Comprehensive Visibility for Microsoft Azure

cCloud® Visibility Suite Featuring Inline Packet Brokering Strengthens Security and Helps Assure Experiences

Business Benefits

- **Strong Cybersecurity Posture**

  Reliably provides visibility and delivers data and network intelligence for Network Detection and Response

- **Assure End-User Experiences**

  Comprehensive visibility assures reliable and responsive experiences with network-aware applications

- **Minimize Cloud Visibility Costs**

  Inline packet brokering minimizes packet mirroring costs versus using agent, sensor, and vTap solutions

Technology Benefits

- **Full Cloud Visibility**

  Captures, multiplies, relays, filters, and load balances packets from strategic locations in your Azure environment

- **Turn-Key, Fast Time to Value**

  Simple deployment - just 1 person within 1 day can onboard the cCloud visibility suite using Azure-specific machine images, scripts, installers, and configurations

- **Lower Operational Risks**

  High-quality real-time and historical packet and flow data strengthen security, and minimize unplanned service disruptions and outages

The Challenge

Customer satisfaction, competitiveness, operational efficiency, and profitability all rely on secure and responsive cloud-hosted applications. Therefore, visibility is essential for IT Operations to efficiently assure that network-aware application performance and end-user experiences are secure and responsive. Ideal actionable visibility and data come from network packet and flow data because it provides a thorough understanding of cyber-attacks, malware behavior, and the interactions between end-users, IoT devices, applications, and services. But accessing network traffic can be challenging in public cloud environments.

The Solution

cPacket Networks and Microsoft have partnered to address these challenges by providing comprehensive visibility into workloads running in Azure. The hallmark of the solution uses the cVu-V® virtual packet broker in an inline configuration that monitors subnet ingress and egress traffic, versus using agent-based solutions and/or vTaps. The cVu-V solution captures, pre-processes, and delivers the right packet data in real-time to security, performance management, analytics, and AIOps solutions. This greatly simplifies the monitoring topology and reduces overall monitoring and visibility cost. The cCloud tool suite that includes cVu-V seamlessly works with on-premises virtualized environments such as Azure Stack that uses Microsoft Hyper-V, as well as other virtualized environments such as Cisco NFVIS, VMware ESXi and Redhat KVM. Using the cCloud suite for Azure democratizes data, visibility, and actionable intelligence to the NetOps, SecOps, AppOps, CloudOps, and SRE teams by leveraging these tightly integrated tools:

cPacket cCloud® Visibility-as-a-Service Suite for Cloud Environments			
cVu-V®	cProbe-V®	cStor-V®	cClear-V®
Cloud Packet Broker+ that consolidates, processes, and brokers mirrored packets to multiple tools and/or storage	Cloud Flow Generator and Exporter that transforms packet data into industry standard flow data for consumption and analysis by other tools	Cloud Packet Capture - records, tags, and replays cloud network traffic for forensic analysis, regulatory compliance, and session analysis	Cloud Analytics that correlates, analyzes, and visualizes data, plus provides the administration for all cPacket products from within a single-pane-of-glass

End-to-End Visibility, Data for Multi-Cloud and Hybrid Environments

cPacket's broader portfolio includes similar physical appliances (cTap®, cVu®, cProbe®, cStor®, and cClear®) that when used with the cCloud suite provides unified visibility that seamlessly spans multi-cloud and hybrid environments for branch offices, campuses, distributed enterprises, and data centers.

Advanced Packet Processing Increases IT Operational Efficiency

cVu-V has advanced processing features such as filtering, traffic aggregation, and load balancing that provides comprehensive visibility and data within your Azure environment. These features reliably deliver the right data to each tool in real-time to increase time-to-results and reduce unnecessary traffic.

## Packet and Flow Data Strengthen Cybersecurity

Microsoft Azure customers are responsible for securing all data and applications in their respective VPC environment and should use cCloud components to process, multiply, and relay packets to Network Detection and Response and other cybersecurity prevention solutions. cProbe-V should be used to provide flow data to SIEM tools. cStor-V should be used for forensic analysis, incident response, regulatory compliance, and record keeping.

