Transforming your BMaaS workloads into Interconnected Secure Cloud

InsidePacket Networking and Security suite for BMaaS

BMAAS CHALLENGE

BMaaS is a compelling option for many cloud deployments. It gives you the power and security of a dedicated server without the "noisy neighbors", making it the perfect choice for computationally intensive, latency-sensitive, and privacy-sensitive workloads. However, with this great power comes the responsibility of keeping your dynamic host, VM and Kubernetes workloads connected and secured. Geographically distributed and hybrid multicloud environments may further aggravate this challenge.

YOUR SECURE PRIVATE CLOUD

Inside-for-metal provides a fully integrated, highly automated networking and security envelope for your global BmaaS applications. It instantly turns your BMaaS workloads into a private, high-performance, low-latency and secure cloud.

BUILD YOUR CLOUD - READY, SET, GO!

Managing the networking for distributed dynamic Kubernetes, VM and server workloads can be a complex and tedious task. Inside-for-metal jump-starts your workloads interconnect by automating initial routing and security policies on their interfaces, with fully-automated or guided setup flows for BGP, NAT, Load Balancing, Firewall, DDoS protection and more.

INSIDE-FOR-METAL ON EQUINIX BENEFITS

Global interconnect across all your local and inter-metro workloads, the internet and multi-cloud

Industry-leading **speed** and ultra-low **latency**

Automated network discovery and setup for all your host, VM and Kubernetes workloads.

Extensive security envelope for all your traffic

**Fully programmable** via GUI, REST API, Ansible, Terraform and Kafka

Comprehensive one-stop solution with Load Balancing, NAT, BGP, FW, DDoS and more

GLOBALLY CONNECTED

Don't let this effortless connectivity ramp-up mislead you - Inside-for-metal is a formidable networking suite supporting eBGP, iBGP, IS-IS, OSPF, EVPN VXLAN, DNS, LACP, ECMP, GRE and MPLS, with unprecedented scale and performance. This means that your potentially geographically-distributed BMaaS workloads are not only interconnected but can be easily connected to the public clouds and the internet. You just got yourself a private cloud with feature richness and performance on a Hyperscalers-level.

UNCOMPROMISING SECURITY

Network security in the cloud era is a basic requirement inseparable from connectivity. Inside-for-metal makes sure all your traffic is constantly tracked and secured by InsidePacket "Shields-up" technology. This protection includes advanced firewalling capabilities extended to your microservices and Kubernetes workloads, micro-segmentation, global DDoS mitigation at line-rate, IDS and SWG. 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.
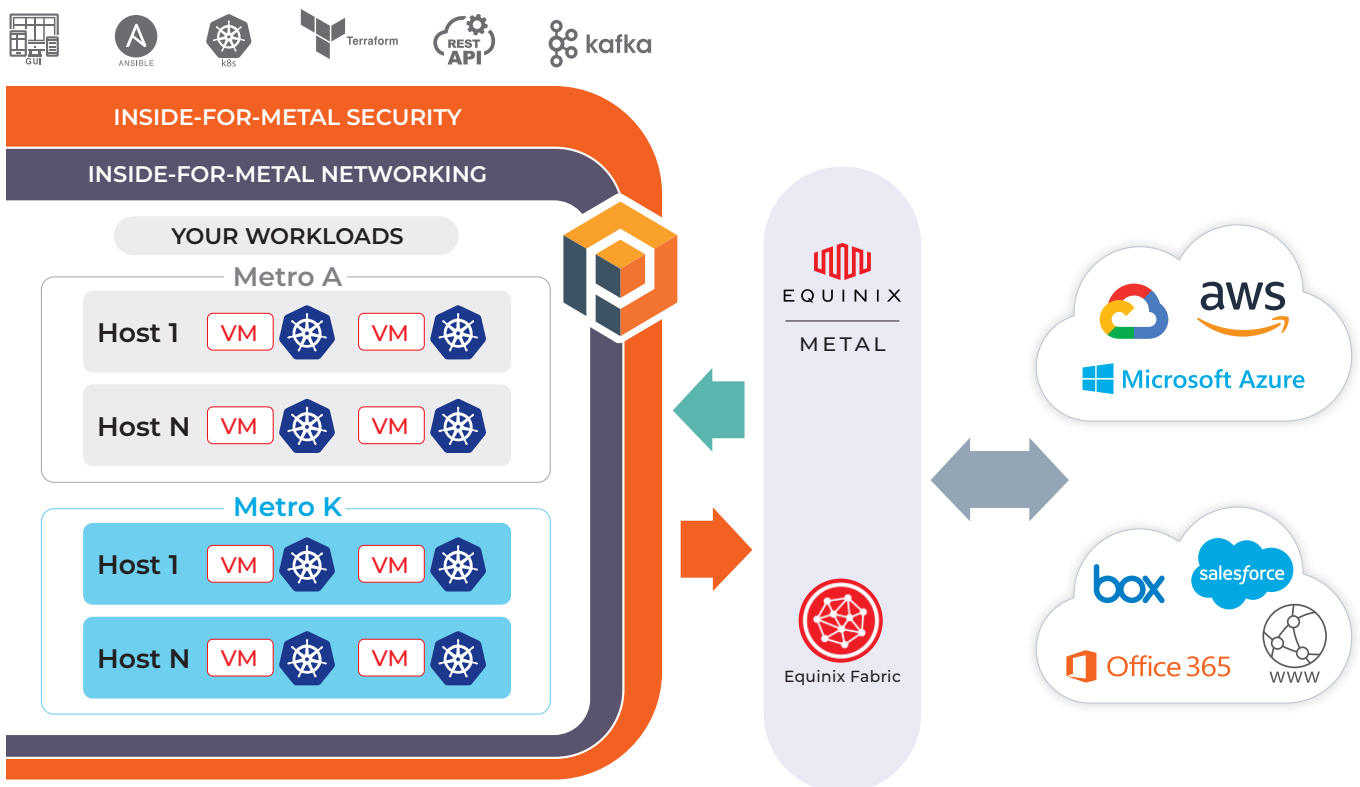

