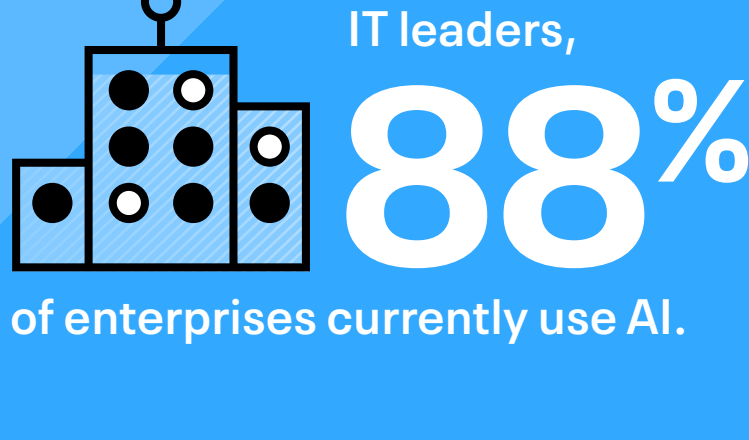


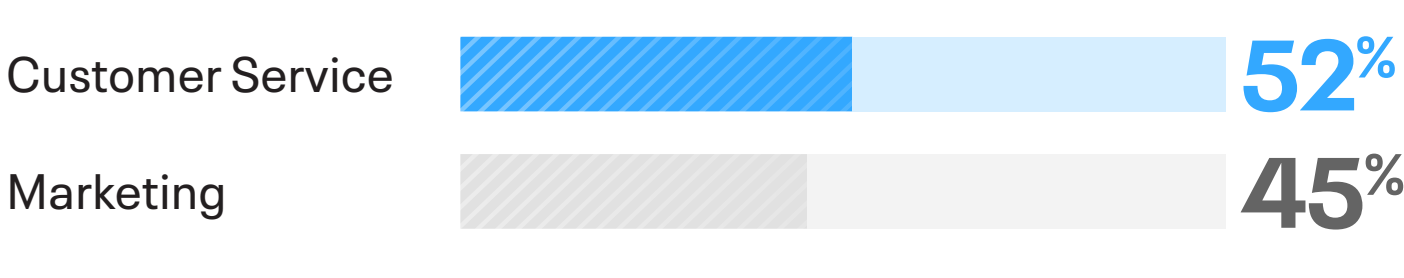
The State of Enterprise AI and Modern Data Architecture

AI promises to significantly increase productivity across industries, bringing it top of mind for enterprise business and technology leaders alike. However, many enterprises face adoption and scaling challenges due to limited and outdated data architectures. To dive deeper into this issue, Cloudera and third-party research firm Researchscape surveyed 600 IT leaders at companies with over 1,000 employees to learn about the current state of AI, the biggest challenges to AI adoption, and more.

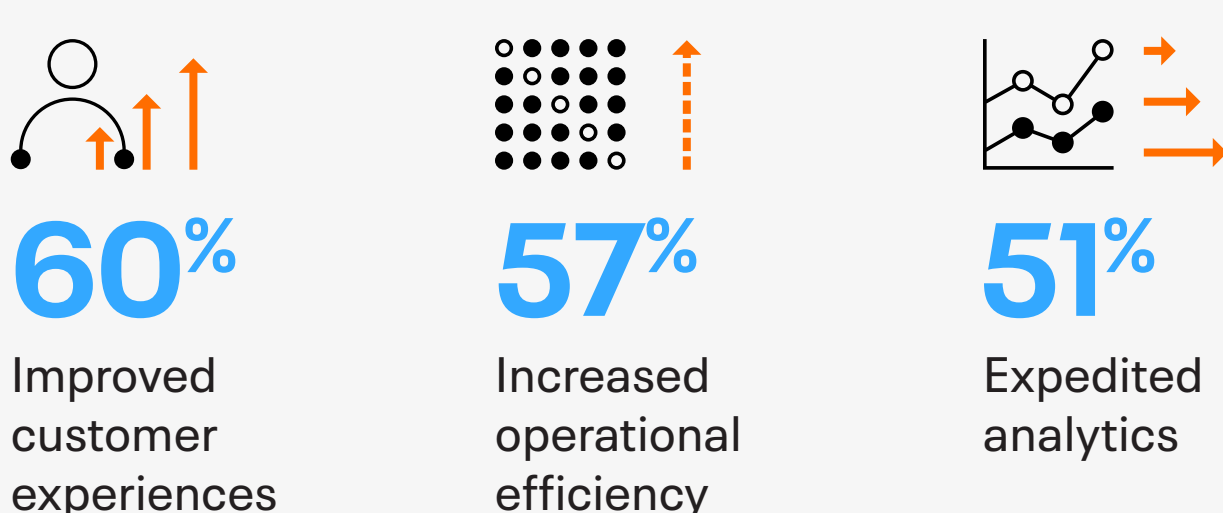
Enterprises have wasted no time adopting AI for a variety of purposes.



