

Insidepacket SSE Platform

Cloud-ready truly converged networking and security with uncompromising performance

THE SSE CHALLENGE

Historically, networking and security evolved in two parallel universes. Cloud-first companies dictated a much faster pace of innovation, and security became a basic essential. The added flexibility of chained software-defined functions came at the cost of sacrificing performance, latency, and manageability. In another universe, the building blocks for handling large-volume traffic remained largely unchanged – inflexible, siloed, poorly integrated, and complex to manage.

SECURITY-FIRST CONNECTIVITY

Insidepacket SSE was built from the ground up as an optimal platform for a modern secure connectivity infrastructure. It combines all-in-software design capable of extreme hardware accelerations, inherent multi-tenancy, single-pane-of-glass management and observability, and a wide range of fully integrated networking and line-rate security functions. It is a new type of a truly converged networking and security platform enabling innovation at the speed of software, traffic-crunching at the speed of hardware, and operational flexibility at the scale and ease of the cloud.

INSIDE-FOR-METAL ON EQUINIX BENEFITS



Truly Integrated Connectivity & Security for private and public links and instant “shields-up” protection



Virtualized, Any-HW & Commodity-HW- Accelerated platforms ranging from tens-of-Gbps to multi-Tbps rate



Ultra-low latency consistent single-pass processing



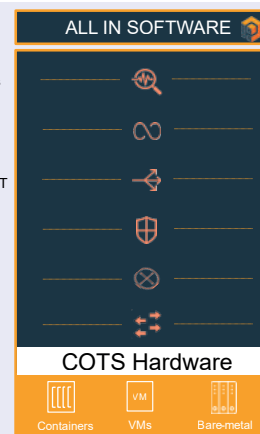
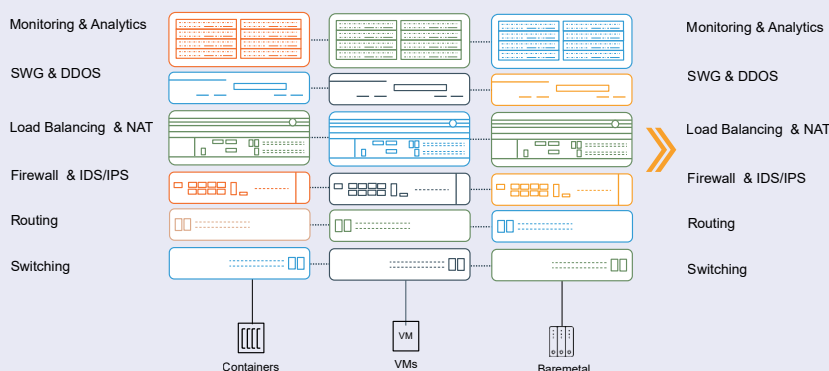
Single-pane-of-glass management with end-to-end visibility and streamline operation



Fully programmable via GUI, REST API, Ansible & Kafka



Powerful one-stop solution with rich feature set, deployment flexibility and operational efficiency