YOUR CLOUD, YOUR RULES!

Choosing BMaaS means that you are not looking for the easiest solution, rather one that gives you the optimal level of control, security, and performance. We encourage you to go beyond the instantly available connectivity and security and tune your network and security policies to best suite your needs. You have full visibility and control over your private cloud with full GUI and REST API coverage, automation via Ansible and Terraform, Kafka events, integration with Grafana for visualization and Elastic Search for log analytics. Full programmability of Inside-for-metal high-performance platform means that you will have no trouble scaling your cloud and upgrading it with new capabilities as your needs evolve over time. Integrated connectivity iand security suite delivers consistent forwarding and policy decisions and consolidated cross-functional visibility. Configuration and reporting are done via a redundant single-pane-of glass management, overseeing all your workloads across distributed metro locations as well as cross-fabric connections to the internet and the multi- cloud.

INSIDE-FOR-METAL IN A NUTSHELL

Inside-for-metal is a high-speed low-latency connectivity and security solution for BMaaS offering:

- **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

- **Automated discovery and setup** to bring you workloads up and connected in seconds

- **One-stop-shop** with Load Balancing, NAT, routing, tunneling, firewall, DDoS and more

- **Single pane of glass** operation with consolidated programmable management, consistent decision-making, and end-to-end observability

- **Any-scale and future-proof** with limitless scale, and consonantly evolving feature set
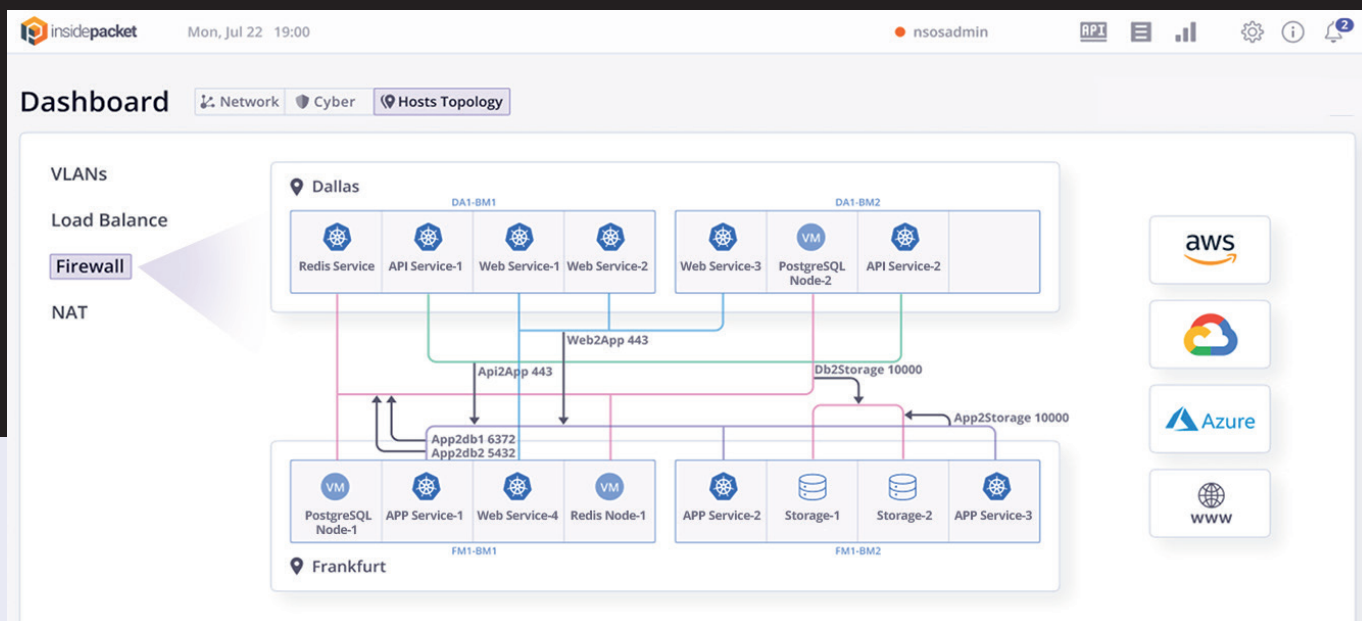
SUMMARY

Insidepacket-for-metal networking and security suite delivers high-speed low-latency connectivity with integrated security 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 BareMetal across metros, public-clouds, and the internet. The result is your own secure and distributed cloud with Hyperscalers-level performance, redundancy, visibility, and control.

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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