

PARTNER SOLUTION BRIEF: ALGOSEC & PALO ALTO NETWORKS



Next-Generation Firewalls (NGFWs) offer important capabilities to better protect your networks and data centers. But much like traditional firewalls, relying on manual processes for change management, risk analysis, auditing and compliance, and many other security policy management tasks can introduce mistakes, slow down operations and put your business at risk.

Security and Operations teams must also be mindful that application and user-based policy granularity offered by NGFWs can potentially increase complexity, especially when managed alongside traditional port-based firewalls. You need visibility, control and intelligent automation to enable NGFW projects to live up to their expectations.

The AlgoSec Security Policy Management Solution for Palo Alto Networks

AlgoSec seamlessly integrates with Palo Alto Networks NGFWs to automate application and user aware security policy management and ensure that Palo Alto Networks' devices are properly configured. AlgoSec supports the entire security policy management lifecycle — from application connectivity discovery, through ongoing management and compliance, to rule recertification and secure decommissioning.

AlgoSec delivers unique features for Palo Alto Networks NGFWs including:

- Single pane of glass for unified visibility across Palo Alto Networks NGFWs, cloud security controls and traditional firewalls
- Full support for:
 - Panorama™, including nested device group policies
 - App ID™ and User ID™
 - Advanced routing (virtual routers, virtual wire, etc.)
- Zero-touch automated change management, including policy push
- Out-of-the-box regulatory compliance reports (PCI DSS, SOX, HIPAA, and many more)
- Risk assessment and optimization for traditional and next-generation firewall policies
- Intelligent change design at the policy level to support large scale changes

AlgoSec Security Management for Palo Alto Networks

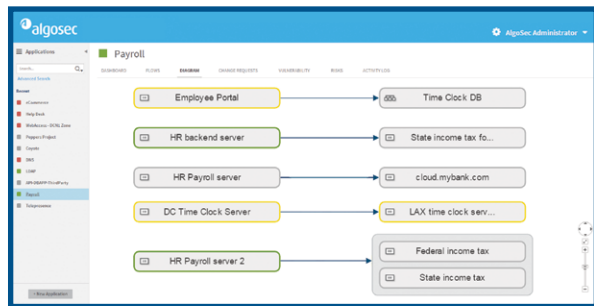
- Unified visibility across NGFWs, traditional firewalls, and cloud security controls
- Fully automated firewall change management – with zero touch
- Policy changes automatically implemented directly on the device
- Network visualization, traffic simulations, risk analysis and policy optimization
- Out-of-the-box compliance reports

Unified Management for the Hybrid Environment

AlgoSec unifies security policy management across Palo Alto Networks next-generation firewalls and traditional firewalls deployed on premise, and security controls deployed on public and private clouds. AlgoSec provides a single pane of glass through which you can seamlessly manage your entire security policy, including change management, policy provisioning, network visualization and traffic simulations, policy and risk analysis, auditing and compliance reporting.

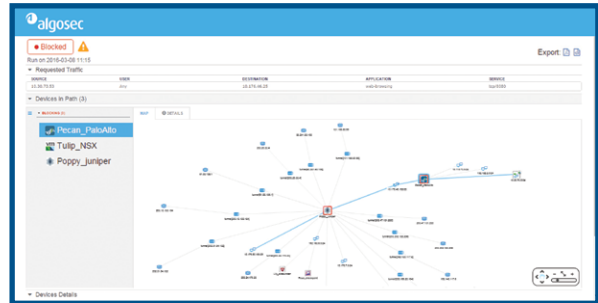
Application Connectivity Management

AlgoSec automatically discovers and maps application connectivity requirements to the underlying network infrastructure, and translates vague requests for connectivity changes into networking terms that security and operations teams can understand, approve and implement. With AlgoSec, organizations can accelerate application delivery, minimize outages and enforce security and compliance across the data center.



Security Policy Change Management

Using intelligent, highly customizable workflows AlgoSec automates the entire security policy change process — from planning and design through submission, proactive risk analysis, implementation on the device, validation and auditing. With AlgoSec you can avoid guesswork and manual errors, reduce risk and enforce compliance.



Firewall Policy Optimization

AlgoSec provides actionable recommendations to help you cleanup and reduce risk across your environment. AlgoSec uncovers unused or duplicate rules, initiates a recertification process for expired rules, provides recommendations for how to consolidate or reorder rules for better performance, and tightens overly permissive "ANY" rules — without impacting business requirements.

Firewall Auditing and Compliance

AlgoSec automatically generates pre-populated, audit-ready compliance reports for most industry regulations, as well as customized corporate policies — which help reduce audit preparation efforts and costs by as much as 80%. AlgoSec also uncovers gaps in your compliance posture and proactively checks all changes for compliance violations so you can remediate problems before an audit, and ensure continuous compliance.

Comprehensive Support for Heterogeneous Environment

In addition to Palo Alto Networks, 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 environment.

