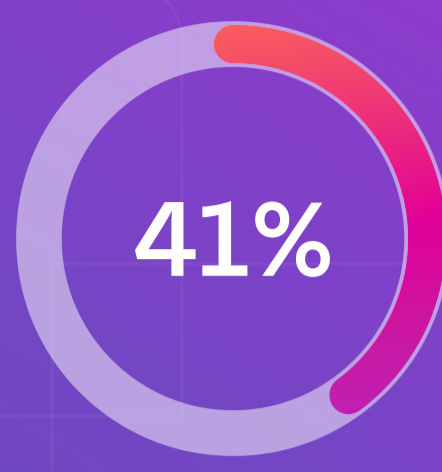# riverbed

Intelligent Automation

Growing Need for Intelligent Automation

With the growing volume, velocity, and variety of today's data, it is no longer possible, much less practical, for a human to analyze the data manually and still meet operational expectations.

41%

of respondents believe the lack of consistent automation and analytics are top barriers to success.[1]

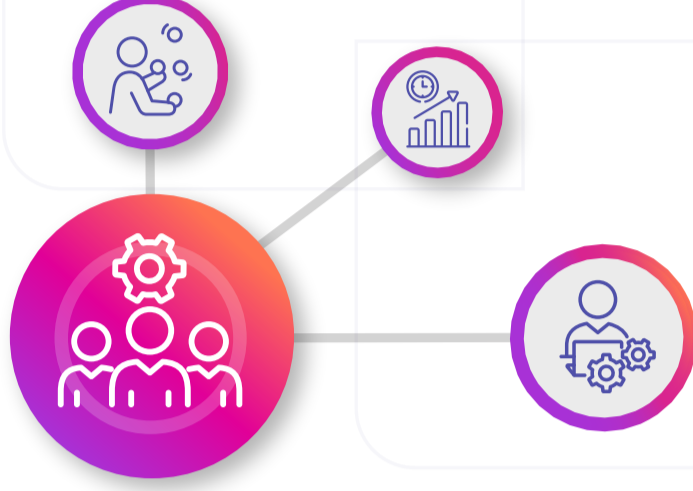### Three key challenges drive need for automation:

Increasing volume, variety, velocity of data leads to alert overload.
- Global data creation is projected to grow to more than 180 zettabytes by 2025.[2]

Inability to hire skilled IT resources means fewer staff does more work.
- An average of 200,000 open tech jobs cannot be filled due to a lack of suitable candidates.[3]

Increasing need to transition from reactive to a proactive troubleshooting.
- 20% of respondents indicated that observability will enable them to move from a reactive to a proactive management stance.[1]

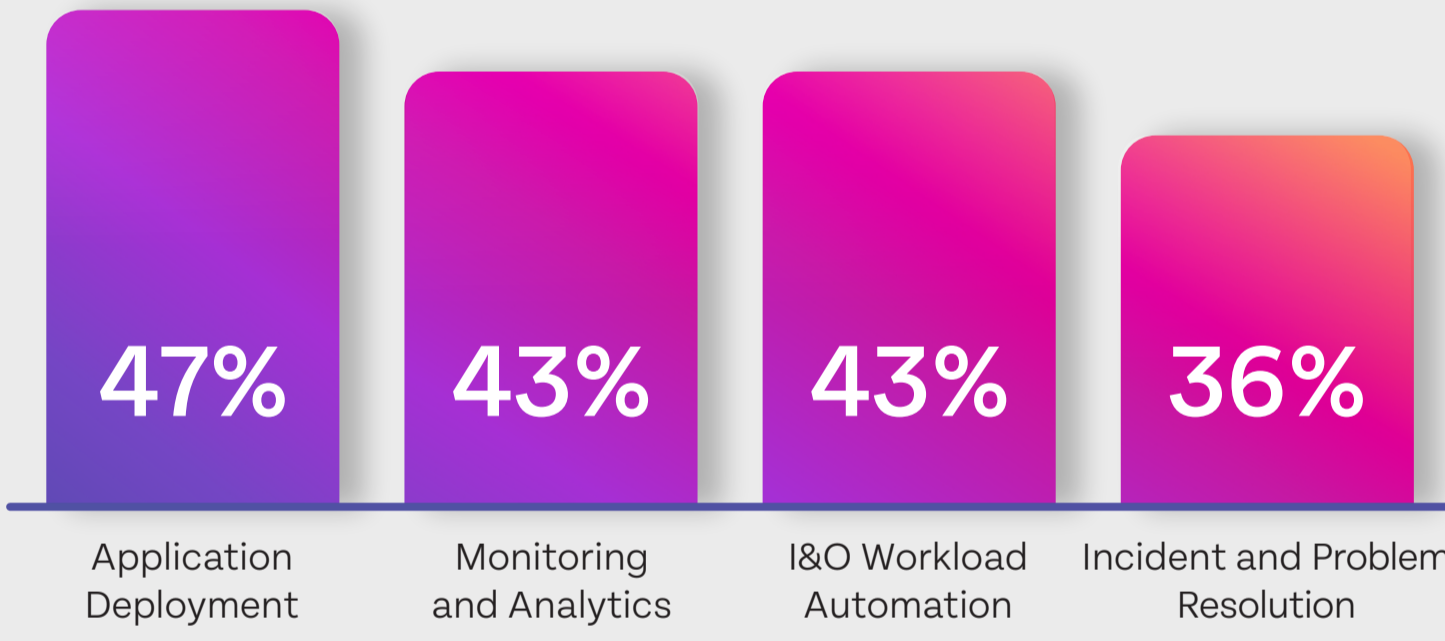## Automation Requirements Strong and Growing

Lack of automation creates bottlenecks in many IT task – including incident detection, remediations, trouble ticketing, and security forensics – while increasing the likelihood of human errors. It leads to longer resolution and recovery times.

