

Digital Transformation Demands Unified Network Performance Management

THE NETWORK IS YOUR Digital Transformation Platform

Every digital service traverses a network

EMA RESEARCH

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Digital transformation is the top driver of enterprise network strategies



Network performance management platforms provide digital assurance:

- Operational monitoring & troubleshooting
- Security insights
- Capacity management

New digital services need a network that is:

- High-performing
- Right-sized
- Secure

NPM TOOL FRAGMENTATION Undermines Transformation

67% OF ENTERPRISES HAVE 3-6 NPM TOOLS INSTALLED

NETOPS WITH FRAGMENTED TOOLSETS:

- Struggle with problem detection
- Spend more time on reactive troubleshooting

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

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

Five Essential Elements of Unified Network Performance Management

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Diverse Data Collection and Analysis

Events/data collected from other IT systems

Device metrics

Flow records

Most valuable sources of data for NPM tools

Packets

Tests (ping, traceroute)

Logs

Synthetic traffic

NPM tools that correlate multiple data sources provide better insight into

APPLICATION PERFORMANCE 93%

SECURITY EVENTS 90%

END-USER EXPERIENCE 82%

ANOMALY DETECTION 82%

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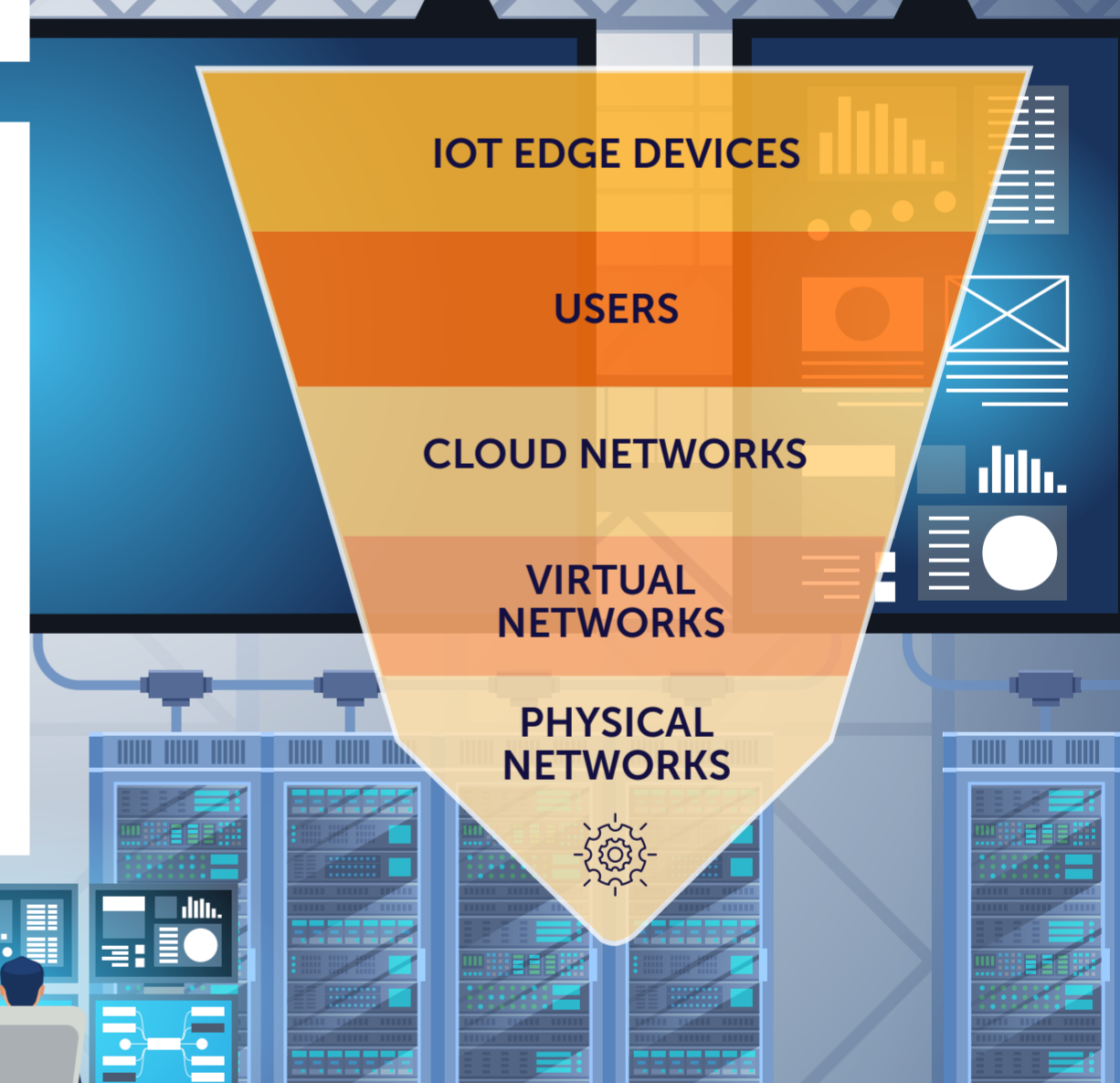
Workflows and Functionality for Five Core Use Cases

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

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Platform Scalability

- On-premises or in the cloud, the network continues to grow
- NPM TOOLS MUST BE ABLE TO:
- Collect data across the ever-growing network
 - Process data at scale
 - Store data for back-in-time analysis
 - Present meaningful insights to NetOps with drilldown into essential information



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Platform Granularity

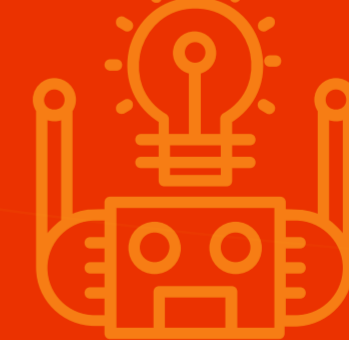
NPM TOOLS OFTEN LACK THE RIGHT INSIGHTS

- TOP COMPLAINTS OF NPM TOOL USERS
- NO REAL-TIME INSIGHT
 - AGGREGATED DATA (SUMMARIES, NO DRILLDOWN)
 - CONFLICTING/INACCURATE DATA
- NPM TOOLS MUST
- COLLECT RAW DATA IN TIGHT INTERVALS
 - STORE AS MUCH DATA AS POSSIBLE
 - FACILITATE DRILLDOWNS TO THE DATA THAT PROVIDES CRITICAL INSIGHTS

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AIops

92% nearly all enterprises are using or want to use embedded AIops functionality in NPM tools



AIops can amplify the expertise of admins and engineers

Top use cases for AIops-driven NPM

- AUTOMATED NETWORK TRAFFIC ANALYSIS
- AUTOMATED ROOT CAUSE ANALYSIS
- AUTOMATED CAPACITY MANAGEMENT
- AUTOMATED SECURITY REMEDIATION

RIVERBED: The Unified NPM Platform

RIVERBED UNIFIED NPM

- 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

FOR MORE INFORMATION ON RIVERBED NPM, GO TO www.riverbed.com/NPM