only filter network traffic for improved security, but also enable connectivity for what powers your business - the applications in your data center. Manually managing complex security policies to address business requirements, security, and compliance mandates oftentimes results in higher costs, unnecessary risk and the inability to keep up with the speed of the business.

The AlgoSec Security Management Suite delivers an automated and application-centric solution for managing complex policies across firewalls, routers, switches and web proxies to improve both security and business agility. The AlgoSec Suite bridges traditional gaps between security, network and application teams to:

- Streamline security operations and change management
- Ensure continuous compliance
- Accelerate application delivery and ensure availability
- Understand risk from the business perspective
- Deliver a tighter security policy that offers better protection against cyber-attacks



## Trusted and Deployed by More Customers

More than **1000 organizations** in over 50 countries and across all industry verticals rely on AlgoSec to automate security policy management. From Fortune 500 companies, to leading service providers and mid-sized companies, customers choose AlgoSec for its unique combination of superior technology and dedication to customer success.



*"Because the tool now does the heavy lifting for us, it allows the engineers to focus more on providing greater levels of security than on process and change."*

Phil Packman, General Manager Security Gateway Ops



*"It was obvious that AlgoSec wanted to be a partner rather than just sell a product off the shelf."*

Peter Erecg, Head of IT Security



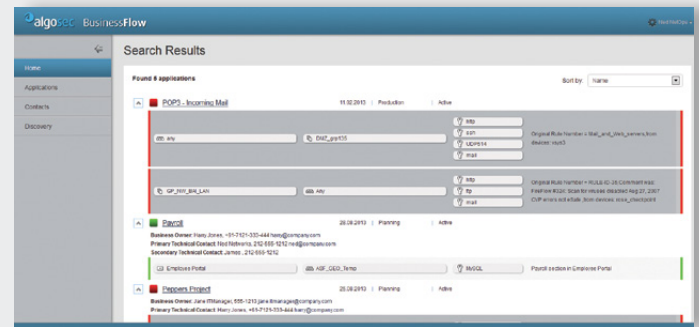
## Backed by the Industry's Only Money-Back Guarantee

AlgoSec is committed to ensuring the complete satisfaction of our customers through leading product innovation, world-class support and the industry's only money-back guarantee. Visit [algosec.com/satisfaction](http://algosec.com/satisfaction) to learn more.

## Data Center Application Connectivity Management

AlgoSec BusinessFlow bridges the gap between application, security and operations teams by delivering innovative application-centric security policy management that ensures faster service delivery and maximizes application availability. BusinessFlow enables application owners and network security teams to:

- Enable faster security provisioning, maintenance and safe decommissioning of critical data center applications
- Quickly react to changes in network infrastructure or application connectivity requirements
- Improve visibility of business application connectivity requirements and application vulnerabilities



### Automatically Translate Connectivity Requirements to Firewall Rules

BusinessFlow enables changes for evolving application connectivity requirements to be quickly and accurately processed by automatically computing the necessary changes to the underlying firewall rules and triggering the relevant change requests in AlgoSec FireFlow.

### Assess the Impact of Network Changes on Application Availability

BusinessFlow provides key insight into business applications and the underlying connectivity flows that may be impacted by firewall rule changes and planned or unexpected server and device outages. This is critical for understanding the impact to key applications when conducting data center migrations or decommissioning a server.

### Ensure Secure Decommission of Applications

Safely remove network access that is no longer required for decommissioned applications to ensure that the security policy is hardened without impacting the availability or performance of other business applications.

### Enhance Visibility through a Central Application Connectivity Portal

A consolidated and up-to-date view of required application connectivity enables security and network teams to communicate more effectively with business application owners for accelerated service delivery.

### Intelligently Discover Application Connectivity

Powerful discovery capabilities enable firewall and router access rules to be mapped to existing applications, dramatically reducing the time and effort to populate the application repository.

### Prioritize Application Vulnerabilities

BusinessFlow enables risk to be viewed from the business perspective by integrating with leading vulnerability scanners to display vulnerabilities associated with data center applications. As application flows change, vulnerability scores are automatically updated to ensure an always up-to-date view of risk to the application.

### Accelerate Data Center Consolidation and Cloud Migration

BusinessFlow helps ensure the connectivity between onsite and cloud application components during a data center migration, to remove access no longer needed for decommissioned legacy servers and to maintain connectivity after a migration is complete.



