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 many other security policy management tasks can introduce mistakes, slow down operations and put your business at risk.

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.

Unified management for the hybrid environment

AlgoSec unifies security policy management across traditional and Palo Alto Networks next-generation 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, 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
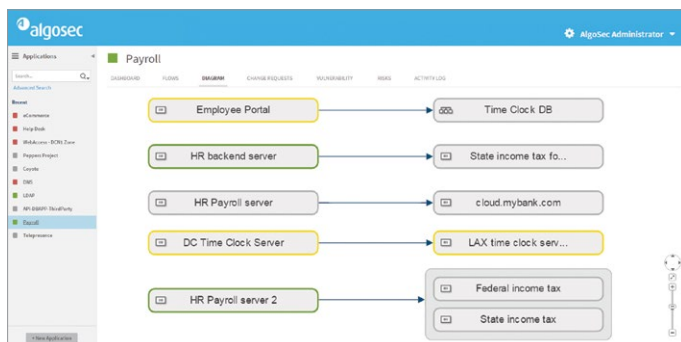
AlgoSec security management for Palo Alto Networks

- 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
- Full support for Panorama™
- Out-of-the-box compliance reports

AlgoSec delivers unique features to Palo Alto Networks:

VISIBILITY visibility across Palo Alto Networks NGFWs, traditional firewalls and cloud security controls and unified topology intelligence

APPLICATION CONNECTIVITY, policy analysis, and change management as part of fully supporting Panorama™, App ID™ and User ID™

ZERO-TOUCH automated change management, including hands-free policy push

OUT-OF-THE-BOX regulatory compliance reports

RISK ASSESSMENT and optimization for traditional and next-generation firewall policies

INTELLIGENT CHANGE design at the policy level to support large scale changes

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 on 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.

About AlgoSec

AlgoSec, a global cybersecurity leader, empowers organizations to secure application connectivity by automating connectivity flows and security policy, anywhere.

The AlgoSec platform enables the world's most complex organizations to gain visibility, reduce risk, achieve compliance at the application-level and process changes at zero-touch across the hybrid network.

Over 1,800 of the world's leading organizations trust AlgoSec to help secure their most critical workloads across public cloud, private cloud, containers, and on-premises networks.

AlgoSec.com