92%

of enterprise data and analytics decision-makers are currently using or planning to establish or improve their use of automation technologies.[4]
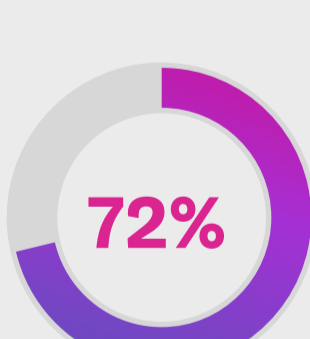
Top Automation Uses:[5]

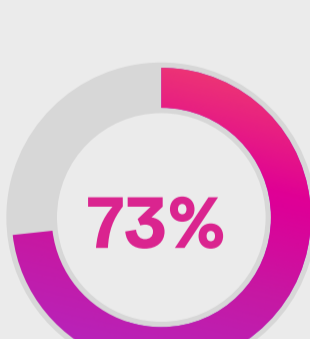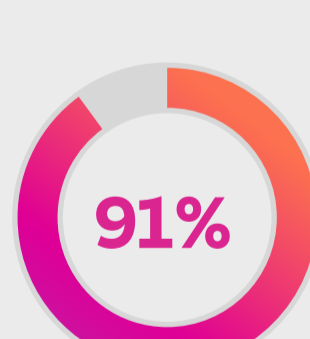| ALLUVIO by riverbed	ALLUVIO by riverbed		
47%	**43%**	**43%**	**36%**
Application Deployment	Monitoring and Analytics	I&O Workload Automation	Incident and Problem Resolution

Benefits of Automation

Automation helps growing businesses scale IT operations, reducing operator drudgery and increasing the speed, quality, and repeatability of processes.

72%
of respondents use or plan to use advanced analytics to support their automation efforts.[6]

73%
of respondents believe that automating investigative workflows would drive faster problem solving.
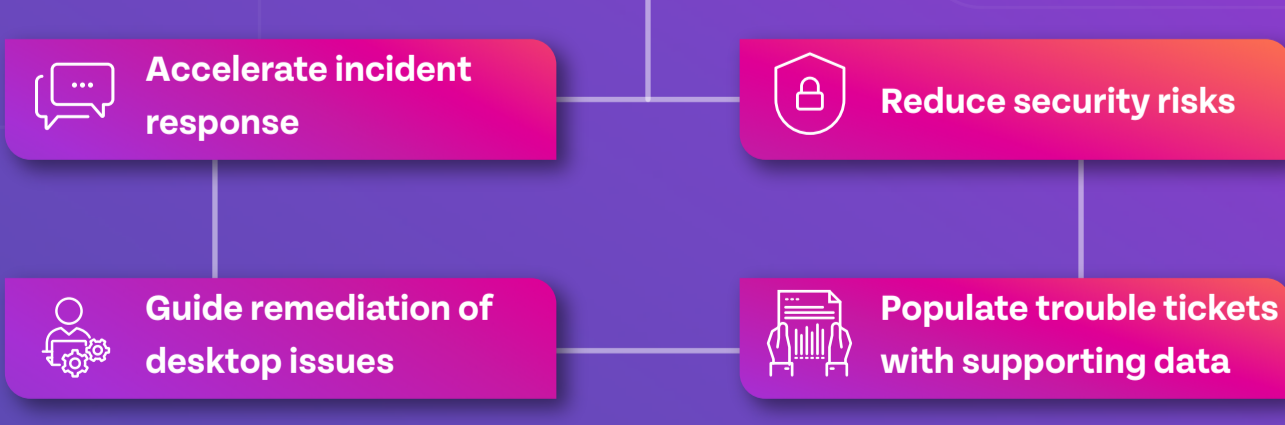
91%
of organizations believe network automation is important to NetSecOps collaboration.[7]

Alluvio Intelligent Automation

The Alluvio Unified Observability portfolio employs a combination of full-fidelity cross-domain data, machine learning, correlation, and intelligent automation for faster,

Alluvio uses automation to:

- Accelerate incident response
- Reduce security risks
- Guide remediation of desktop issues
- Populate trouble tickets with supporting data

"The more complete the data, the more accurate the analysis, the more precise the directed automated action[1]."

1 "The Shift to Unified Observability: Reasons, Requirements, and Returns | Riverbed," Riverbed, 28 Mar. 2022, www.riverbed.com/resource/analyst-report/shift-unified-observability-reasons-requirements-and-returns.
2 "Total Data Volume Worldwide 2010-2025 | Statista," Statista, 8 Sept. 2022, www.statista.com/statistics/871513/worldwide-data-created.
3 Mearian, Lucas. "How Many Jobs Are Available in Technology in the US?" Computerworld, 10 Apr. 2022, www.computerworld.com/article/3543580/how-many-jobs-are-available-in-technology.html.
4 Forrester, AIOps Reference Architecture Defined, June 2022
5 Gartner, State of I&O Automation: A Survey Insights, August 2022
6 IDC, The Shift to Unified Observability: Reasons, Requirements, and Returns, June 2022
7 EMA, Building a Foundation for NetSecOps Partnerships with Network Automation, August 2022.

For more information on Alluvio by Riverbed, visit https://www.riverbed.com/products/unified-observability.

ALLUVIO
by riverbed