NetFlow LOGIC

Cloud Application Visibility & Security

Real-time Operational Intelligence for Cloud-Based and Hybrid Infrastructure

This solution enables new capabilities for network operations and improvements for cybersecurity postures for customers who run mission-critical applications across all regions and accounts on cloud platforms like AWS, Microsoft Azure, Google Cloud, etc., as well as on hybrid cloud infrastructures.

The Challenge

Cloud computing enables organizations to process larger workloads and offers enhanced collaboration and improved mobility for employees. The value is obvious, and more organizations are now moving their applications or even portions of their network infrastructures to various cloud platforms. However, with this transition to public clouds such as Amazon AWS, Microsoft Azure, or Google Cloud Platform businesses are facing new challenges in several areas:

- Security
- Managing Multiple Clouds
- Cost Management and Containment
- Application Performance Monitoring

The Solution

In addition to common cloud management systems that mostly focus on storage and workload control, NetFlow Logic offers a solution that empowers organizations with a new level of visibility using Public Cloud Flow log information analysis. It enables administrators to monitor their cloud-based resources, taking network traffic into account and enabling them to identify potential issues before those issues turn into major problems.

- NetFlow Optimizer (NFO) enables monitoring and analyzing cloud computing architecture, infrastructure, and services.
- One NFO instance is capable of ingesting and processing Cloud Flow logs from multiple Cloud accounts, subscriptions, VPCs, and regions. NFO supports EC2 Enhanced Fan-Out and shards (AWS) for increased performance.
- NetFlow Optimizer enriches native AWS or GCP VPC Flow logs, or Azure NSG Flow logs with real-time information, such as EC2 name, VM name, DNS name, Service name, and region.
- NFO consolidates and optimizes Cloud Flow log data, thus enabling customers to store and index only a fraction of volume and at the same time gain all benefits of flow information without losing accuracy.

Benefits

The main benefits of implementing the NetFlow Logic Cloud Application Visibility & Security solution include:

- **Monitoring and Alert**. Improved visibility of your physical and virtual infrastructure in unified dashboards. Troubleshooting of cloud network performance. Near real-time performance monitoring.
- **Adding Meaningful Information**. Auto-discovery for your VPCs, EC2 instances, or VMs. Cloud Flow log enrichment with relevant information, such as EC2 instance names, VM names, and regions on **both sides** of the conversation.
- **Security**. Improved security posture. Identify threats by adding **reputation** to source / destination IPs. Provides investigative capabilities.
- **Reduces Cost**. Identifing cross-AZ (cross-region) traffic to save money on network traffic.
- **Enterprise Ready**. Deployment on premises, in a public cloud, or in hybrid environments. Scalable to match your infrastructure.
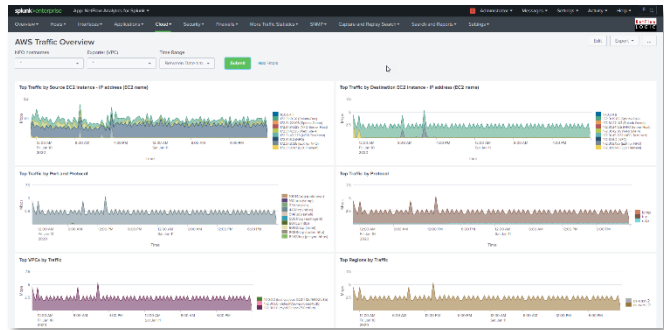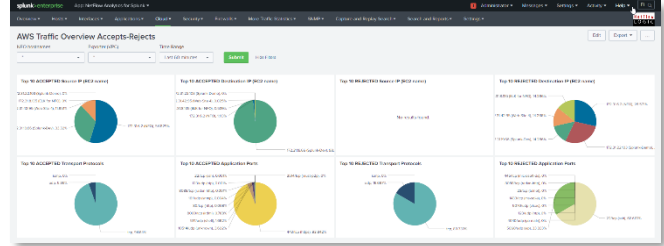
Learn More About Our NetFlow-based Solution

If you would like more information about our core flow processing product, NetFlow Optimizer, or any specific NetFlow-based solution, please visit our website www.netflowlogic.com or contact us via email info@netflowlogic.com

System Requirements

NFO is distributed as a virtual appliance in OVA file format, as Amazon Machine Image (AMI), as RPM or TAR.GZ for Linux, or as EXE for Windows.

- CPU: Min 4 CPU cores (8 or 16 CPU cores for higher performance)
- Memory: Min 4 GB (16 GB recommended)
- Disk Space: 20 GB

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