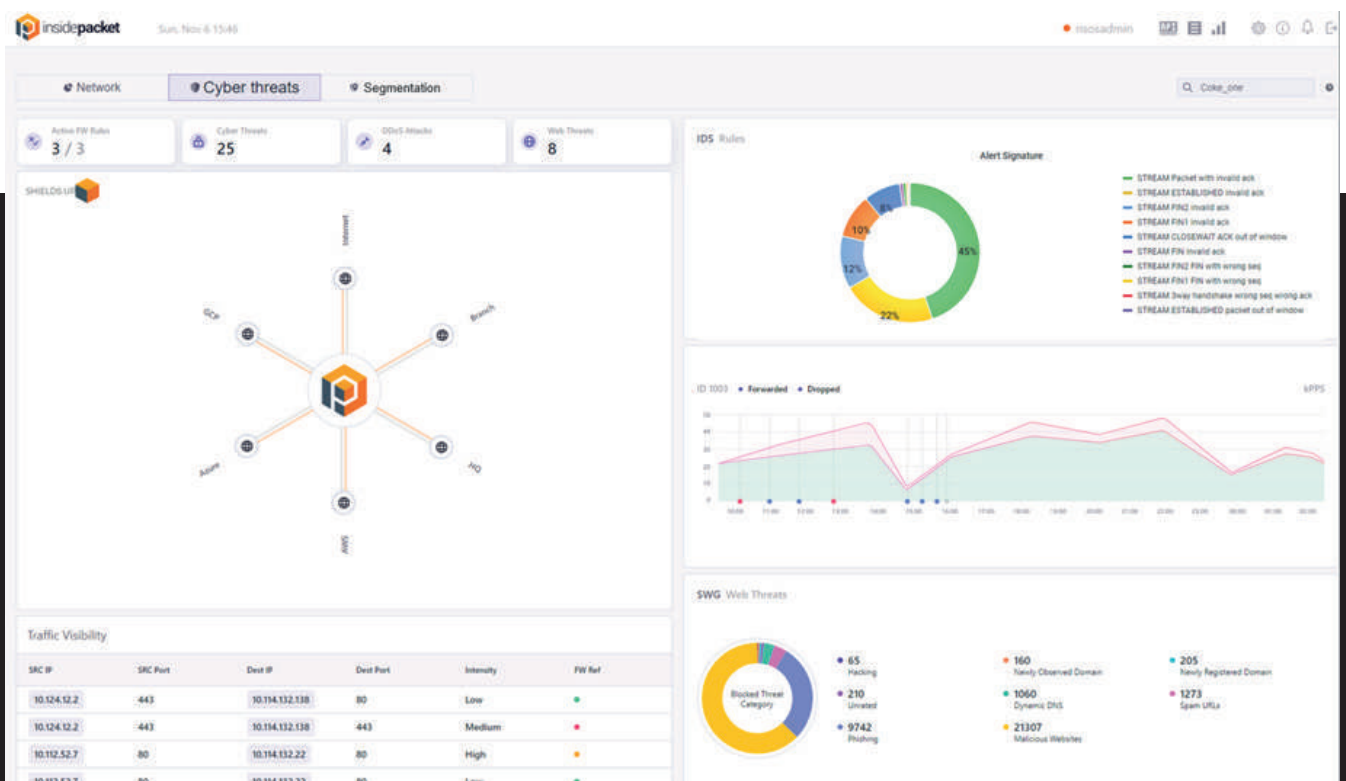
FRIENDLY BUT POWERFUL

Integrated line-rate security doesn't mean you need to settle with limited connectivity options! Insidepacket SSE delivers a fully integrated secure interconnect for all your workloads anywhere, reaching public multi-clouds, workloads on your BMaaS, VPC, on-prem and private-cloud infrastructure and over the Internet. It supports advanced switching and routing with L2 Bridge, X-Connect, eBGP/iBGP, IS-IS, OSPF, EVPN VXLAN types 2/3/5, Route Leak, Geneve, DNS, LACP, ECMP and MPLS for fast-lane direct-connect and native integration with your existing infrastructure. Over-the-internet connections are available leveraging both native cloud-gateway support for major clouds and Insidepacket unified cloud agent for SD-WAN.

But where legacy connectivity platforms stop, Insidepacket SSE is just getting started, with fully-integrated line-rate stateful services including SNAT/DNAT, 1:1 NAT (DMZ) and L4 Load-Balancer. Integrated security and forwarding policy enforcement brings you advanced capabilities such as multi-zone network segmentation, anycast and policy-based routing. Add to that workload-awareness, and you can understand why Insidepacket SSE is becoming the go-to solution for state-of-the-art secure interconnect with zero trust and micro-segmentation.

NO-COMPROMISE SECURITY

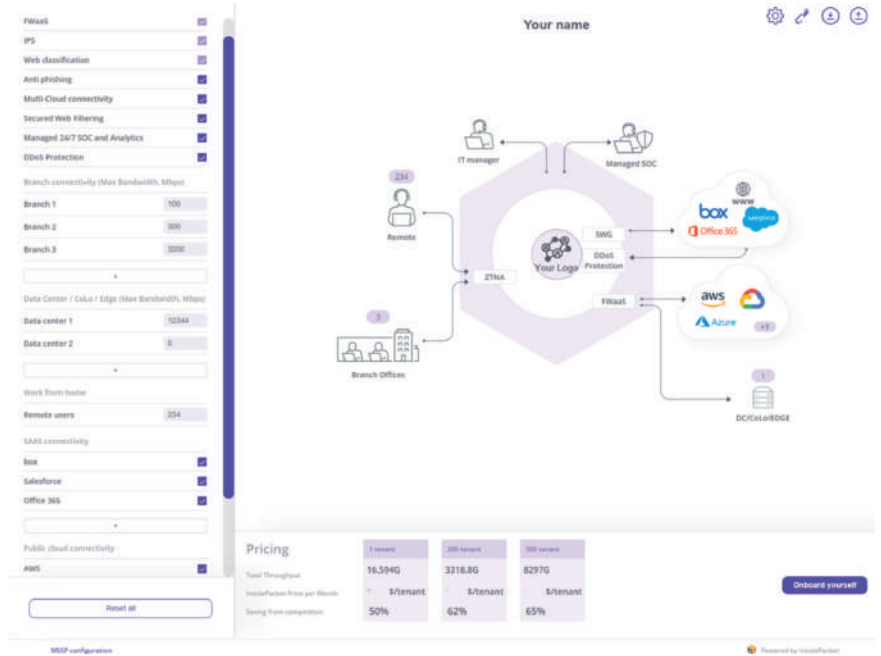
Keep all your connections instantly and constantly protected with Insidepacket "Shields-up" technology. Insidepacket SSE ensures all your traffic is secured with advanced firewalling capabilities extended to your microservices and Kubernetes workloads, micro-segmentation, global DDoS mitigation at line-rate, IDS and SWG. At your wish, any new connection can be seamlessly brought under the protective umbrella with automated routing and security policies. Application-level recommendations based on your global connectivity map allow to easily set up and manage security zones, define, and enforce micro-segmentation policies. It reduces the operational overhead with cross-functional view and application-level insights. You can inspect, access-control and rate-limit each connection and protect all the traffic to and from your cross-metro workloads, the internet and multi-cloud.



