

5 Key Recommendations for Your Next-Gen Cloud Data Architecture



Organizations are migrating their data and application workloads away from on-premises analytics and data warehousing environments to the cloud. Instead of considering the data warehouse and the data lake as independent “data islands” that coexist in a cloud platform, it is time to reconsider the fundamental ways that information is accumulated, managed, and then provisioned to the different downstream data consumers.

Challenges with traditional architectures

80%

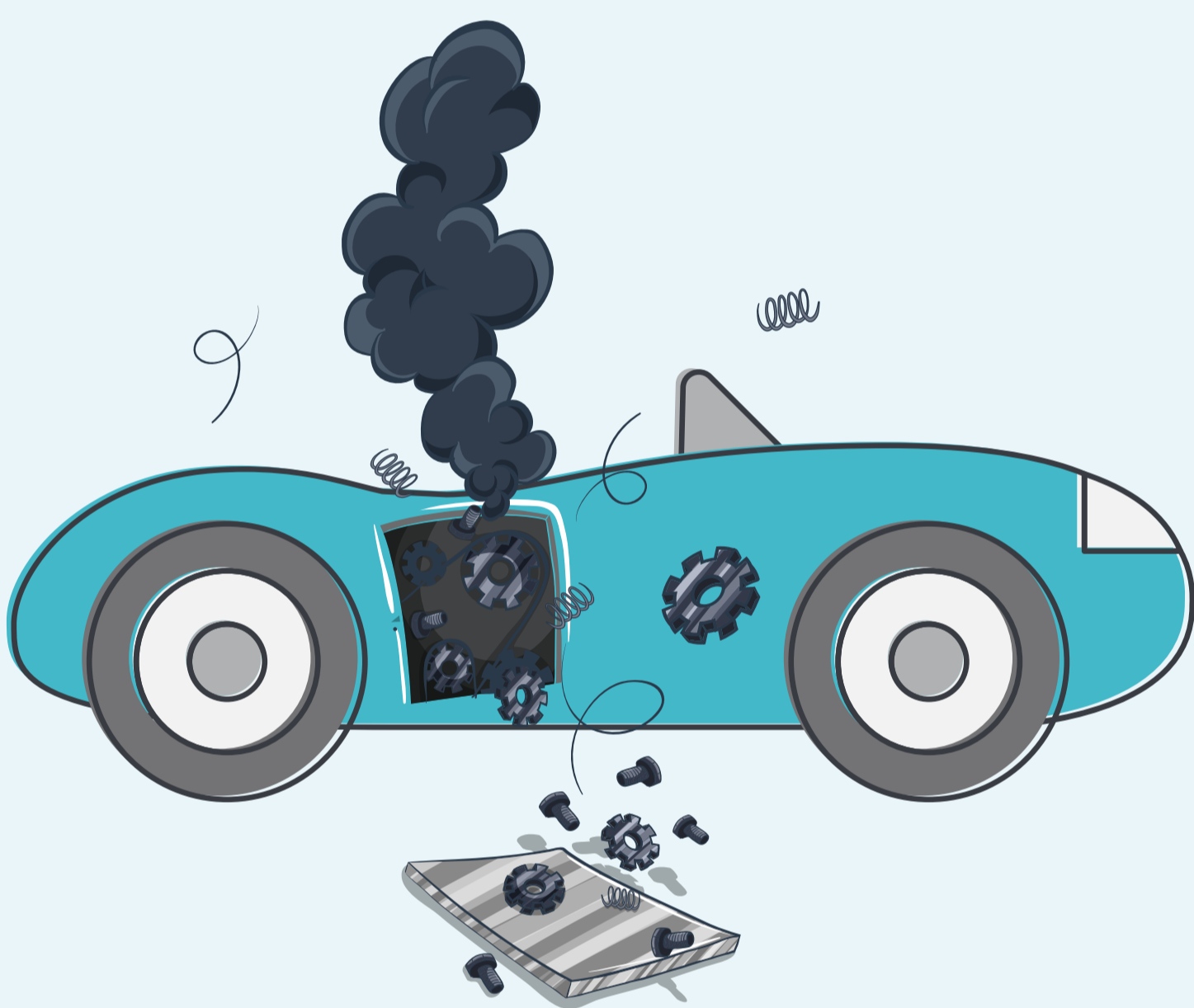
IT leaders identified data sprawl as one of the critical problems to address today¹

43%

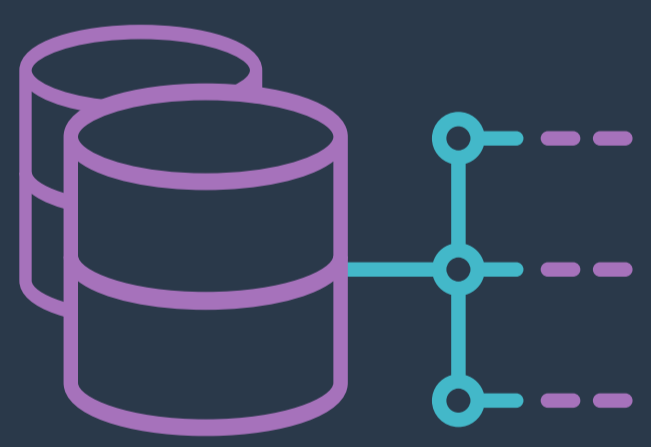
Data goes largely unleveraged by organizations²

