

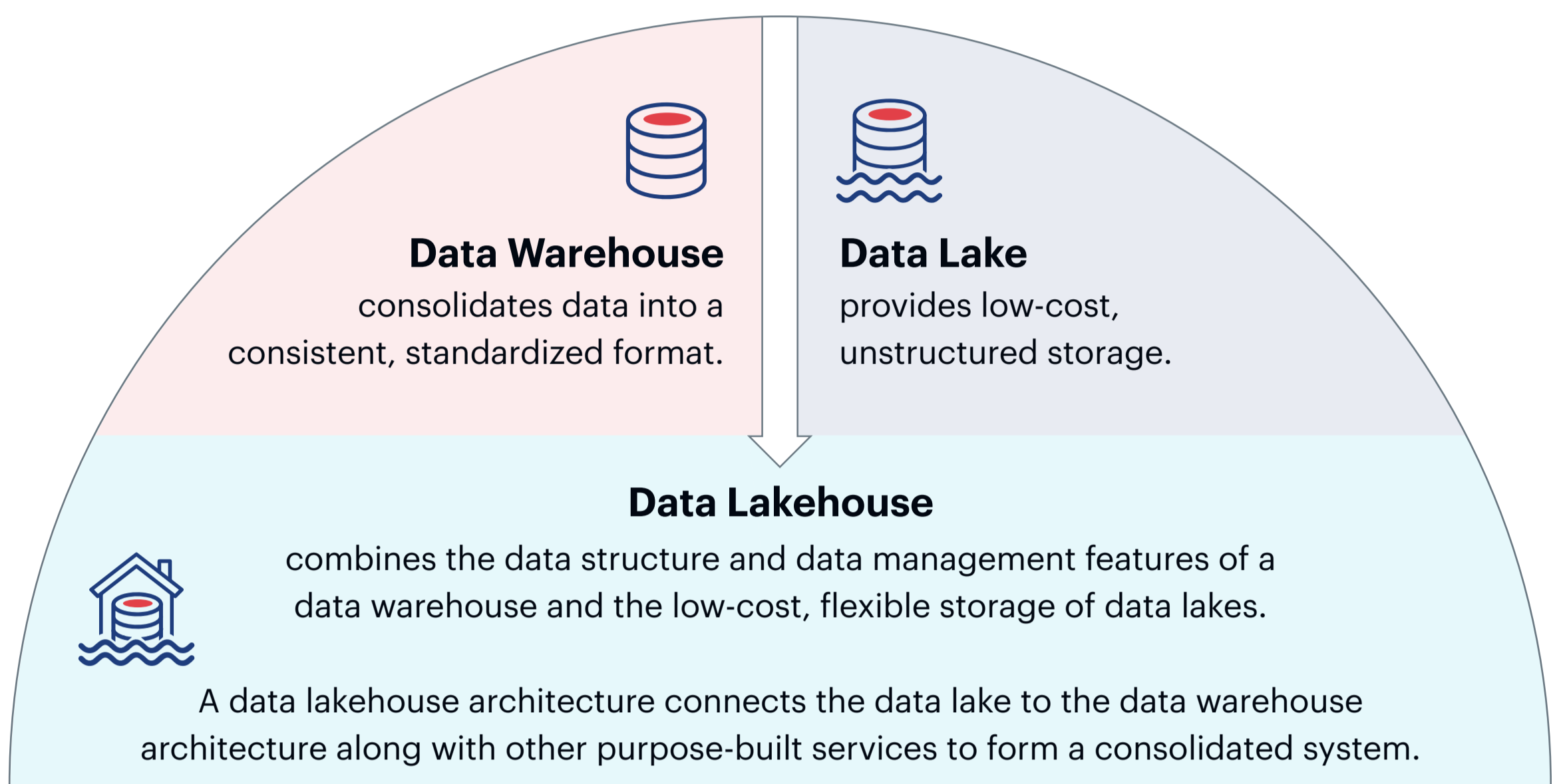
# Data Lakehouse: Combining the best of data lake and data warehouse