**"AlgoSec helped us reduce 80% of the time required to migrate the security of our applications as part of our data center consolidation project."**

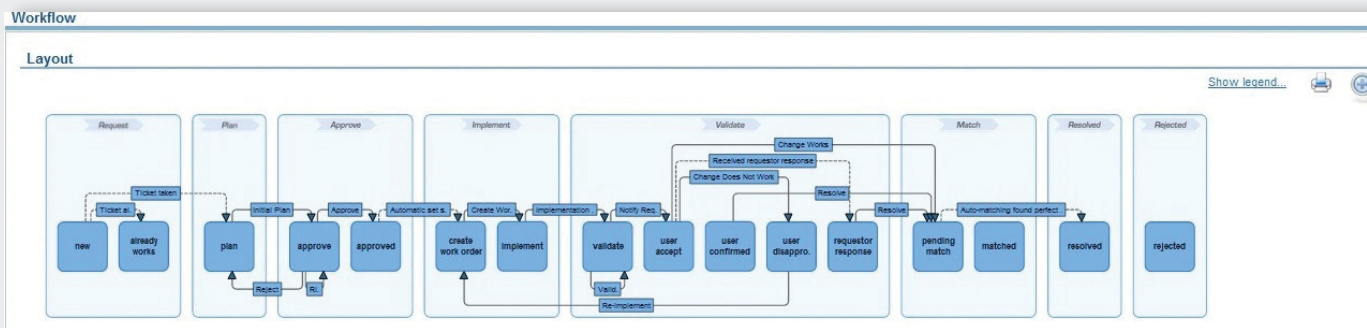
**Bruno Rolleau, Network Security Architect, Sanofi**



## Security Policy Change Automation

AlgoSec FireFlow automates the entire security policy change workflow – from submission and design to risk analysis, implementation, validation and audit. FireFlow seamlessly integrates with and adds intelligence to existing service desk ticket systems, enabling security and operations teams to:

- Reduce the time required to process firewall changes by as much as 60%
- Increase accuracy and accountability of change requests
- Enforce compliance and mitigate risk from improper and out-of-process changes



### Automate the Security Policy Change Workflow

FireFlow delivers out-of-the-box workflows for adding new rules, removing rules, changing objects and recertifying rules, enabling organizations to tackle more real-life scenarios and improve operational efficiency.

### Analyze Change Requests to Ensure Compliance and Mitigate Risk

FireFlow automatically analyzes every proposed change – before it is implemented – to ensure compliance with regulatory and corporate standards. FireFlow leverages the broadest risk knowledgebase that includes industry best practices, regulations such as PCI-DSS and SOX, as well as corporate-defined policies.

### Eliminate Guesswork with Intelligent Change Design

FireFlow's topology-aware algorithms automatically verify change requests against network traffic to detect unneeded ("already works") changes and notify requestors, which can reduce up to 30% of change requests from being unnecessarily processed. FireFlow's detailed and actionable recommendations specify the most optimal and secure implementation, pinpointing the relevant devices and rules to add, delete or edit.

### Save Time and Avoid Manual Errors with Automatic Policy Push

FireFlow can automatically implement recommended policy changes on Check Point, Cisco and Juniper firewalls.

### Prevent Mistakes and Unauthorized Changes through Auto-Validation and Reconciliation

FireFlow automatically validates the correct execution of change requests to prevent the pre-mature closing of tickets. Auto-matching prevents unauthorized changes by detecting actual policy changes and correlating them with request tickets.

### Customize Change Workflows to Meet Your Unique Requirements

FireFlow makes it easy to tailor workflows to each organization's specific requirements and its flexible roles and workflow logic ensure accountability and governance. Additionally, pre-populated templates save time and improve communication and clarity between requestors and firewall administrators.

### Track and Audit the Entire Change Lifecycle

Detailed reports track the entire change lifecycle, providing SLA metrics and greatly simplifying auditing and compliance efforts.

### Integrate with Existing Change Management Systems (CMS)

FireFlow seamlessly integrates with existing CMS such as Remedy, ServiceNow and HP Service Manager. Status of tickets created in the CMS is continuously updated.



"With AlgoSec, it now takes us half the time to employ firewall changes. Plus the solution provides us with intelligence that reduces human error and risk."