24%

Respondents said that they thought their organization was data-driven this past year³



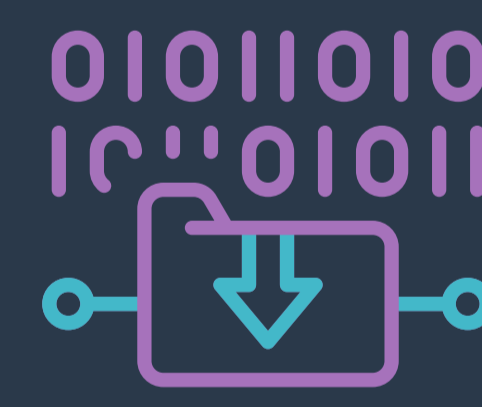
Top recommendations for your cloud data architecture



Break the dependency on traditional data warehouse architectures



Minimize data copies



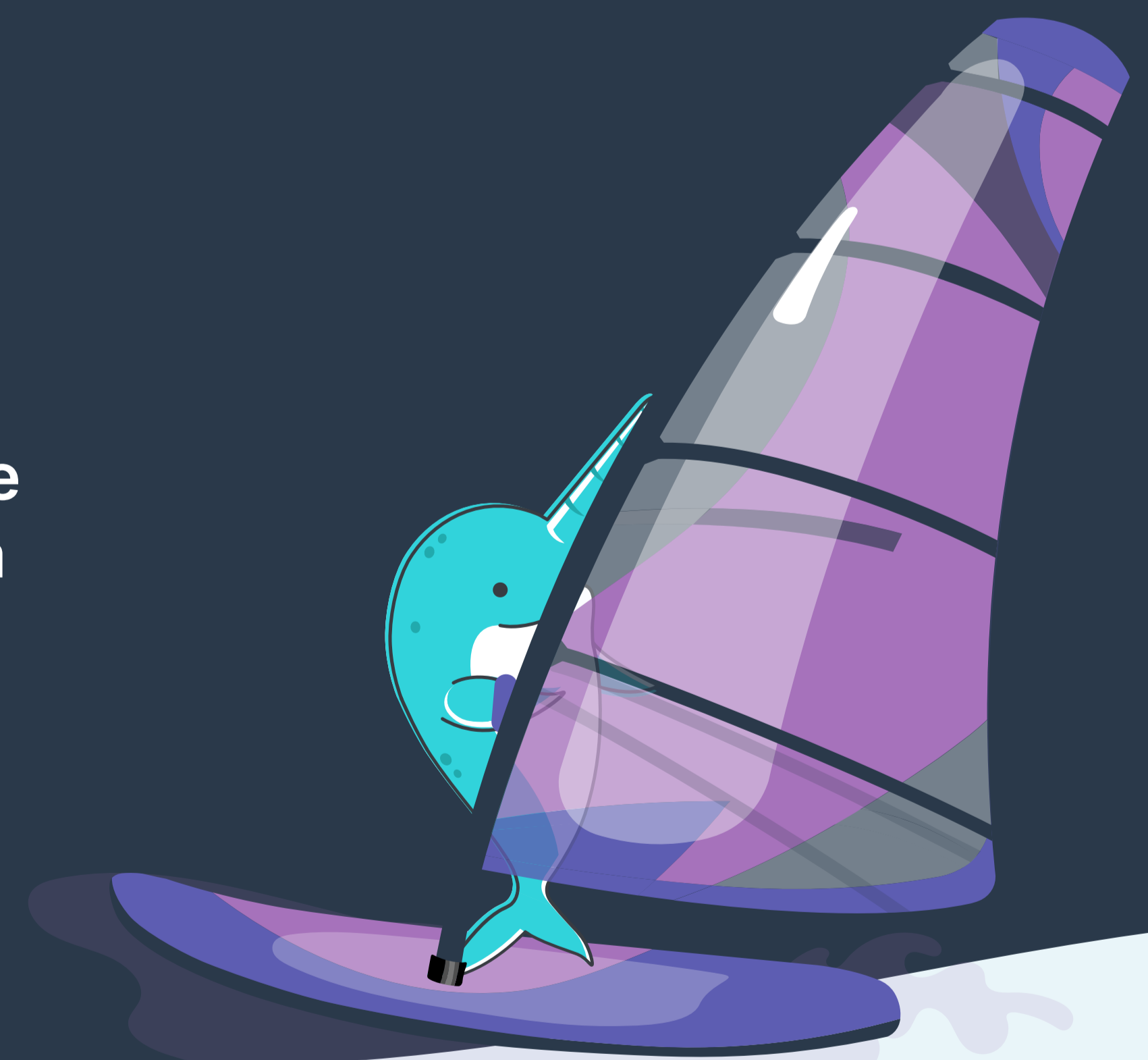
Separate data from compute



Accelerate time to value using a query engine



Support self-service through the use of a semantic layer



To learn more about the next-gen data architecture, read this [TDWI checklist report](#).