LiveAction

LiveAction Cloud Monitoring

SOLUTION BRIEF

Cloud Monitoring from LiveAction

The LiveAction LiveNX network and performance monitoring platform offers a single source of truth for collecting, analyzing, and visualizing network and application data across any type of network. When combined with the intelligent deep packet inspection in LiveAction's LiveWire packet capture software, the combination comprises a complete cloud monitoring solution that delivers the end-to-end visibility you need for monitoring and troubleshooting your hybrid and multi-cloud IT environment. With LiveAction, you can easily answer the question, "Is it the application or the network?"

LiveAction Use Cases for the Cloud

○ Cloud Network and Application Visibility

Organizations struggle to gain unified visibility across the entire network. LiveAction enables application-aware NetFlow visibility where traditional visibility gaps may exist with legacy or evolving vendor landscapes. As you move applications from the data center to the cloud, network and application latencies often increase. This may be caused by the physical distance to the cloud, the computing resources allocated to applications, or something in between. With LiveAction, it is easy to see those latencies at the flow and packet level and identify the latency at each hop along the way. Gain deep visibility into cloud traffic, application visibility, and performance across your cloud infrastructure and on-premises and SD-WAN operations.

○ Support Day 2 Operations in a Hybrid Environment

Most IT teams do not have the visibility needed to map end-to-end paths for applications from the on-premises network to the cloud and vice versa. LiveAction can provide hop-by-hop information, and if sufficient information is available, analysis for application path examination and KPIs such as

LiveAction Advantages

❚ **Get Application Performance Data Where None Exists**

LiveAction delivers packet-level troubleshooting, RTP/VoIP performance reporting, and Deep Packet Inspection (DPI) for higher-level analysis of applications like Salesforce, Twitter, Webex, and more.

❚ **Gain Visibility from On–Premises to the Cloud**

LiveAction generates flow from packets, whether it's North-South or East-West traffic, offering multi-path, end-to-end visibility across your entire network, including your cloud operations.

❚ **Perform Root–Cause Analysis Based on Packets**

Using LiveWire with LiveNX, your IT team gets packet-level data at scale to troubleshoot across both your physical and virtual network architectures.

❚ **Utilize The Best Flow Data Available**

Because LiveAction generates flow data directly from packets, flow data is enhanced beyond what is available from NetFlow and IPFIX for network infrastructure devices.

application and network latency, utilization, packet loss, QoS configuration, and VoIP performance for alerting and detailed forensic analysis. LiveAction supports day two operations – monitoring, network troubleshooting, and application behavior – for cloud, hybrid, and multi-cloud operations.

Cost and Consumption Analysis

LiveAction provides the same in-depth analytics across cloud workloads as the platform does for on-premises environments, all through a single, unified interface. Utilizing granular reporting of application and network data from LiveNX and LiveWire allows admins to slice and dice cloud visibility data into n-dimensions for troubleshooting, cost and consumption analysis, and historical analysis via playback capability. With LiveAction, you can measure cloud applications and services performance and baseline utilization over time for capacity planning and optimization.

Cloud Migration

Cloud migrations vary greatly depending on a company's needs and objectives. Whether migrating a few specific databases or servers, or an entire application stack or datacenter, you will need a clear understanding of pre- and post-migration KPIs. LiveAction helps you create and measure baselines and changes over time, so your team knows what good and bad performance looks like. LiveAction provides application and service visibility that measures bandwidth usage pre-deployment while apps are still on-premises, and leverages topologies to identify application paths to help plan the migration effectively.

Security Incident Response

With LiveAction, you have clear and deep visibility into accepted and rejected traffic in your cloud. Once an intrusion is detected, LiveNX records the activity – the network packets – to determine both the fingerprint and the extent of the breach and LiveWire provides the extra capability to capture and store every packet it receives. Armed with packet data, you can respond quickly and confidently to resolve security incidents across your cloud infrastructure.
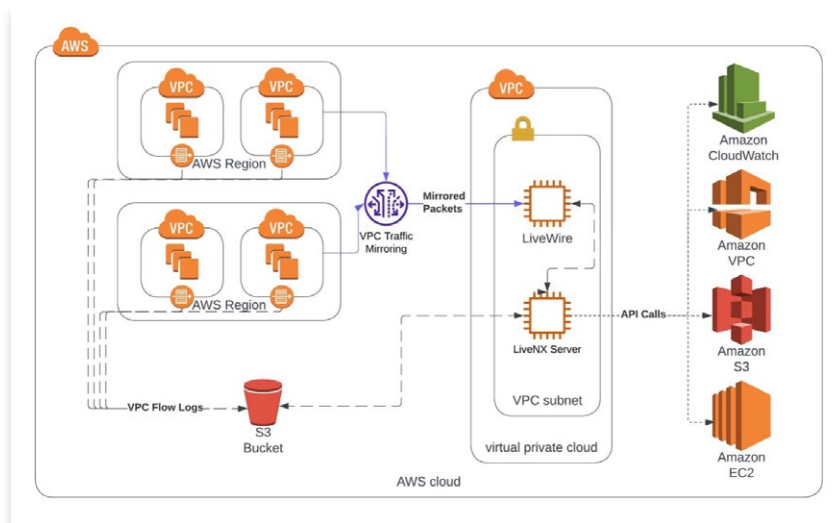

Figure 1: Much like in physical infrastructure deployments, LiveAction monitors the cloud for both flow and packet data. This image shows how LiveAction works in the AWS cloud. Azure and Google Cloud are also supported by LiveAction.

LiveΛction

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LiveAction provides end-to-end visibility of network and application performance from a single platform. This gives enterprises confidence that the network is meeting business objectives, offers IT administrators full visibility for better decision making, and reduces the overall cost of operations. By unifying and simplifying the collection, correlation, and presentation of the application and network data, LiveAction empowers network professionals to proactively and quickly identify, troubleshoot, and resolve issues across increasingly large and complex networks.

To learn more and see how LiveAction delivers unmatched network visibility for AWS, visit www.liveaction.com