# CloudGuard Network Security as a Service (NSaaS)

CloudGuard Network Security as a Service (NSaaS) is a cloud-native, consumption-based service providing advanced threat prevention and pre-emptive Web Application and API Protection that significantly reduces operational overhead.

Industry-Leading Perimeter Security and Zero-Trust Network Segmentation Made Easy

Security managers have less visibility and controllability over the applications and the services that their DevOps teams are deploying in public cloud. However, security managers do not want to limit business growth by limiting DevOps teams' use of public cloud capabilities. Thus, an optimal security solution must suit the agile CI/CD pipeline methodology that DevOps teams use and also enable the visibility and controllability required by security managers.

Architecture diagram: Ingress traffic flow
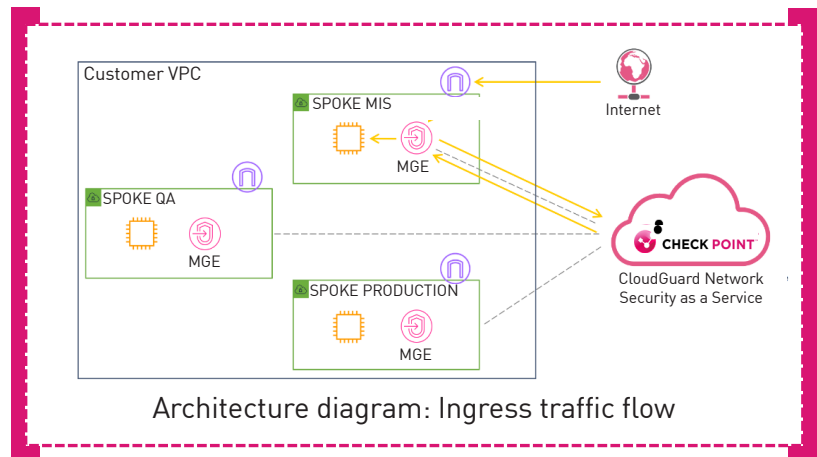
Security In-Depth Strategy: Perimeter Security & Network Segmentation are Essential in the Cloud

- Network security is highly effective in protecting datacenters, including public cloud datacenters
- Perimeter security and network segmentation is a centralized, workload-agnostic point of enforcement for threat prevention

Network security in the cloud is more complex than it is on-premises, because the cloud is dynamic and ephemeral. Thus, organizations find it challenging to design, deploy, manage, and maintain a secure cloud environment.

CloudGuard NSaaS is the most secure way to achieve the DevOps-accelerated cadence of software development, while enabling industry-leading security and visibility on AWS.

CHECK POINT™

Cloud-Native Service

Modern cybersecurity delivered as a service, consumable cloud-fast

- Tightly integrated with AWS Firewall Manager and AWS infrastructure services to unify security with networking

- SaaS offering is built for cloud principles of elasticity, agility, redundancy, low latency and high performance, and is highly-scalable to support dynamic traffic growth and business needs

- Available to buy as a service from AWS Marketplace and consume at scale, with simple PAYG pricing based on traffic throughput

Industry Leading Threat Prevention

Industry-leading cloud infrastructure protection from trusted security experts

- Web Application and API Protection uses heuristic engines and contextual AI to secure ingress web traffic in a more robust way than traditional policy-based WAFs

- Comprehensive advanced threat prevention technologies include L4-L7 firewall, IPS, URL filtering, Anti-Virus, Anti-Bot, File Security, and Geo Protection and offers the widest coverage of the MITRE ATT&CK® Enterprise Matrix

- Supports SSL/TLS traffic inspection with traffic forwarding and SNI capability for advanced threat prevention inside secure SSL traffic

Maximize Operational Efficiency

Empower security teams to focus on what matters

- Customers can be cloud-safe in minutes with no prior knowledge needed to build, apply and manage effective security rules with CloudGuard's intuitive console

- Asset auto-discovery builds consistent network security policies and automates their application across cloud assets

- API-first design enables developers to easily integrate and control security as part of the CI/CD pipeline, supporting full automation of Infrastructure as Code practices

- Cloud-fast with intuitive SaaS deployment, easy configuration and maintenance, auto-scaling and automated updates, upgrades and patching to minimize operational overhead

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