The top three departments leveraging AI are:



The top benefits of deploying AI:



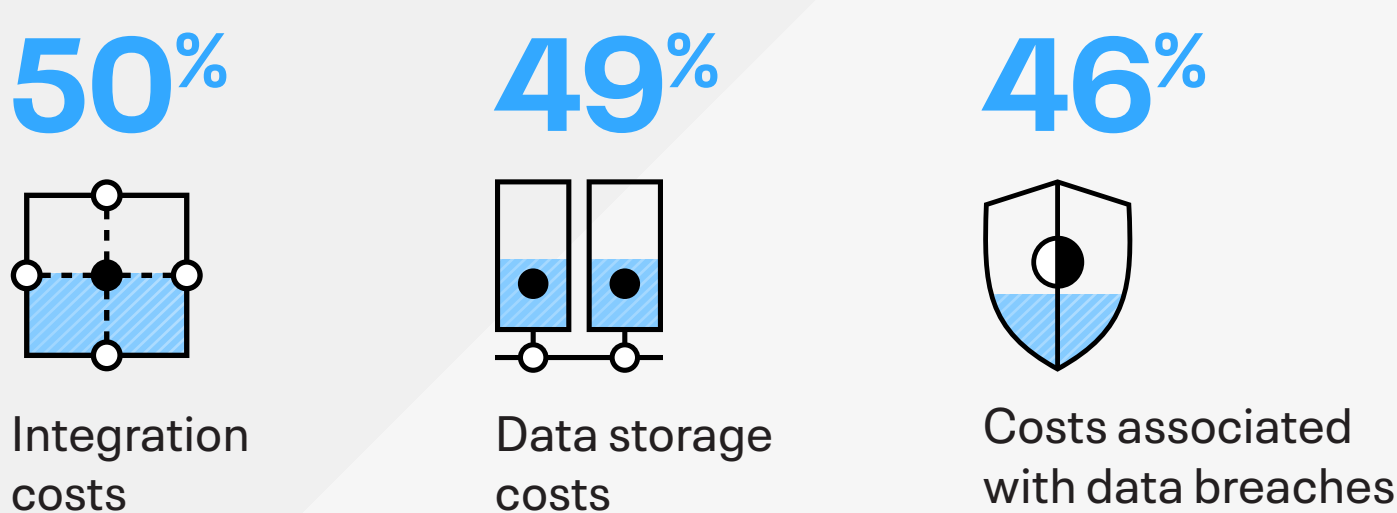
Most organizations have adopted some form of AI, but many organizations have not scaled the technology.

Of the organizations that have adopted AI, more than a third (39%) said that only some or almost none of their employees currently use AI tools.

Top four barriers to adopting AI:



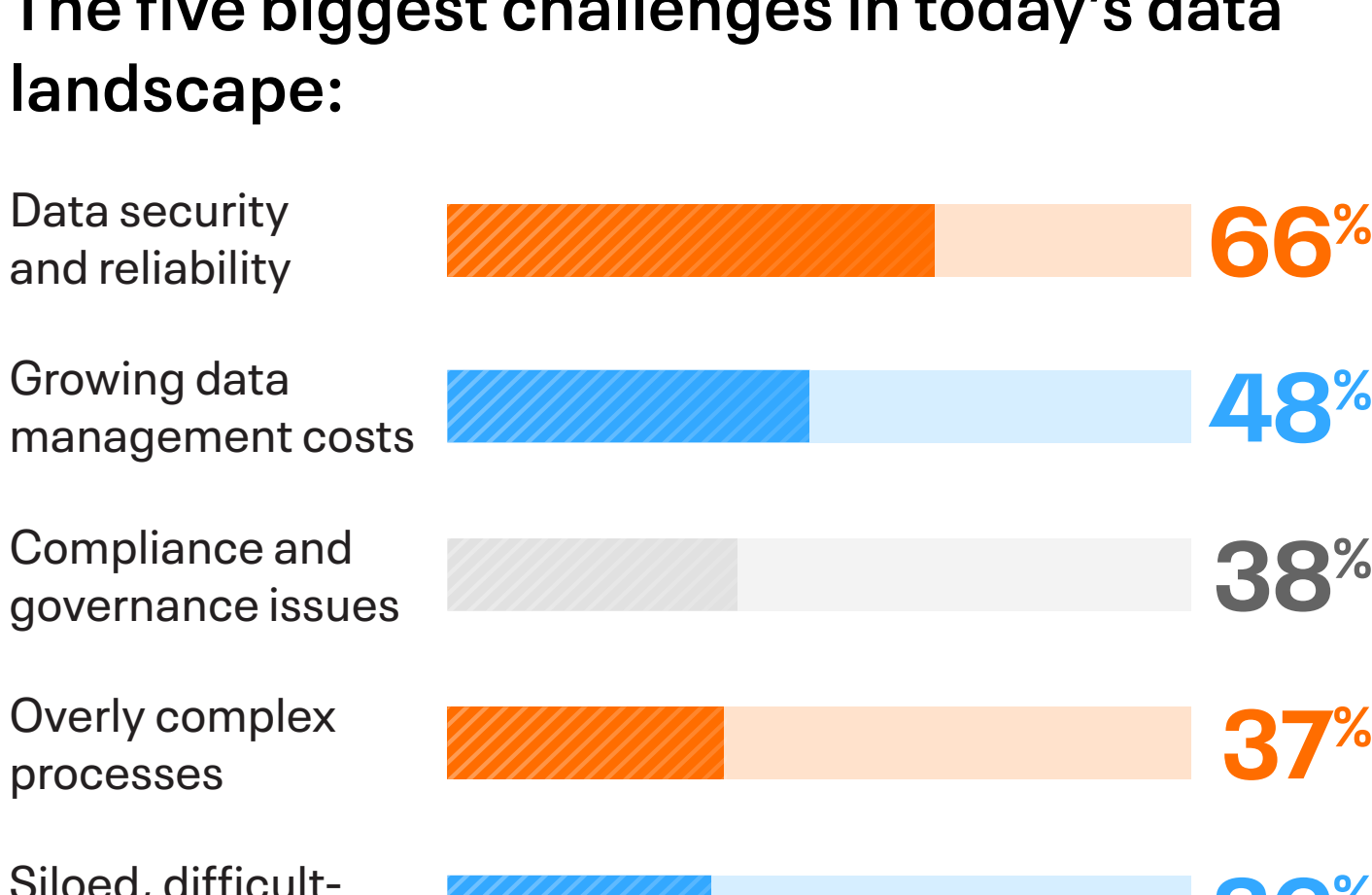
The top three costs preventing accelerated AI initiatives:



