The leader in AIOps for observability

Smarter Networks Start Here:

Intelligent Observability for the AI Era

riverbed®

The Network is Mission Critical – and Under Pressure

The modern enterprise runs on the network. It delivers every app, every experience, every outcome. But as digital transformation accelerates, the network is being pushed to its limits by exploding data volumes, sprawling cloud and edge environments, and rising expectations for flawless performance and security.

Yet, the tools many teams rely on haven't kept up. Traditional monitoring is reactive, siloed, and manual, leaving IT teams buried in alerts but starved for insight.

Only 42% of network teams consider themselves successful at meeting today's operational demands.

Why Legacy Monitoring No Longer Measures Up

As networks become more dynamic, distributed, and user-centric, traditional tools are increasingly showing their limitations. IT teams face several escalating challenges:

Data Overload, Limited Insight

Enterprise networks now generate 10× more telemetry than five years ago (Riverbed research), with global traffic growing around 25% annually (Nokia). Legacy systems can't keep pace. Organizations need automated analysis powered by AI to extract timely, actionable insight from this wave of raw data.

Hybrid and Edge Fragmentation

With 91% of enterprises operating in hybrid or multi-cloud environments and over 75% of enterprise data created or processed at the edge (Gartner), observability must follow workloads – from cloud-native apps to remote users. Systems designed for centralized data centers can't scale to this level of dispersion..
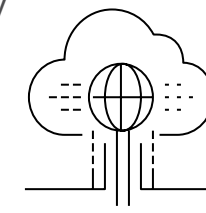
AI Isn't Optional Anymore

Research shows 64% of IT leaders say they can't meet SLAs without intelligent assistance (EMA), while 60–80% of network alerts today offer no value (EMA). That gap underscores the need for AI-integrated network observability, not just more dashboards.
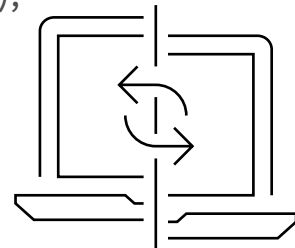
Too Many Tools, Too Little Context

When networking, infrastructure, application, and service teams use disparate tools, visibility fractures. Work is duplicated, data doesn't converge, and incident response slows. That's why 96% of enterprises are consolidating the number of tools and vendors they use according to the 2025 Riverbed State of AIOps Survey.
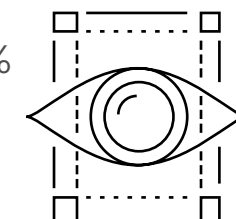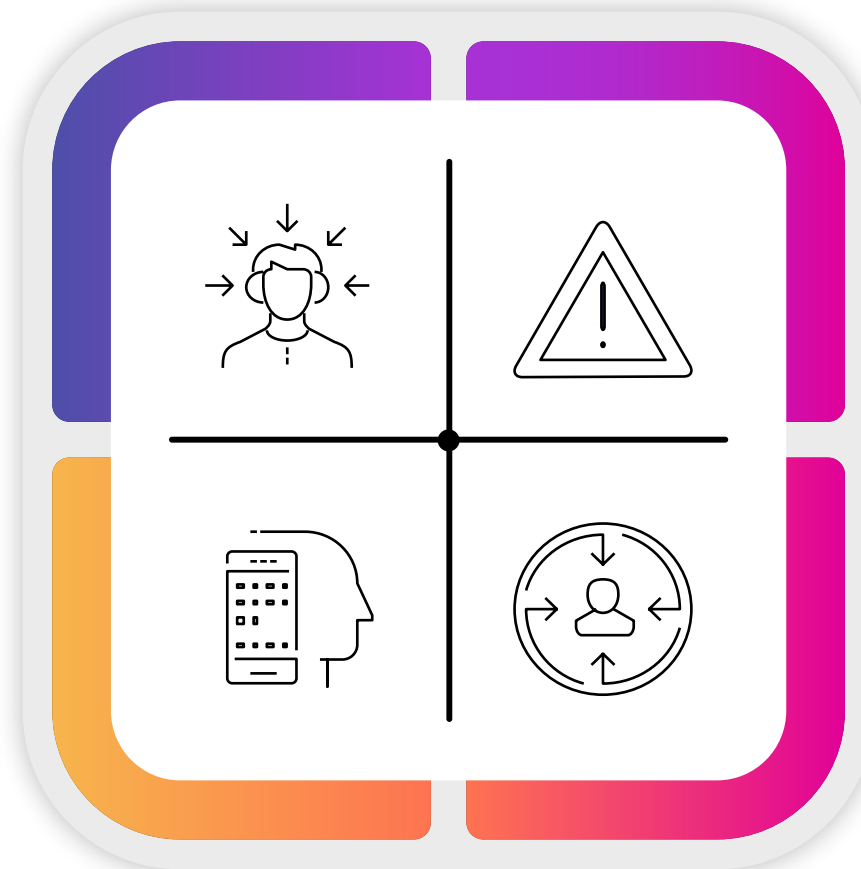
These challenges aren't hypothetical – they're daily operational headaches. Fragmented, manual, reactive monitoring falls short in today's environment.

