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Solution Brief

Accedian & Apcon Deliver Full End User Experience Visibility

Enterprises and service providers are challenged with distributing network data to their existing performance monitoring and security tools for analysis. Additionally, there can be blind spots at remote locations which need to be eliminated. When trying to acquire application performance data, traditional methods are costly with stream to disk requirements and cannot meet the needs of today's distributed cloud environments. APCON and Accedian join forces to solve these challenges with a network packet broker with an integrated network and application performance monitoring solution.

Joint solution benefits

Continuous network visibility: Apcon's IntellaStore® captures all traffic from anywhere in the network and provides full packet visibility to the Accedian Skylight™ end user experience monitoring platform running directly on the IntellaStore®.

Simplified deployment: The all-in-one design of the IntellaStore® with integrated Skylight makes it a perfect solution for midsize and large network deployments or remote locations.

End user experience dashboards integration: For continuous application and quality of experience monitoring in real time to troubleshoot, optimize, plan, and reduce migration risk. Skylight unifies capabilities (network performance monitoring, application delivery, application performance monitoring) normally distributed in several appliances or products to reduce complexity and total cost of ownership (TCO). In contrast, competitors require network analyzers, transaction modules, TCP performance modules, stream to disk.

Packet conditioning: As network administrators span and tap various parts of their networks to feed into their network monitoring tools, they create a lot of duplicate packets. The de-duplication feature included in the IntellaStore® means duplicates are eliminated before Skylight platform analyzes the data.

Virtual network visibility: IntellaStore® provides the ability to aggregate and monitor encapsulated traffic from virtual machines in the network via GRE termination. The IntellaStore® also provides GRE decapsulation and aggregation of up to 10GB processing for forwarding of virtual network traffic to the Skylight end user experience monitoring platform.

Co-locate applications: the IntellaStore® can host several synergistic applications that have differing strengths, i.e., combining Skylight and a security tool such as Nesseus network monitor onto the same IntellaStore® platform.
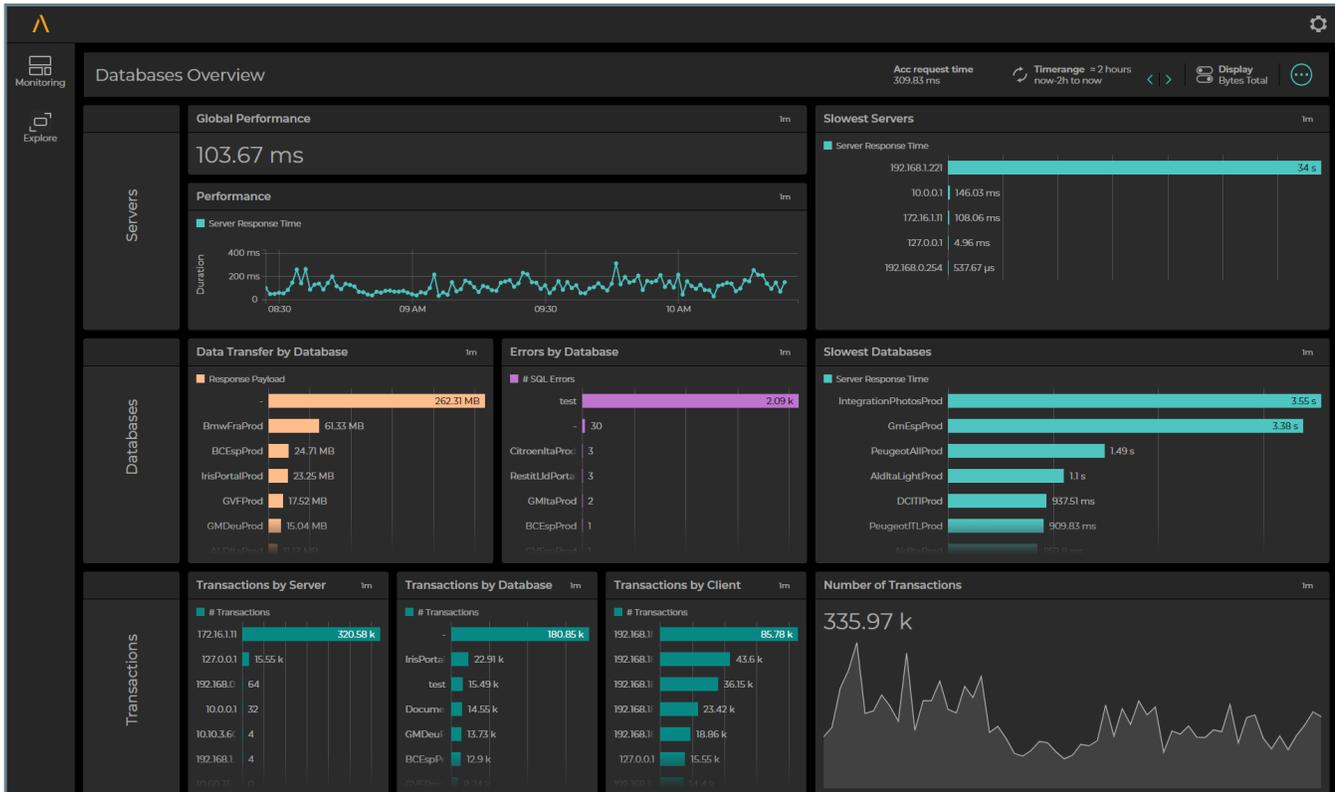
Why is APCON complementary to Accedian Skylight?

