

Data integration for data-driven outcomes: a technical and cultural challenge

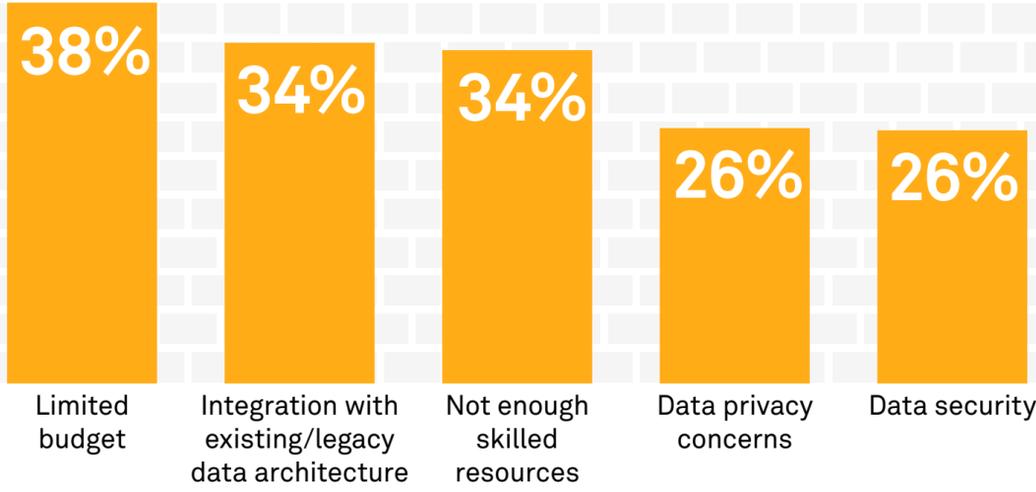
The complexity of data management has never been greater, and organizations that report making most or all of their strategic decisions based on data incur higher levels of data silos:

Organizations with more than 50 data silos



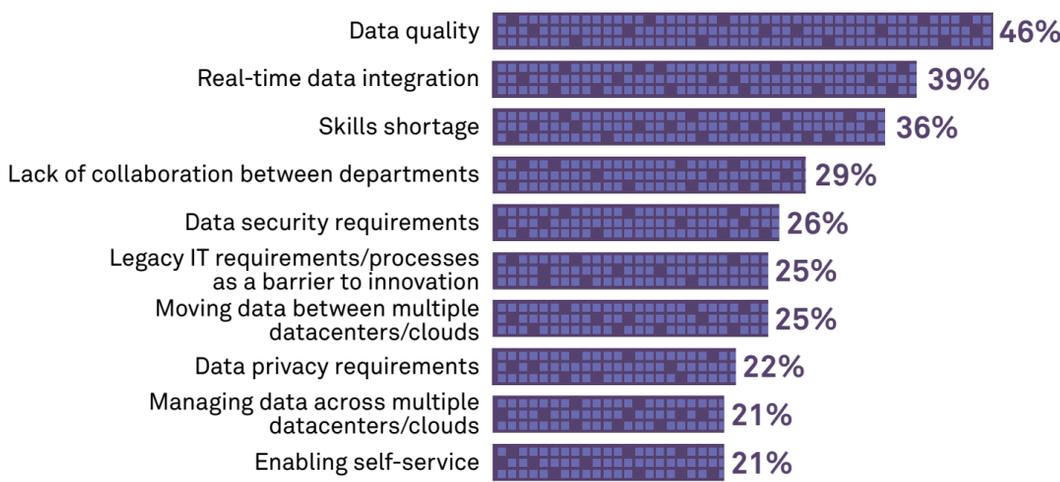
Deriving cohesive insight from this distributed data landscape can pose major challenges.

Barriers to becoming more data-driven



It's little surprise that budget is a perennial challenge in attempting to be more data-driven, but **key technical challenges** continue to confound even the most advanced organizations, underscoring the need for broad architectural compatibility.

Biggest analytics challenges



Within the average business, more individuals are becoming consumers of data, putting additional emphasis on the need for **consistent data quality and real-time integration methodology**. Worker productivity is directly influenced by the availability and interpretability of relevant data.

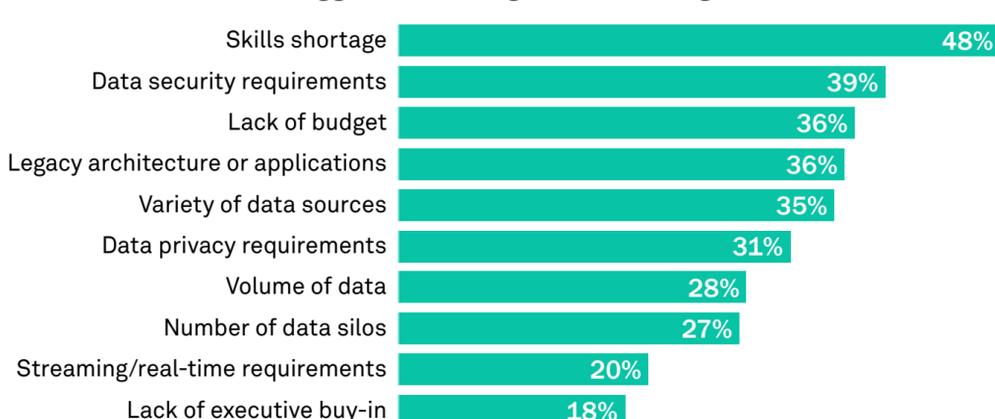
Most think of efforts to improve data culture as educational initiatives such as awareness and upskilling. Practically speaking, data culture tends to be more product-centric:

Steps taken to improve data culture



In a deeply data-driven organization, all workers need to become data beneficiaries and consumers. While historically data was thought to be the realm of IT, current trends indicate that departmental and line-of-business personas are actually prioritized in data access processes and initiatives.

Biggest data integration challenges



All this effort toward data access and use is for naught if not adequately paired with appropriate cultural adjustments. When it comes to data integration, skills shortages and budget remain top concerns, but there is also the practical matter of meeting data security requirements amid intensifying regulatory demands.

Striking a balance with data access and data protection is key for success.

Source: 451 Research's Voice of the Enterprise: Data & Analytics, Data Management & Analytics 2020



Data integration is one of the most complex IT challenges and our mission is to simplify it. By simplifying data integration, MarkLogic helps organizations gain agility, lower IT costs, and safely share their data. Learn more about the highly differentiated [MarkLogic Data Hub Platform](#).