Legacy Tools Aren't Built for Today's Networks

NetOps and SecOps teams are drowning in complexity: siloed tools, fragmented metrics, reactive alerts, and a growing avalanche of data without meaningful insight. Traditional monitoring tools:

◁ **Flag issues only after users are impacted**

▷ **Rely on manual root cause analysis by experts**

◁ **Offer opaque AI, if any at all, stuck in point tools**

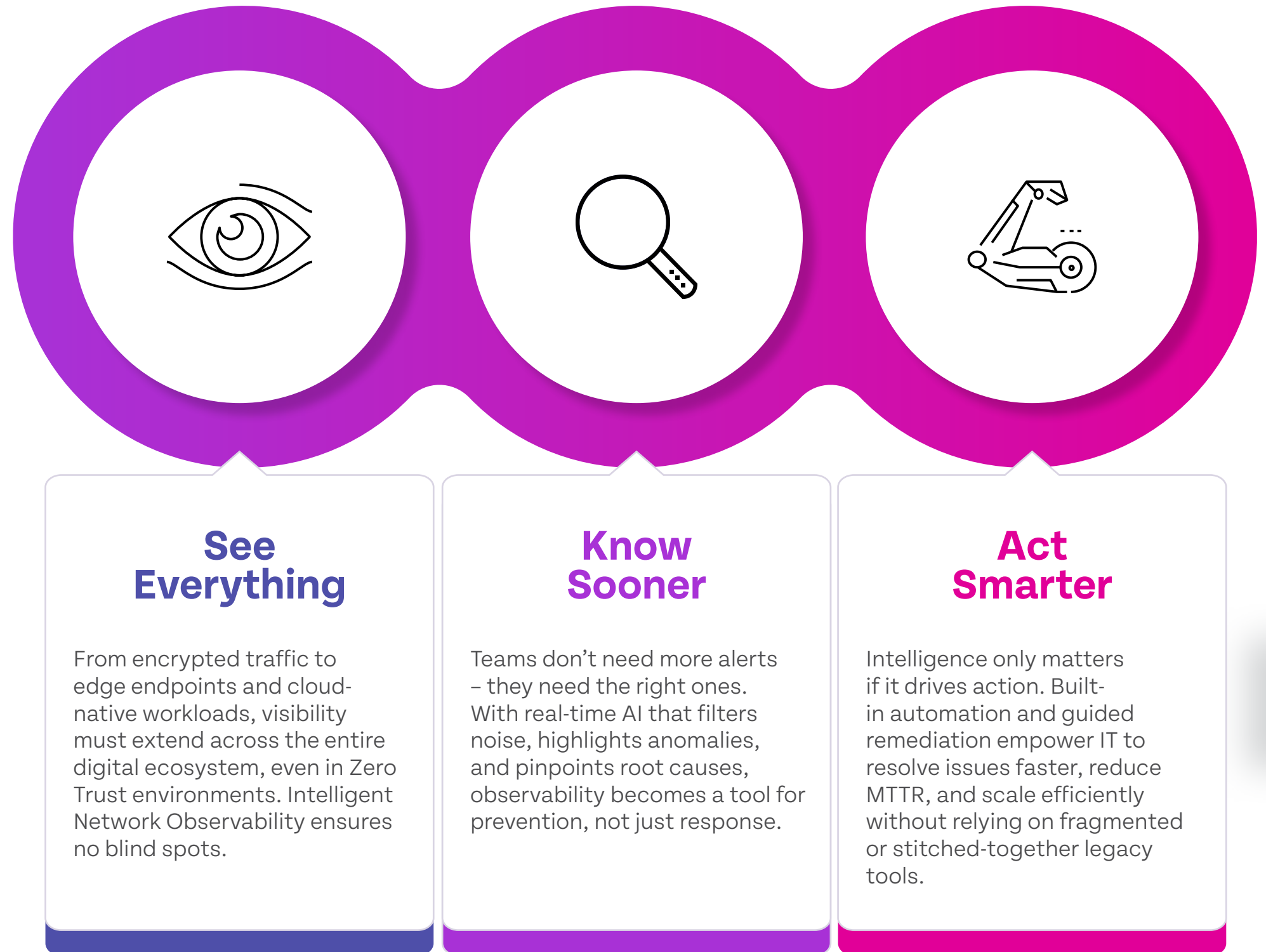▷ **Operate on isolated silos with no cross-domain correlation**

