algosec

Secure application connectivity.
Anywhere.

Partner solution brief
AlgoSec and VMware

Security policy management for the software-defined data center

Many organizations are now looking to take advantage of the flexibility and cost savings of the Software-Defined Data Center (SDDC). But taking the first steps toward migrating network security to a SDDC can seem overwhelming. Discovering application connectivity dependencies and creating policies for VMware NSX firewalls that will securely manage micro-segments within the SDDC is extremely challenging. Moreover, VMware NSX firewall policies must be managed in conjunction with the rest of your enterprise security infrastructure in order to ensure that your organization is fully secure and compliant.

The AlgoSec security management solution for VMware NSX

The AlgoSec Security Management Solution integrates with VMware NSX distributed firewalls to deliver unified security policy management across your traditional on-premise data center and your SDDC. AlgoSec supports the entire security policy management lifecycle — from application connectivity discovery and migration, through ongoing management and compliance, to secure decommissioning.

Discover, map and migrate application connectivity to VMware NSX

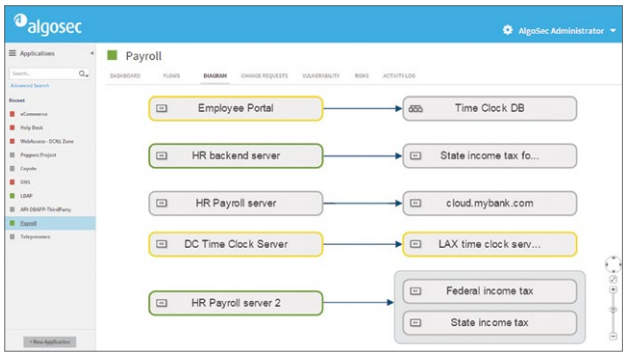
AlgoSec identifies applications and their connectivity flows across your data center, and generates an up-to-date map of your environment — without requiring any prior knowledge or manual configuration by security, networking or application experts.

vmware PARTNER TECHNOLOGY ALLIANCE

AlgoSec security management solution for VMware NSX

- Discover and migrate application connectivity flows to VMware NSX
- Easily create and manage VMware NSX security policies for the micro-segmented environment
- Unify security policy management across your entire enterprise network
- Automatically manage all changes to network security policies and eliminate misconfigurations
- Proactively assess risk and ensure continuous compliance
- Get a tighter security that provides better protection against cyber-attacks

Once identified, AlgoSec can automatically migrate the relevant application connectivity flows to VMware NSX — thereby simplifying an extremely complex and risky process, and saving significant time and effort.

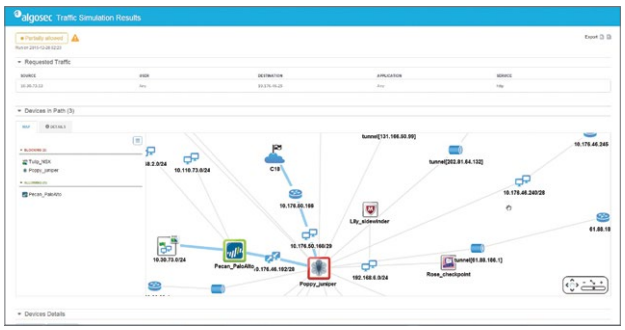


Define and automatically manage security policies for micro-segmentation

Using AlgoSec you can easily create East-West security policies to support your micro-segmentation strategy within the SDDC. Instead of trying to manually figure out all the connectivity flows for each application you can simply select individual flows or groups of flows from the application connectivity map and assign them to specific micro-segments.

Get holistic visibility and unified security policy management

AlgoSec provides visibility across your entire enterprise environment, including all security devices from any vendor, in a single pane of glass, for easy management and troubleshooting of network security policies.



Automatically manage and enforce security policy changes

With AlgoSec you can automatically manage changes to network security policies, whether on VMware NSX firewalls, traditional firewalls or cloud security controls — and eliminate misconfigurations and rework. All changes are monitored and tracked to ensure they adhere to your security policy and regulatory compliance requirements.

Through AlgoSec you can also define and enforce a structured change management process. Any attempt to deviate from the defined policy or process is automatically flagged and prohibited to ensure the continuous integrity and security of your micro-segments.

Assess risk, simplify auditing and ensure continuous compliance

VMware NSX is subject to the same risks, auditing and compliance regulations as all other traditional firewalls and cloud security controls. AlgoSec analyzes every proposed change to your VMware NSX firewalls, and automatically detects unauthorized or risky changes, as well as inefficient or unnecessary policies.

Additionally, AlgoSec generates out-of-the box compliance reports for regulatory standards and corporate policies to provide an accurate, up-to-date picture of your compliance status.

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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