

2022 DataAware Pulse Survey

In the third annual DataAware Pulse Survey, results reveal that everyone is still feeling the pain, and while team productivity is increasing, bottlenecks—especially around legacy data systems and team sizes—still plague today's data organizations. All roads lead to data engineering.

With a painful problem comes a powerful solution, and findings indicate that data automation is increasingly emerging as the path to increasing data team capacity and productivity.

As the climb of data automation dramatically accelerates, the emergence of Data Mesh and Data Fabric technologies also plays a strong role in increasing team productivity and capacity. Low- and no-code solutions continue to lose ground to solutions that provide more flexibility that meets the needs of everyone on the data team.



Vast Majority of Data Teams Are STILL At or Over Capacity



of data teams report their workloads are at or over capacity



Capacity Is Only Getting Tighter



of respondents expect an increase in data pipelines

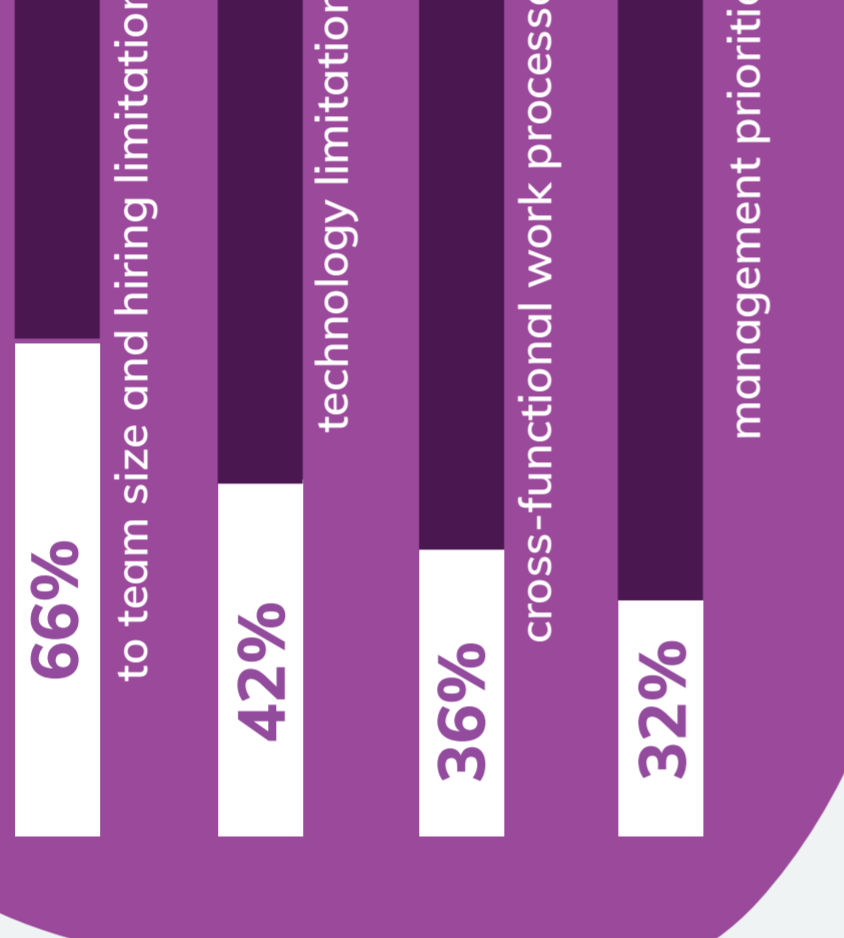


of respondents said the need for data products is growing faster than team size



of respondents expect a 50%+ increase in data pipelines by the end of the year

And There Are A Variety of Reasons...



A Solution Is Needed For All Members of Data Teams



Enterprise architects are **1.5X** more likely to say they're the most bottlenecked



Data analysts are **1.9X** more likely to say they're the most bottlenecked



Data engineers are **2X** more likely to say they're the most bottlenecked



Data scientists are **3.3X** more likely to say they're the most bottlenecked



Data Access Remains a Major Bottleneck

On average

Data scientists spend **24.6 hrs** per week trying to access the data they need to do their job



Overall, data teams spend **18.91 hrs** per week trying to access the data they need to do their job

How Do You Fix The Productivity Issues?