Legacy solutions weren't built for scale or speed. As complexity intensifies, organizations need a smarter, unified approach: one that accelerates resolution, sharpens visibility, and anticipates problems before they disrupt the business.

A New Mandate for Network Observability:
Built for Intelligence

What's needed is a fundamentally different approach. **Intelligent Network Observability** moves beyond data collection to deliver insights, speed, and proactive control. By unifying full-fidelity telemetry with centralized context, explainable AI, and automation, Riverbed enables IT teams to detect, diagnose, and resolve issues before they impact users.

These capabilities are no longer aspirational – they're foundational. Intelligent Network Observability is now the standard for operating resilient, high-performing digital environments.

With Riverbed, Intelligent Network Observability isn't just a concept. It's a practical, proven strategy – built for speed, built for scale, and built for modern enterprise networks.

See Everything

From encrypted traffic to edge endpoints and cloud-native workloads, visibility must extend across the entire digital ecosystem, even in Zero Trust environments. Intelligent Network Observability ensures no blind spots.

Know Sooner

Teams don't need more alerts – they need the right ones. With real-time AI that filters noise, highlights anomalies, and pinpoints root causes, observability becomes a tool for prevention, not just response.

Act Smarter

Intelligence only matters if it drives action. Built-in automation and guided remediation empower IT to resolve issues faster, reduce MTTR, and scale efficiently without relying on fragmented or stitched-together legacy tools.

The Framework for Modern IT

Intelligent Network Observability redefines the model for how enterprises monitor and manage their networks – collecting the right data, in the right context, with the intelligence to drive action.

Complete Telemetry, No Gaps
1

Full-fidelity packet, flow, infrastructure, and endpoint data, captured and retained without sampling to ensure nothing is missed.

Centralized Context
2

A unified data store that brings disparate metrics together for correlation, baselining, and time-aligned analysis across environments.

Persona-Based Interfaces
3

Role-specific dashboards for NetOps, SecOps, and other teams that highlight what matters most, ensuring the right data, at the right time, for the right user.

AI That Drives Action
4

Layered AI – causal, predictive, generative, and agentic – surfaces root causes, anticipates issues, generates insights, and automates intelligent next steps.

Workflow-Ready Integration
5

Automated insights and remediations flow directly into existing tools, enabling teams to act quickly and decisively within the environments they already use.

Cross-Domain Visibility
6

Full-stack insights that break down performance and security silos, enabling faster triage, clearer accountability, and more effective collaboration.

**This is what Intelligent Network Observability looks like.
And this is exactly the approach Riverbed has engineered from the ground up.**

Bringing Intelligent Network Observability to Life

Riverbed's approach to Intelligent Network Observability is grounded in a practical, outcome-driven model: full-fidelity telemetry, centralized context, cross-domain correlation, and adaptable AI that explains, guides, and automates.