NO-COMPROMISE OPERATION

Centralized intent-based orchestrator, the NIRO, provides Streamlined SaaS-like user experience and unparalleled observability. It delivers intuitive and granular control over GUI, REST API, Ansible & Kafka, coupled with actionable, intelligible, and comprehensive real-time monitoring. Truly converged networking and security means your configuration is coherent with no conflicts and inconsistencies between different services, and your observability is comprehensive and intuitive, leaving no blind spots with a single-pane-of-glass end-to-end view over your traffic.

Ease of operation is high on our priority list. Insidepacket SSE offers workflow automation tools for easy ramp-up and day-one integration. It also provides tools for integration with existing operational infrastructure, as well as integration with visualization and log analytics tools and reporting and troubleshooting toolkit for day-two and beyond operation and maintenance. Insidepacket SSE is a redundant platform built for continuous integration and deployment of evolving features with no service disruption.



NO-COMPROMISE COST EFFICIENCY

It is a cloud-first solution designed for operational flexibility. We know you may not need all the scale, performance, and feature richness it can provide everywhere all the time. This is why we embrace pay-as-you-go pricing model. This is why we can run on a variety of platforms spanning from the virtual NSOS-V with tens-of-Gbps performance up to accelerated multi-Tbps platforms utilizing commodity hardware with no vendor-locking. And this is why we provide different packages varying by price, feature set and scale, and ability to dynamically switch between them. This combination of a one-stop-shop

networking and security solution, exceptional performance and deployment flexibility, no up-front investment requirements and pay-as-you-go pricing allows you to dramatically reduce CapEx and OpEx of your infrastructure so that you can invest more in your growth and stay ahead of the competition. This combination of a one-stop-shop exceptional performance and deployment flexibility, no up-front investment requirements and pay-as-you-go pricing allows you to dramatically reduce CapEx and OpEx of your infrastructure so that you can invest more in your growth and stay ahead of the competition.

Package	Essentials	Premium	Pro
Network services	—	✓	✓
Site-to-site connectivity	—	✓	✓
Private DNS	—	✓	✓
Cloud router	0	20	200
vRouter	20 routes	200 routes	1000 routes
Public network access	20	50	100
Load Balancing service	—	—	—
Load Balancer front-end IP	0	128	1024
Load Balancer back-end IP	0	256	2048
SECURITY			
FWaaS	10	20	100
Secure Web Gateway	—	—	✓
Web based Filtering	0	20 Categories	100 Categories
Threat Visibility	—	✓	✓
Threat Blocking	—	✓	✓
DNS Filtering	—	✓	✓
DDoS Protection	—	✓	✓
MANAGEMENT			
User Portal	✓	✓	✓

INSIDEPACKET NO-COMPROMISE SSE

Insidepacket SSE maximizes the synergy between networking and security on a consolidated platform, enabling truly secure interconnect and streamline operation. It offers:

- Local, cross-metro, internet and multi cloud connectivity with industry-leading speed, scale, and ultra-low latency
- Full security coverage of all you traffic between and towards your distributed workloads
- Single pane of glass operation with consolidated programmable management, consistent decision-making, and end-to-end observability
- One-stop-shop featuring routing, tunneling, SD-WAN, load balancing, NAT, NGFW, DDoS, network segmentation, micro-segmentation, and more
- Flexible pricing and deployment options with no upfront investment
- Any-scale and future-proof with limitless scale, and consonantly evolving feature set

SUMMARY

Insidepacket SSE delivers high-speed low-latency connectivity with integrated security on a variety of future-proof platforms, controlled by a single-pane-of-glass centralized management. It delivers intuitive, automated any-scale operation and granular end-to-end observability. This means your global workloads are instantly connected and secured wherever they are: on VPC, BMaaS, public-clouds, and over the internet. Fully connected, fully secured, no compromises!

Contact us

InsidePacket solution is available for production, proof-of-concept, and live demonstrations. For more information, please contact sales@insidepacket.com



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