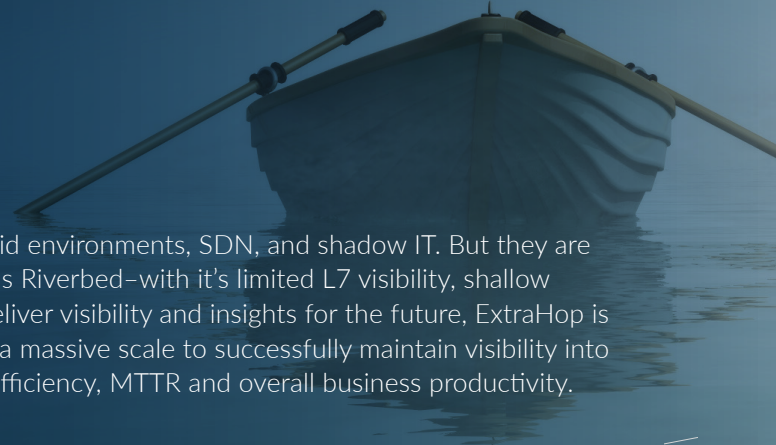


# ExtraHop vs. Riverbed

## Don't Lose Visibility in a Murky Riverbed

NetOps and ITOps face countless challenges created by hybrid environments, SDN, and shadow IT. But they are far from insurmountable. While legacy NPM solutions, such as Riverbed—with its limited L7 visibility, shallow protocol analysis, and lack of machine learning—promise to deliver visibility and insights for the future, ExtraHop is already there. ExtraHop empowers IT teams to modernize at a massive scale to successfully maintain visibility into all transactions on the network and help to improve IT staff efficiency, MTTR and overall business productivity.



EXTRAHOP



RIVERBED

### INTEGRATED WORKFLOW

ExtraHop provides actionable correlated insights from a unified, and intuitive UI -- ultimately taking you from alerts to transactions to packets in a matter of clicks all within one interface. We provide an automated and accelerated investigation that integrates with your enterprise tools, allowing you to move from a reactive remediation process to a proactive, analytics-first operation. Riverbed has inconsistent workflows between product lines requiring users to access multiple interfaces which further complicate a unified workflow from receiving an alert, to finding transactions and querying packets. Riverbed is innovating through acquisition and lacks any significant product development outside of feature parity, leaving the user frustrated and wondering what's next.

**Your team needs answers, not more interfaces to look at.**



EXTRAHOP



RIVERBED

### MACHINE LEARNING

ExtraHop leverages network data and applies machine learning to deliver deeper insights, maximum accuracy, and fewer false positives. ExtraHop's machine-learning engine accomplishes this by leveraging the cloud, bypassing the need to perform these complex computations on-box, further degrading performance. Riverbed currently has no machine-learning ability outside of simple dynamic baselining.

**With constant growth of data, can you really monitor your environment without machine learning?**



100Gbps

EXTRAHOP



20Gbps

RIVERBED

### SUSTAINED THROUGHPUT

ExtraHop gathers and analyzes 100Gbps of data in real-time on a single appliance; providing rich, contextual insights within 15 minutes of being turned on. Our award-winning platform decrypts at line-rate and gives visibility into all SSL traffic, including PFS-encrypted sessions (in addition to the newer TLS 1.3), and provides full visibility into every L7 transaction. The Riverbed ARX 8170 provides 20Gbps of L4 analysis, not L7. The ARX 8170 can only achieve 20Gbps of throughput with DPI turned off, which means the user is losing visibility into 1600+ auto recognized applications like Google and Facebook. With DPI turned on, throughput drops to 18Gbps.

**If analytics cannot scale, it cannot solve the problem.**



### CLOUD INTEGRATIONS

Whether you are running an Azure, GCP, AWS or a multi-cloud shop, ExtraHop supports hybrid cloud initiatives before, during and after migrations. As the first NPM vendor to offer a solution for AWS, ExtraHop has been developing integrations with CloudWatch, CloudTrail, VPC Flow Log, Azure Monitor, and Azure Activity Log. Currently, Riverbed offers no integration with cloud provider monitoring tools.

**Are you okay with limited visibility into your cloud-based applications and services?**



**3.6 Million**  
RSA/min.

EXTRAHOP



**167,000**  
RSA/min.

RIVERBED

### DECRYPTION CAPABILITIES

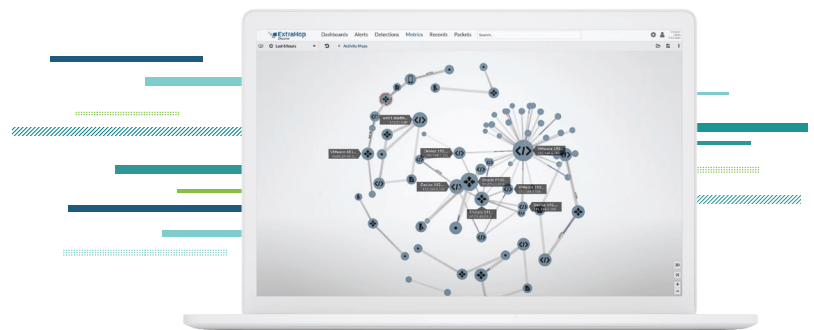
ExtraHop decrypts and analyzes packets all the way down to the application payload at Layer 7, providing the definitive insights organizations need to prioritize their actions and respond confidently, in a way that encrypted data limited to L4 flow communications cannot. ExtraHop is an out-of-band solution that conducts all decryption and analytics in real-time, even TLS 1.3 without the need to store packets. This means real-time is instant and not post capture, which can potentially miss anomalies minutes after they've occurred. ExtraHop's decryption is also hardware-based and can operate at line rate up to 100Gbps which breaks down to 3.6 million RSA/min. Riverbed's flagship appliance peaks at 20Gbps or 167k RSA/min, and performance decreases to 18Gbps when SSL or DBA analysis is turned on.

**Real-time analytics should mean real-time analytics.**

## SEE EXTRAHOP IN ACTION

Try our fully interactive online demo to see how the ExtraHop platform applies the power of machine learning to your richest dataset—the real-time communications on the network.

[www.extrahop.com/demo](http://www.extrahop.com/demo)



### ABOUT EXTRAHOP NETWORKS

ExtraHop provides enterprise cyber analytics that deliver security and performance from the inside out. Our breakthrough approach analyzes all network interactions and applies advanced machine learning for complete visibility, real-time detection, and guided investigation. With this approach, we help the world's leading enterprises rise above the noise of alerts, organizational silos, and runaway technology. Whether you're investigating threats, ensuring delivery of critical applications, or securing your investment in cloud, ExtraHop helps you protect and accelerate your business.



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