While many vendors promise AIOps, Riverbed delivers actionable intelligence with built-in automations that streamline resolution and improve performance at scale. This isn't aspirational – it's what Riverbed enables today through an integrated observability platform.
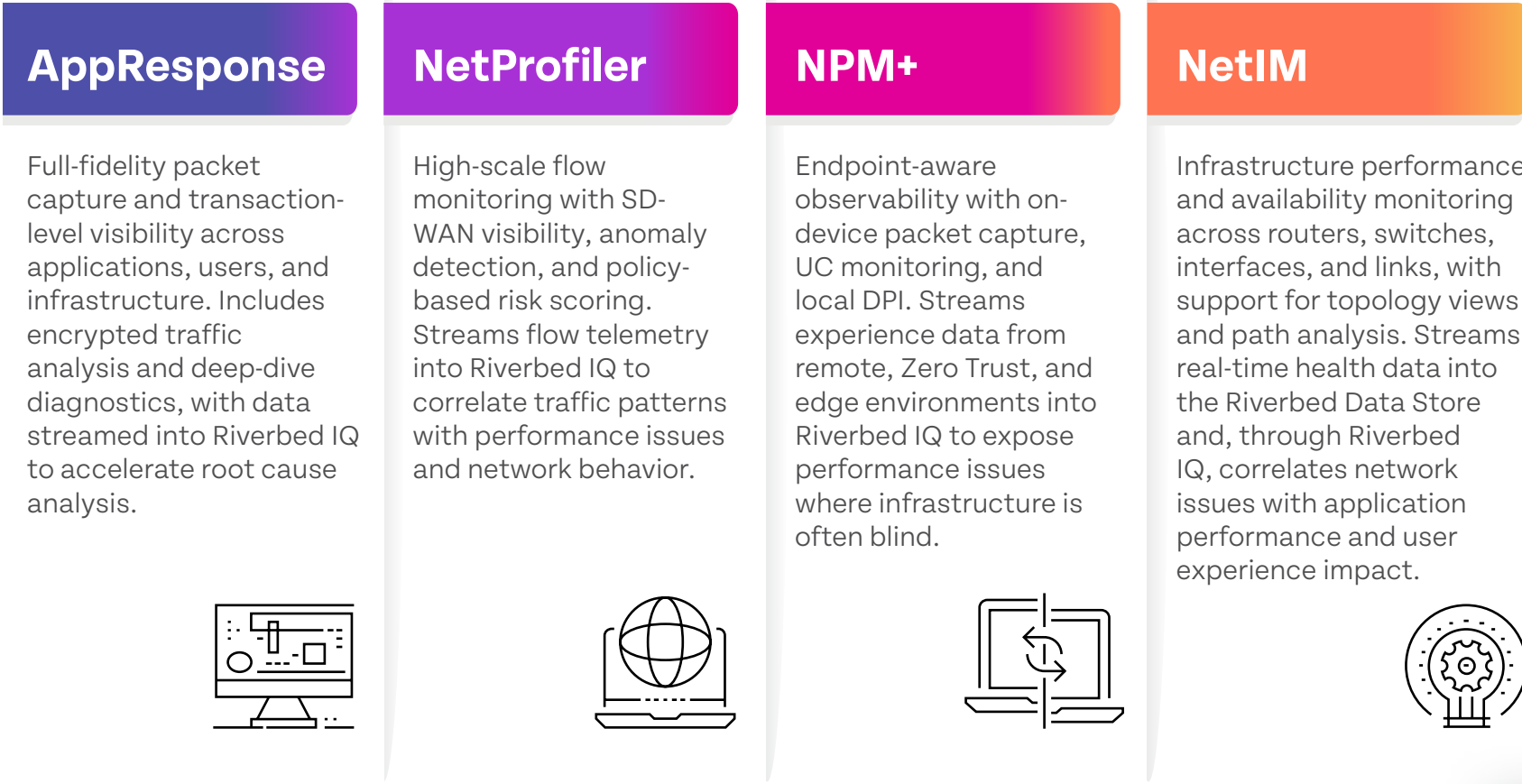
At the foundation of this model is the Riverbed Data Store, a high-performance telemetry layer purpose-built to house and correlate application, network, infrastructure, user experience, and even third-party data – all without sampling. This shared context enables true visibility across environments, timelines, and domains.

