netgate

Netgate and Fidelis CyberSecurity Deliver Integrated Network Security Solution

TNSR™ as a network mirror port enables security threat detection solutions - like Fidelis Network® - to provide visibility, threat detection, and data loss prevention for applications running within Amazon Web Services (AWS).

tnsr

Overview

Cyber attackers will exploit the slightest IT infrastructure weakness to fulfill an activist, financial, or nation-state objective. Inspecting inter-cloud, intra-cloud, or hybrid traffic with sophisticated sensors enables security personnel to identify suspicious or malicious activity in near real-time, and take appropriate action before calamity occurs.

Netgate and Fidelis Cybersecurity™ have partnered to deliver an integrated network security solution for AWS hosted applications. Fidelis Network provides visibility, threat detection, and data loss prevention for applications running within Amazon Web Services (AWS). Netgate's TNSR enables AWS EC2 instances equipped with Elastic Network Adapter (ENA) to deliver high-speed traffic directly to Fidelis Network sensors running in AWS.

Security staff now have deep insight into cloud network traffic - where detection of early kill chain activity is vital.
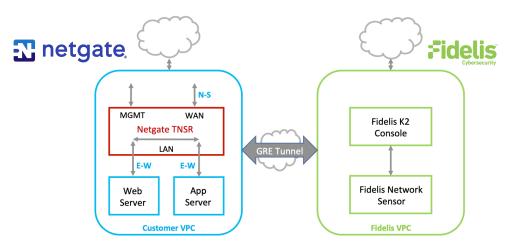
- **Netgate® TNSR mirrors high-speed traffic directly to any cloud-based traffic capture or analysis engine**
- **Quickly and easily deployed on AWS EC2 instances equipped with ENA**
- **RESTFUL API enables easy orchestration**
- **Agent-less deployment saves time and cost**
- **100% transparent to customer applications and VPC**
- **Open source-based software makes it extremely cost effective**

Solution Differentiation

Other cloud traffic monitoring solutions are available. However, they require deployment of an agent. Agent deployment is both time-consuming and costly, especially as the number of VPCs grows, and when inevitable reconfigurations are required.

With TNSR, network mirror port functionality is easy to deploy, highly scalable, and agent-less. It operates transparently to customer applications, and is impervious to any Amazon Machine Image (AMI) changes. Via a RESTFUL API, IT personnel can quickly and easily mirror any data path - intra-cloud, inter-cloud, or cloud-to-premises - for suspicious or malicious activity.

Solution Highlights

- Fidelis Network cloud VMs can now analyze up to 2 Gbps of data
- Security teams can analyze all traffic, on all ports
- No agents required
- No AWS application or VPC reconfiguration required

Solution Benefits

Agility – Netgate TNSR mirrors traffic to Fidelis Network while simultaneously maintaining secure connections between VPCs, and back to the enterprise. TNSR routes traffic intelligently between applications (east-west), between VPCs, out to the Internet, or over secure VPN links back to the enterprise (north-south).

Transparency – Fidelis Network analyzes network traffic without any changes to organizations' applications. Netgate TNSR provides the data path whereby all network traffic is mirrored to Fidelis Network in a separate VPC for transparent inspection.

Automation – Adding new network connections between VPCs, or changing existing connection parameters, is accomplished automatically via TNSR's RESTFUL API. Fidelis Network provides real-time and retrospective analysis for threat detection, threat hunting, and data loss / theft detection. Security operations staff will now have insight into the most complex network traffic in AWS with over 300 metadata attributes of rich content and context supporting up to 360 days of historical analysis.

Contact Netgate to learn more about TNSR as a high-speed network mirror port.

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ABOUT NETGATE

Netgate develops and provides open source-based secure networking solutions to businesses, governments, and education institutions around the world. We are the host of the pfSense® project, one of world's most trusted open-source firewalls, with over one million installations. Netgate is further extending its open-source leadership and expertise into high-performance, orchestration-managed, secure networking solutions via TNSR – which delivers compelling value at a fraction of the cost of proprietary solutions. For more information visit **netgate.com**.