Digital Transformation Demands Unified Network Performance Management

The network is your digital transformation platform. Every digital service traverses a network.

NPM Tool Fragmentation Undermines Transformation

67% of enterprises have at least 6 NPM tools installed.

NetOps with Fragmented Toolsets:

- Struggle with problem detection
- Integrated platforms: more effective at performance monitoring than standalone, best-of-breed tools
- Tools that can correlate multiple classes of network data are more effective in all NPM use cases

EMA research found that NPM tools should be integrated, not fragmented.

Spend more time on reactive troubleshooting.

Five Essential Elements of Unified Network Performance Management

1. Diverse Data Collection and Analysis

- Events/data collected from other IT systems
- Tests (ping, traceroute)
- Logs
- Synthetic traffic
- Packets
- Device metrics
- Flow records

- Most valuable sources of data for NPM tools

2. Workflows and Functionality for Five Core Use Cases

- Performance monitoring
- Troubleshooting
- Security monitoring and response
- Capacity management
- Cloud application migration assessment

3. Platform Scalability

- On-premises or in the cloud, the network continues to grow.

- NPM tools must be able to:
  - Collect raw data in tight intervals
  - Store as much data as possible
  - Facilitate drilldowns to the data that provides critical insights

4. Platform Granularity

- NPM tools often lack the right insights.

- Top complaints of NPM tool users:
  - Collect data across the ever-growing network
  - Unified packet, flow, and device metrics at scale and with granularity, wherever you need visibility
  - Open and integrated across the Riverbed portfolio and with third parties
  - Analytics and machine learning at the domain level and across the platform
  - Cloud-ready – visibility in and for the cloud

5. AIOps

- AIOps can amplify the expertise of admins and engineers

- Top use cases for AIOps-driven NPM:
  - Enhanced visibility into network health
  - More powerful problem detection
  - Adaptive trouble and change management
  - Predictive maintenance

For more information on Riverbed NPM, go to www.riverbed.com/NPM.