Sitting above the Riverbed Data Store is Riverbed IQ, the AI-driven insight and automation layer that turns data into decisions. IQ isn't a bolt-on tool – it's embedded across the Riverbed ecosystem, delivering real-time, human-readable insights that explain root causes, detect anomalies, and guide resolution. It learns what's normal, flags what's not, and acts on what matters, supporting IT teams with automation that accelerates workflows and streamlines response, all while keeping human oversight firmly in control.

Full-Fidelity Telemetry

Riverbed Intelligent Network Observability is powered by a suite of seamlessly integrated tools, each purpose-built for a specific layer of visibility. Whether your priority is packet capture, flow analysis, infrastructure monitoring, or endpoint insight, you can start where it matters most and expand over time to meet your organization's evolving needs.

AppResponse

Full-fidelity packet capture and transaction-level visibility across applications, users, and infrastructure. Includes encrypted traffic analysis and deep-dive diagnostics, with data streamed into Riverbed IQ to accelerate root cause analysis.

NetProfiler

High-scale flow monitoring with SD-WAN visibility, anomaly detection, and policy-based risk scoring. Streams flow telemetry into Riverbed IQ to correlate traffic patterns with performance issues and network behavior.

NPM+

Endpoint-aware observability with on-device packet capture, UC monitoring, and local DPI. Streams experience data from remote, Zero Trust, and edge environments into Riverbed IQ to expose performance issues where infrastructure is often blind.

NetIM

Infrastructure performance and availability monitoring across routers, switches, interfaces, and links, with support for topology views and path analysis. Streams real-time health data into the Riverbed Data Store and, through Riverbed IQ, correlates network issues with application performance and user experience impact.

Each solution adds a vital layer of visibility, feeding into the centralized Riverbed Data Store to create a unified, full-fidelity telemetry foundation. Layered on top, Riverbed IQ continuously analyzes this data across domains, delivering explainable insights and orchestrated automations that integrate directly into existing workflows.

This is network observability reimagined: not just more data, but smarter decisions at every layer.

The Path Forward: Intelligent Network Observability Starts Here

The network has never been more critical – or more complex. As organizations embrace cloud, hybrid work, and distributed edge architectures, IT teams must ensure security, performance, and user experience across environments they don't fully control. Traditional monitoring tools weren't built for this. Riverbed is.

Riverbed Intelligent Network Observability is purpose-built for today's dynamic networks. It unifies full-fidelity telemetry across packet, flow, endpoint, and infrastructure domains through the Riverbed Data Store, and applies explainable, real-time intelligence with Riverbed IQ – our SaaS-delivered AI and automation layer.

Legacy tools fragment visibility, generate noisy alerts, and require manual correlation. Riverbed changes that. By delivering centralized telemetry and adaptive intelligence through an integrated platform, we help teams cut through the noise, focus on what matters, and act faster with confidence.

For IT leaders ready to reduce complexity, improve resiliency, and scale digital experience, Riverbed provides the data foundation, AI-powered insight, and operational flexibility to make it happen.

Experience the Difference. Schedule a demo or talk to your Riverbed representative to see how Intelligent Network Observability can work for you.

LEARN MORE AT RIVERBED.COM >   **REQUEST A RIVERBED PLATFORM DEMO >**   **CONTACT RIVERBED EXPERTS FOR SOLUTIONS & SERVICES >**

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Riverbed – Empower the Experience

Riverbed is the only company with the collective richness of telemetry from network to app to end user that illuminates and then accelerates every interaction so that users get the flawless digital experience they expect across the entire digital ecosystem. Riverbed provides two industry-leading solutions: the Riverbed Unified Observability portfolio, which integrates data, insights, and actions across IT to enable customers to deliver seamless digital experiences; and Riverbed Acceleration, which offers fast, agile, and secure acceleration of any application over any network to users, whether they are mobile, remote, or on-premises. Together with our thousands of partners, and market-leading customers across the world, we empower every click, every digital experience. Learn more at riverbed.com.