Limited or outdated data architecture is the biggest obstacle to implementing and scaling AI.

According to respondents, 81% of organizations store data in a private cloud, while 58% use a public cloud, 42% use on-premises mainframes, 31% use on-premises distributed systems, 29% use other physical environments, and 19% use a data lakehouse.

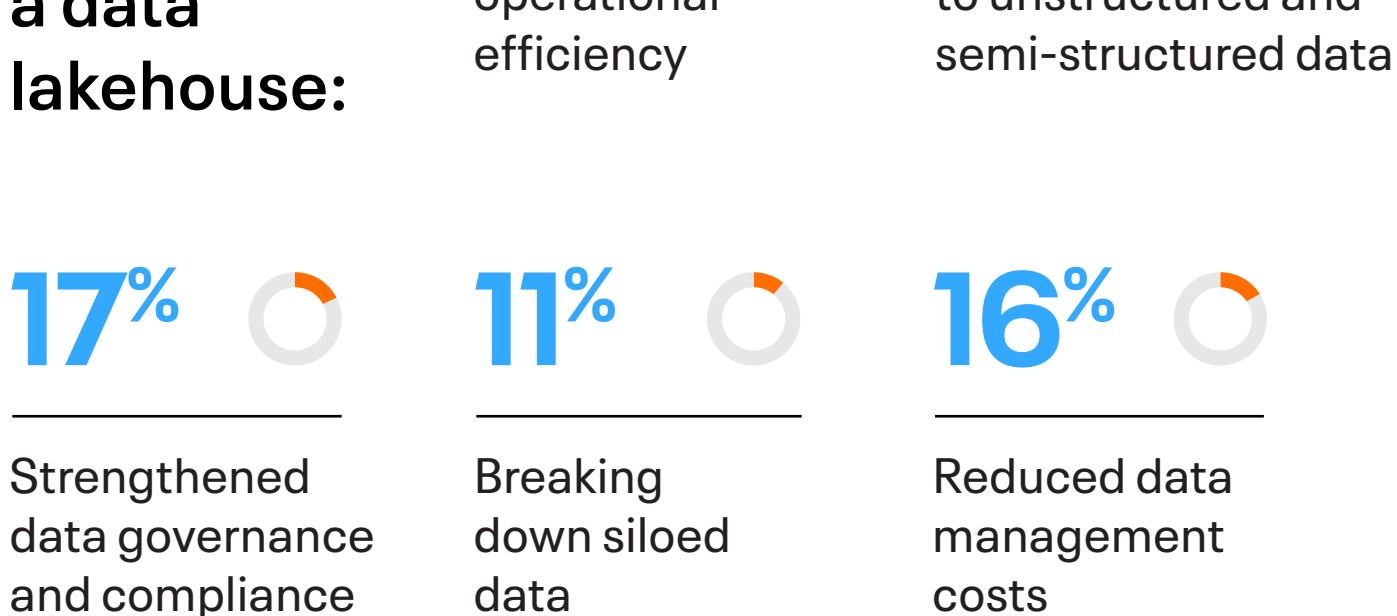
The five biggest challenges in today's data landscape:



Over half (55%) of IT leaders say they would rather get a root canal than try to access all of their company's data.



The top benefits of leveraging a data lakehouse:



Conclusion:

The benefits of AI include better customer experiences, greater productivity, error reduction, process acceleration, workflow improvement, and more. But even with all of the excitement around AI, enterprises must navigate some difficult challenges regarding data management and data silos. AI is only as good as the underlying data, so businesses need a modern data architecture that simplifies data management and governance and provides unified self-service access to data across hybrid environments to realize the technology's true potential.