2022
2021

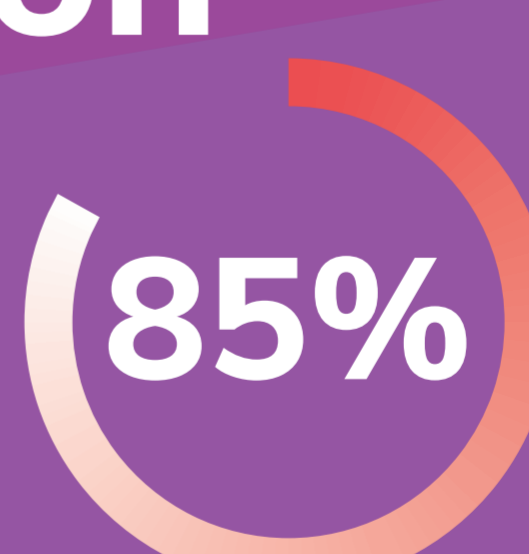
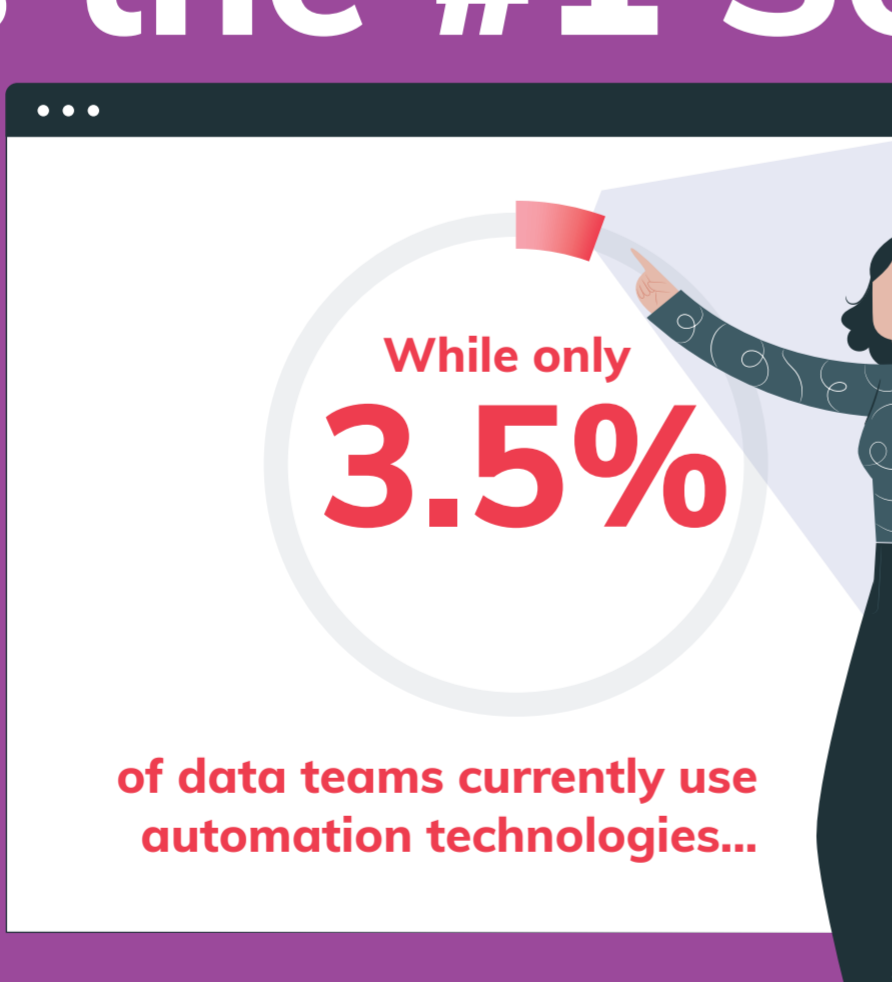
51% plan to buy new technologies, down 1% from 2021

50% plan to hire more people, up 3% from 2021

34% plan to replatform and retire legacy technologies, up 4% from 2021

And that's not all...

Automation Is the #1 Solution



Best of Both Worlds: Flex-Code

Would teams move to low- or no-code tools if they also allowed for flex-code?

Overwhelmingly yes with **81%** saying yes



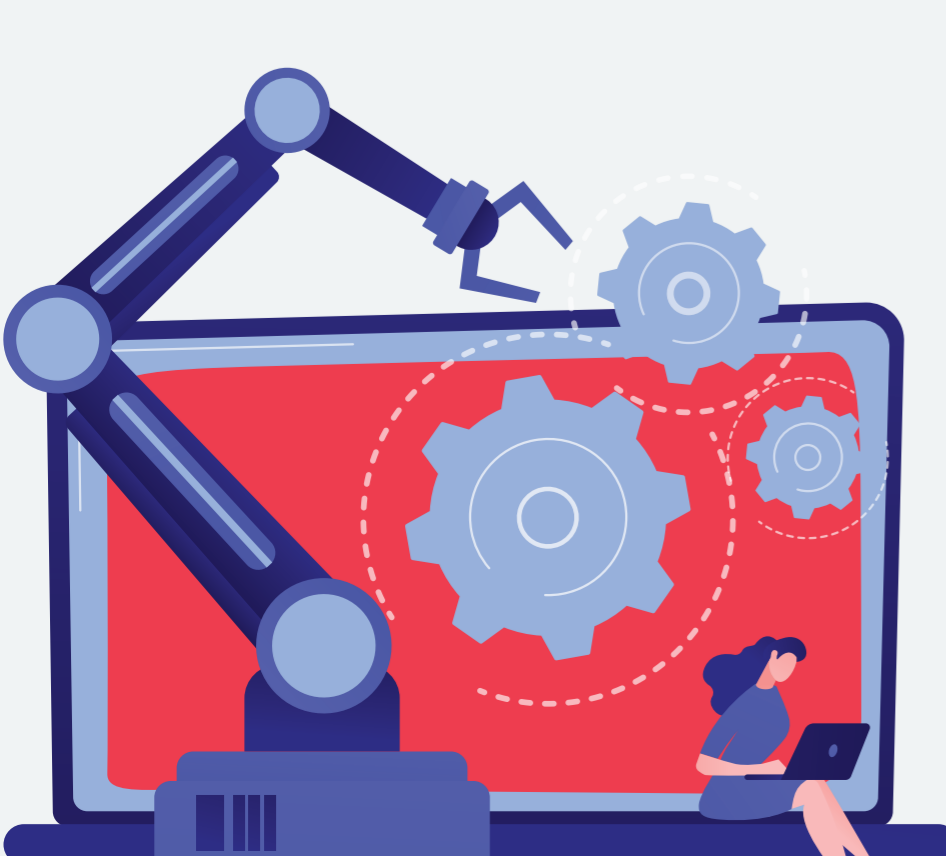
vs. **73%** in 2021

With Automation, Are Data Mesh and Data Fabric On the Horizon?

86% of data teams believe data mesh/fabric technologies will enable them to make the most of their existing data architectures.



76% of data teams plan to implement them in the next 24 months, with 43% of those happening in the next 12 months.



104 Data Officers

105 Data Analysts

104 Data Engineers

104 Data Scientists

123 Enterprise Architects

540 Total Respondents