APCON delivers:

Traffic from anywhere
- Physical (edge, core, spine and leaf, FabricPath and remote sites via SPANs & TAPs)
- Virtual (intra VM traffic, East-West)
- Cloud (AWS, Azure and private)

Traffic to any tool
- Aggregate and merge traffic into continuous flows
- Multicast or replicate same traffic to multiple tools (reuse ingress ports)
- Load balance egress flows to tools
- Rate negotiation, ability to match ingress to egress feeds across 1G/10G/40G/100G rates

Traffic conditioning
- Filter traffic for any conditions Layers 1–4
- High speed deduplication (up to 200G)
- Pattern matching and masking (hiding sensitive or confidential information)
- Packet slicing (remove payload)
- Protocol stripping (remove packet encapsulations)
- Deep buffering to absorb traffic bursts (prevent tool oversubscription)

Traffic services performed
- NetFlow records generated (1:1, sent to up to 16 collectors)
- Tunnel termination (GRE, VXLAN, ERSPAN and GENEVE encapsulations)
- Captures (scheduled, streaming or triggered)
- Onboard analysis with certified apps

Accedian Skylight features

A network-based application performance management solution that combines advanced end user experience monitoring, network performance monitoring, and real-time transaction insight resulting in an market disrupting end user experience visibility solution. Skylight delivers unified performance monitoring visibility across the entire application and network chain, with best in class resolution and velocity. Highly scalable, simple to setup, and easy to use, it provides real-time, actionable insight into every platform, link, app and user across complex, multi-cloud deployments. Latest-generation analytics return proven business value, unifying teams to deliver the best digital experience.

A transformative end user experience visibility solution

- Skylight monitors how an end user is experiencing the performance of business critical applications as they consume IT infrastructure and network resources
- Because Skylight uses a "single lens capture" to triangulate how the performance of the application code, IT infrastructure, and the network across geographically distributed resources is actually impacting an end user's application experience, pinpointing elusive application performance degradation root cause is now possible in seconds rather than hours or days
- Skylight delivers application performance degradation root cause visibility, offering progressively enriched insight with each click
- Skylight is a purely virtualized software solution which means easy deployment across physical, virtual and cloud infrastructure, eliminating blind spots created by cloud migration

Apcon IntellaStore® features

The IntellaStore®: family provides complete visibility of physical and virtual network traffic.

Available in two models, IntellaStore®: II+ and IntellaStore II, this performance visibility platform provides aggregation, filtering and optimization for complete visibility to network traffic.

- Data monitoring switch with 12 Ethernet ports 1G/10G and 2 ports 40G
- Traffic aggregation, filtering and load balancing
- Optimization of traffic with deduplication, packet slicing, protocol stripping and time stamping
- Capture of network activity in real time with on-board and external storage options
- Get actionable performance intelligence in minutes by deploying this joint solution
- Industry-leading, easy-to-use graphical user interface

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About APCON

For more than 20 years, APCON has consistently delivered smart, stable and scalable technology solutions that provide an unparalleled level of confidence to service providers and businesses seeking total data center visibility and security. Its customers range from midsize companies to Fortune 1000 enterprises in more than 40 countries. APCON assures superior network monitoring while supporting traffic analysis and streamlined network management and security.

For more information, visit www.apcon.com or follow us on Twitter @apcon.

APCON
Solutions for Networks

About Accedian

Accedian is the leader in performance analytics and end user experience solutions, dedicated to providing our customers with the ability to assure their digital infrastructure, while helping them to unlock the full productivity of their users.

Learn more at accedian.com