Visibility, Reliable Data Acquisition, and Analytics Drive Experience Assurance

Data, analytics, and AIOps results from packet and flow data presented in customizable dashboards using cClear-V facilitate monitoring, baselining, and optimizing network-aware application performance. Dashboards and alerts give actionable intelligence to assure that end-user experiences meet business needs and service level agreements. Data should also be relayed by cVu-V to AIOps solutions so they can provide additional actionable intelligence and automation to further improve experience assurance, operational efficiency, and mean time to resolution (MTTR).

Intra-Cloud Traffic Monitoring Assures Cloud Migration Success

The cCloud suite of tools provide intra-cloud traffic visibility, data and, performance KPIs to Application Performance Monitoring (APM) tools that will help assure successful cloud-first and cloud-smart migration of new cloud-native applications, lifting-and-shifting legacy applications, or both.
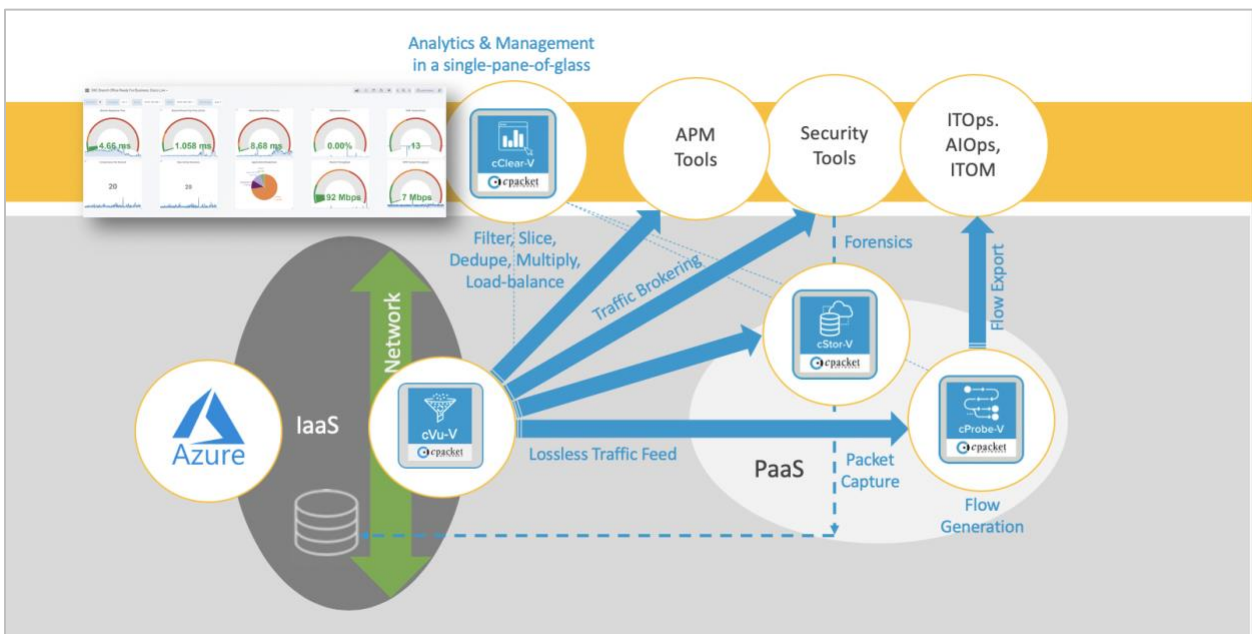
cCloud tools enable customer traffic monitoring and packet brokering to create a visibility service chain

About cPacket Networks

cPacket Networks enables IT through network-aware application performance and security assurance across the distributed hybrid environment. Our AIOps-ready single-pane-of-glass analytics provide the deep network visibility required for today's complex IT environments. With cPacket, you can efficiently manage, secure, and future-proof your network - enabling digital transformation. cPacket solutions are fully reliable, tightly integrated, and consistently simple. cPacket enables organizations around the world to keep their business running. Our cutting-edge technology enables network, application, and security teams to proactively identify issues before negatively impacting the business. The result: increased security, reduced complexity, and increased operational efficiency. Learn more at www.cpacket.com

About Microsoft

Microsoft (Nasdaq "MSFT" @microsoft) enables digital transformation for the era of an intelligent cloud and an intelligent edge. Its mission is to empower every person and every organization on the planet to achieve more.