VIAVI Solutions

# VIAVI
# Extending Visibility into Microsoft Azure

Leverage Network Security Group (NSG) flow logs in Observer for visibility into cloud conversations.

## The Challenge

As service architectures evolve to become more flexible, scalable, and capable of meeting end-user demands, hybrid IT deployments are becoming more prevalent. To maintain consistently high levels of performance, IT services must adapt. Furthermore, the migration of a growing number of applications from Data Centers to Microsoft Azure and other public cloud environments adds to this challenge. Network Engineers, NetOps teams, and now Cloud Administrators must undertake the daunting task of gaining visibility into application traffic and addressing performance and security issues in these dynamic environments.

## The Solution

The VIAVI Observer solution provides multi-faceted visibility into on-premises, cloud, and hybrid IT environments. The Observer solution can ingest both Azure NSG flow logs and AWS VPC Flow Logs to improve visibility and facilitate efficient troubleshooting. The Observer suite of products enables NetOps, SecOps and cloud architecture teams to better understand and improve service delivery.
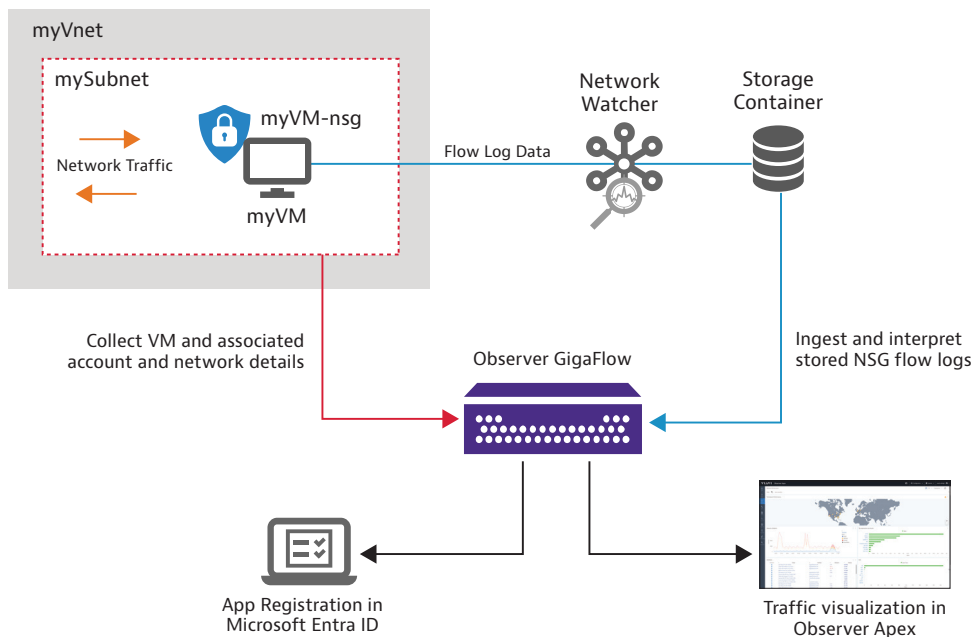


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Observer GigaFlow collects NSG flow logs from the Azure environment and sends analyzed results to Observer Apex for visualization.

## Observer GigaFlow for Azure

**Enriched Flow intelligence for NetOps and SecOps.** GigaFlow provides user-focused insight for managing performance and security challenges by combining different data sets into a single enriched record. This provides in-depth details for security and performance analysis on applications and traffic patterns.

After registering with Microsoft Entra ID, GigaFlow collects information about Virtual Machines, along with their associated account and network information. GigaFlow then ingests NSG flow logs from Azure Storage Containers.

Network security groups flow logging is a feature of Azure Network Watcher that allows you to log information about IP traffic flowing through a network security group. NSG flow logs describe the current state of the network including who's connecting, and where they are connecting from. This information source can also be leveraged to determine which ports are open to the internet, validate expected behavior, identify irregular behavior, and sudden increases in traffic.

Observer Forensics include the NSG security rules that allow or deny network traffic to and from Azure resources.

## Observer APEX

**Centrally Managed End-User Experience, Performance and Security.** Observer APEX offers comprehensive real-time visibility of critical applications hosted in the cloud or on-premise in the Data Center. APEX provides a centralized platform to analyze and troubleshoot application performance issues utilizing our patented End-User Experience scoring. For network security, APEX helps investigate and document incidents of concern or confirmed security breaches by providing in-depth post event forensics.
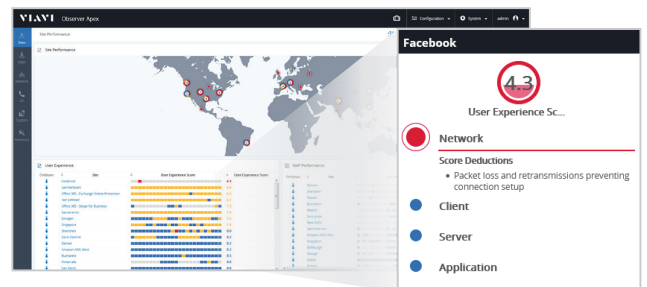


Centrally Managed End-User Experience, Performance and Security

The VIAVI Observer solution now allows NetOps, SecOps, and DevOps teams to efficiently analyze and troubleshoot services hosted on-premise, in the cloud, or in acombined hybrid architecture.

 To learn more about the Observer solution - click here.

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