Over **50%**

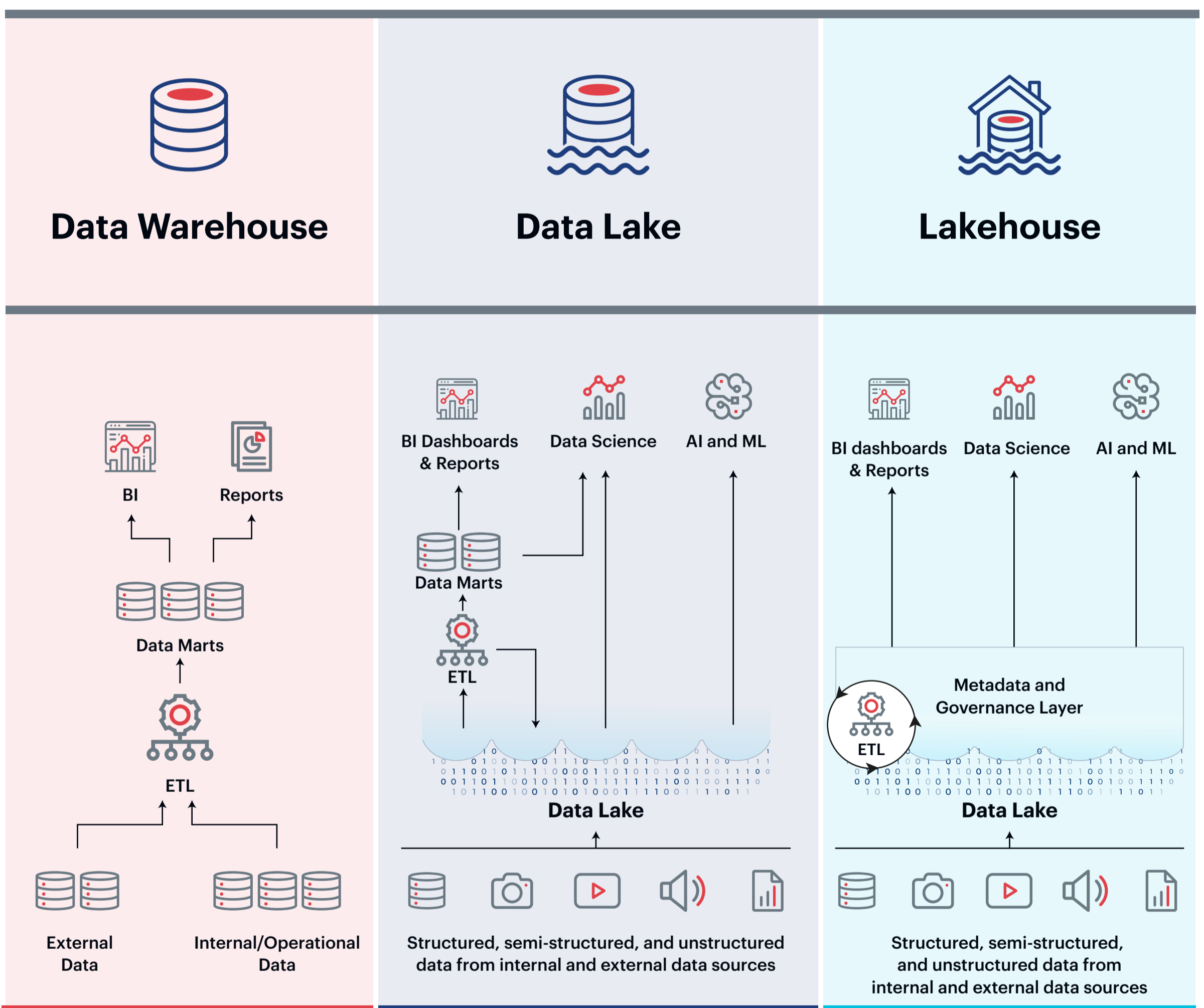
Over 50% of organizations use data warehouses and data lakes

Source: Databricks

However, there are issues such as constantly changing datasets, vendor lock-in and advanced analytics limitations.



## Comparison of architecture



Source: Adapted from *The Modern Cloud Data Platform Rise of the Lakehouse* by Alice LaPlante

## Data lakehouse can offer benefits such as:

Cost-effective data storage	Simplified schema	Better compliance	Data quality delivered through simplified schema	Reduced data redundancy
High scalability	Seamless data governance and data security	Efficient administration	Faster interactive query coupled with data democratization	Reduction of data drift