algosec

Secure application connectivity.
Anywhere.

Partner solution brief
AlgoSec security management solution for F5

Today's business environment is continually changing, as business needs rapidly evolve. In this dynamic, complex environment made up of on-premise, SDN and public cloud environments, IT often struggles to gain adequate visibility and control into their complex network. Effective security policy management that accommodates the dynamic nature of today's organizations is a challenge for many IT departments.

Seamless integration with F5

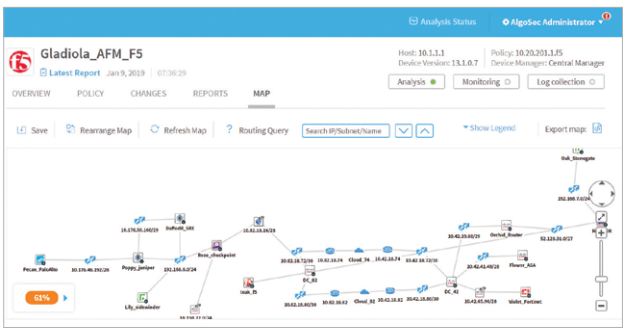
AlgoSec seamlessly integrates with F5 BIG-IP Local Traffic Manager (LTM) and Advanced Firewall Manager (AFM) modules to provide customers with unified security policy management across their heterogeneous networks. AlgoSec delivers visibility and analysis of F5 LTM and AFM and supports the entire security policy management lifecycle — from application connectivity discovery through ongoing management and compliance to rule recertification and secure decommissioning.

Unified visibility for the hybrid environment

AlgoSec automatically pulls information from a wide range of devices to generate an interactive network topology map. This map includes the BIG-IP hosts, as well as your other network security elements, such as on-premise firewalls and cloud security controls. Through this map, you can understand the impact of the F5 BIG-IP on traffic, quickly troubleshoot connectivity issues, plan changes and perform "what-if" traffic analysis. It also helps recognize if there is a virtual server that handles this type of traffic, where the traffic is directed to, and whether a policy blocks or allows the traffic flow. AlgoSec performs traffic simulation queries while considering network and security controls such as LTM NAT, AFM rules, and more.

Partner solution benefits

- Uniform security policy across your hybrid network environment.
- Deploy applications faster by automating network security change management processes.
- Avoid security device misconfigurations that cause outages.
- Reduce the costs and efforts of firewall auditing and ensure success.



AlgoSec delivers unique features to F5 networks

- **Visualization of topology** and routing queries across the BIG-IP virtual server and IP pools for your entire hybrid and multi-vendor environment
- **Change monitoring** tracks changes on F5 BIG-IP
- **Risk assessment** and optimization of F5 policies
- **Out-of-the-box** regulatory compliance reports
- **Generate** AFM policy and virtual server change recommendations
- **Automated** firewall change management to F5 security gateways

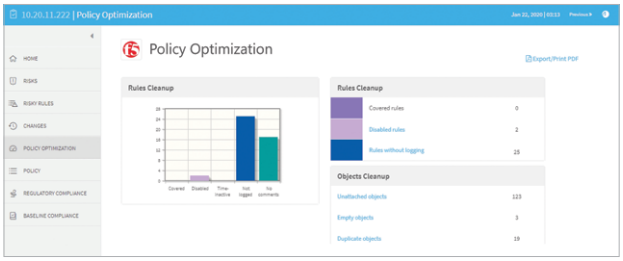
Automate security policy change management

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

As part of this process, AlgoSec automatically analyzes change requests and identifies all devices across the network that may be impacted by the request. Then it specifies the most optimal and secure implementation for change requests that utilizes existing firewall rules and objects whenever possible, reducing policy clutter and complexity. Unnecessary change requests are closed, and requesters are notified — helping eliminate up to 30% of unnecessary change requests.

Cleanup, recertify, and optimize security policies

AlgoSec continuously analyzes existing network security policies and provides actionable recommendations to help clean up and reduce risk across your environment. AlgoSec can uncover unused, obsolete,



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 leading industry regulations as well as customized corporate policies, including SOX, BASEL II, GLBA, PCI DSS, GDPR, and ISO 27001, which helps reduce audit preparation efforts and costs. AlgoSec also uncovers gaps in the compliance posture and proactively checks every policy change for compliance violations so you can remediate problems before an audit and ensure continuous compliance. AlgoSec also provides daily audit and compliance reporting across the entire heterogeneous network estate.

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.

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