

Security Management Solution from AlgoSec



PRODUCT REVIEW

As enterprise networks grow in complexity and move deeper into the cloud, businesses can no longer rely on inefficient and error-prone manual processes to manage their security policies. Major concerns about a lack of network security visibility, cyber-attacks and unauthorised access are also impeding public cloud strategies for many enterprises.

The only way forward is to deploy full network security policy automation. AlgoSec claims that their Security Management Solution is the only product that aligns network security with critical business applications and processes. Capable of discovering, visualising and understanding application connectivity on virtual, cloud and physical infrastructures, AlgoSec provides end-to-end network security policy management, including auto-discovery, application connectivity provisioning, change management workflows plus automated firewall rule deployment.

The three key components of the AlgoSec solution are BusinessFlow, FireFlow and Firewall Analyzer, which seamlessly integrate. AlgoSec supports all leading brands of traditional and next generation firewalls including Check Point, Cisco, Fortinet and Palo Alto Networks, plus VMware and cloud security controls including AWS and Microsoft Azure, and routers, load balancers and web proxies.

BusinessFlow discovers application connectivity using NetFlow data, PCAP sensors and port mirroring. It provides complete visibility of network security across

on-premise and cloud environments and its maps clearly show how all application servers, security devices and endpoints communicate with each other.

While the AlgoSec solution is primarily designed for IT teams, application owners will love BusinessFlow as it shows their apps along with colour-coded status icons and all the flows they use to function. AlgoSec has made every effort to ensure the information is presented in a manner that app owners can clearly understand - and we think it has succeeded admirably.

By selecting an app from the BusinessFlow dashboard you can drill down and see the devices involved, their security policies and all relevant firewall rules. AlgoSec uses an innovative scoring system to show vulnerabilities and selecting one provides an in-depth explanation.

It is easy to add an asset to an app. Once you have updated an application's connectivity, BusinessFlow automatically creates all of the underlying change requests and passes them directly to FireFlow. Next, FireFlow creates an initial plan and detects where changes need to be made. It provides clear reasons for the change requests, runs risk analysis, determines whether any new risks could be introduced and applies smart validation to verify that the changes have been correctly made.

As part of this process, AlgoSec checks to see if security policy changes are in compliance with both industry and organisation defined

regulations and if not, explains why they failed the checks. AlgoSec also provides out of the box audit reports for all the leading regulations including SOX, PCI, HIPAA, NERC, NIST and many more.

Automatic policy push and zero-touch provisioning are a boon for departments such as DevOps. If AlgoSec deems a request is risk-free, it can make all changes without further intervention. The flexibility offered by AlgoSec fits well with diverse management processes because IT support staff can go directly via FireFlow to submit policy changes. However applied, all changes are subjected to the same battery of tests and approval will still be required if any risks are detected.

AlgoSec also cleans up firewalls and avoids policy bloat by looking for existing rules that will work for change requests. It can cleanly decommission apps as well and remove all associated firewall rules.

AlgoSec's Security Management Solution takes the pain out of network security and risk management. It is ideal for projects and processes including application migrations to the cloud or other data centres, provisioning app connectivity, security policy change management, risk management, network segmentation, firewall auditing and even DevOps. **NC**

Product: Security Management Solution
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