Trend Micro™

CLOUD NETWORK PROTECTION, POWERED BY TREND MICRO™ TIPPINGPOINT™

Extend your Trend Micro TippingPoint threat protection security to the cloud

Trend Micro Cloud Network Protection, powered by TippingPoint, is a powerful transparent security solution that allows enterprises to extend their existing TippingPoint network protection to their hybrid cloud environments.

Offering comprehensive threat protection that includes virtual patching, vulnerabilities shielding, exploit blocking, and high-accuracy defense against known and zero-day attacks, Cloud Network Protection provides industry-leading coverage across multiple threat vectors. Your TippingPoint security controls and policies can be applied to your cloud environments via your existing Security Management System (SMS).

With an agile inline deployment approach, and flexible failover scenarios, enterprises can protect workloads without rearchitecting or disrupting their applications. Simplifying network security in the cloud while maintaining the ability to inspect ingress and egress traffic, Cloud Network Protection automates protection for cloud workloads at-scale without losing visibility or control.

Deploy with AWS Transit Gateway

Leverage AWS Transit Gateway efficiencies and scalability to quickly and simply deploy Cloud Network Protection without disruption to the network.

KEY ADVANTAGES

1. **Consistent network security**: Quickly extend TippingPoint security profiles to your cloud network, allowing you to consistently protect your hybrid cloud and on-premises networks.

2. **Central management experience**: With a single view and centralized management, SMS management allows you to save time and resources by managing your cloud, on-premises, or virtual networks using a familiar interface.

3. **Simplified cloud deployment**: Deploy quickly without impacting your network and minimize friction with security that fits seamlessly into your cloud network fabric.

KEY FEATURES AND BENEFITS

» **Network-based virtual patching**: Deploy intrusion prevention system (IPS) security at the network level to quickly provide workload protection from network threats, allowing you to secure your virtual private cloud (VPC) and obtain compliance rapidly.

» **Zero-day protection**: Get protection before vulnerability disclosure with the Trend Micro Zero Day Initiative (ZDI), the largest bug bounty program in the industry.

» **Flexible deployment scenarios**: Insert cloud network security where you need it without requiring complex cloud formation (which can deploy thousands of lines of code), network re-architecture, or re-IP-ing.

» **Inspection at network speed**: Inspect traffic without slowing the network down with inline network speed capabilities.

ADDITIONAL BENEFITS

○ **Portable licensing model**: With a bring-your-own-license (BYOL) approach, you can preserve your TippingPoint investment; apply licenses to protect cloud, on-premises, and virtual on a flexible, as-needed basis.

○ **Seamless, stateless, transparent**: TippingPoint's flow-based engine doesn't maintain state like a firewall—allowing for simple and fast insertion and removal of inline inspection without impacting your network or your applications.

○ **Fewer moving pieces**: Inspect both ingress and egress traffic up to 10 Gbps with a single pair of EC2 instances with high availability, without requiring the deployment of additional load balancers.

TECHNICAL SPECIFICATIONS

AWS Instance Type	C5.2xlarge
IPS Inspection Throughput (burst)	Up to 3.5 Gbps
IPS Inspection Throughput (sustained)	Up to 2.5 Gbps
Latency	< 100 microseconds
Concurrent Connections	7.5M
New Connections Per Second	75,000

Note: We test using our recommended default policy with representative traffic mixes. Your deployment may vary—infrastructure changes, policy, or changes from the representative traffic mix may impact your results. Additionally, your EC2 instance type may enforce sustained throughput restrictions.

DEPLOYMENT

Trend Micro Network Cloud Protection and AWS Transit Gateway architectures enable new approaches for network security; with less complexity and no disruption, while providing compliance, virtual patching (IPS), and post compromise detection more efficiently.
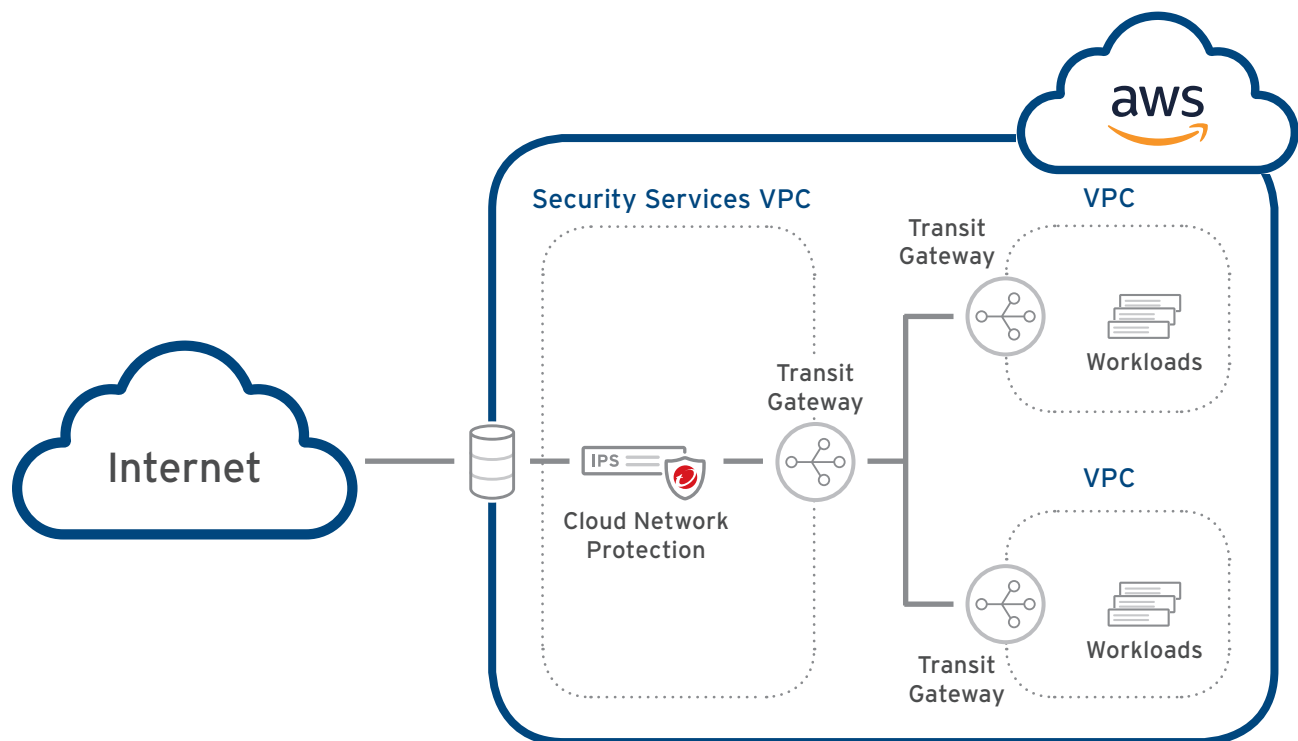
Trend Micro utilizes AWS Transit Gateway to provides customers with efficiencies when connecting their VPCs and on-premises networks. **By using Transit Gateway, customers experience better visibility, control, and enhanced bandwidth and scalability across their network**. Cloud Network Protection employs these advantages and can be inserted directly inline without the need for additional load balancers or disruption to the network.

Securing Your Connected World