Saúl Padrón, Manager of Information Security

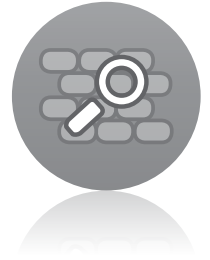
Telefonica

# AlgoSec Firewall Analyzer

## Security Policy Analysis and Audit

AlgoSec Firewall Analyzer (AFA) provides visibility and control of complex security policies to automate firewall operations and ensure network security devices are properly configured. AFA enables security and operations teams to:

- Reduce firewall audit preparation time by 80%
- Streamline firewall operations and improve firewall performance
- Ensure a tighter security policy for improved protection against cyber-attacks



### Gain Visibility of Your Security Policy

AFA provides visibility of complex networks and security policies to make daily firewall operations easier and more effective. AFA automatically generates an interactive topology map of all network firewalls and routers, subnets and zones, and delivers instant visibility of the impact of security policies on network traffic through powerful troubleshooting, change planning and “what-if” queries.

### Monitor All Network Security Policy Changes

All changes in the network security policy are monitored and logged and administrators receive real-time e-mail alerts for unauthorized or risky changes.

### Clean up and Optimize Firewall Rulesets

AFA discovers unused, covered, duplicate and expired rules and objects, and can even consolidate similar rules. Additionally, AFA provides explicit recommendations on how to reorder rules for optimal firewall performance while retaining the policy logic.

### Ensure a Tighter Policy without Impacting Operations

AlgoSec Intelligent Policy Tuner™ reduces risk without impacting business needs by automatically identifying and tightening overly permissive rules (e.g. ANY Service, Application, etc.) based on actual usage patterns.

### Discover and Mitigate Risky Firewall Rules

All risks and their associated rules in the firewall policy are identified and prioritized. AFA relies upon the broadest risk knowledgebase, consisting of industry regulations and best practices, as well as customized corporate policies, to ensure more risks are uncovered.

### Mitigate Cyber Threats with Baseline Configuration Compliance

Define baselines for device configurations to minimize system risks that can be exploited by cyber criminals and generate reports to identify non-compliant configurations.

### Generate Automated Audit and Compliance Reports

AFA automatically generates reports for corporate and regulatory standards, such as PCI-DSS, SOX, FISMA and ISO, to greatly reduce audit preparation efforts and costs – by as much as 80%. AFA can aggregate findings across multiple firewalls through a single report, which provides more holistic visibility into risk and compliance associated with a group of devices.

### Simplify Data Center Migrations

AFA simplifies complex data center migrations by providing security policy visibility across multiple devices. IP addresses of servers which need to be migrated and that are contained within firewall objects and rules can be instantly discovered. Detailed and actionable reports help ensure the security policy is properly migrated along with the network components.

“Now we can get in a click of a button what took two to three weeks per firewall to produce manually.”

Marc Silver, Security Manager





# Specifications

## Devices Supported

Check Point	FireWall-1®, Provider-1®, SmartCenter	v3.0 and up ,NG, NGX, Software Blade Architecture (R7x) - including Application Control and Identity Awareness
	VSX	All versions
	Security Gateway VE	All versions
Cisco	PIX, ASA Series	v4.4 and up
	Firewall Services Module (FWSM)	v1.0 and up
	Cisco Router Access Control Lists	All versions
	Cisco Layer-3 Switches	All versions
	Nexus Routers	All versions
	Cisco Security Manager	v4.3
Juniper	NetScreen Series	v5.0 and up
	Network and Security Manager (NSM)	v2008.1 and up
	SRX Series	All versions
	Space	All versions
Fortinet	Fortigate	FortOS 3.x and up, including VDOM
	FortiManager	v4.x
Palo Alto Networks	PAN-OS	v4.x and up
McAfee	Firewall Enterprise (formerly Sidewinder)	v7.x and up
Blue Coat Systems	Proxy SG	v5.x and up



### Supported Devices for Change Monitoring\*

F5	Big-IP Family
Juniper	Secure Access SSL VPN, J Series, M/MX Series Routers
Linux	Netfilter/Iptables
Stonesoft	StoneGate
WatchGuard	XTM

\*Additional devices can be added via the AlgoSec Extension Framework

### Supported Change Management Systems\*\*

BMC	Remedy
ServiceNow	Change Management
HP	Service Manager
CA	Service Desk Manager

\*\*Additional change management systems can be supported by AlgoSec professional services

### Supported Vulnerability Scanners

QualysGuard	v7.0 and up
Nessus Vulnerability Scanner	v5.0 and up



Evaluate Today. Request a free 30-day evaluation at: [AlgoSec.com/Eval](http://AlgoSec.com/Eval)



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