

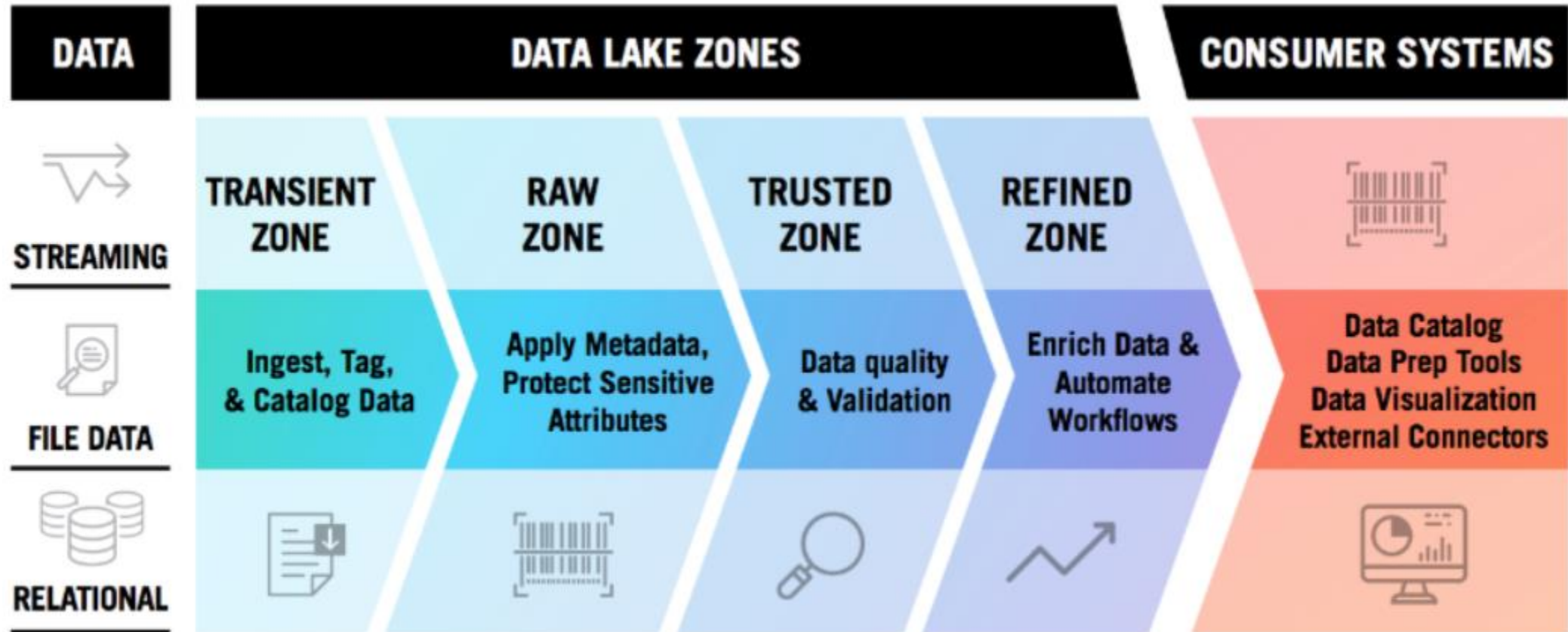
Data Governance

- Ensure high data quality throughout complete lifecycle of data
- key focus areas of data governance include availability, usability, consistency, data integrity and data security
- Data governance encompasses people, processes and information technology
- Data governance tools are deployed to implement data governance

Data Source and Processing

- Data could be stored in data lake, traditional data warehouse, or just in NoSQL and/or relational database
- Data is processed by applications, but the governance tool governs the data when it is processed

Data Lake



Data Governance Implementation

- Different zones or stages reflect different states of data
- Underlying database may be same or different
- Governance features in each zone are supported by governance tool and/or underlying database structure.
- SQL, especially triggers and functions, is used to build governance tool on database side

Additional Information

<https://blogs.sas.com/content/datamanagement/2018/03/27/data-lake-governance/>

<https://searchdatamanagement.techtarget.com/feature/Building-a-data-lake-takes-meticulous-planning-and-flexibility>

<https://www.gartner.com/doc/reprints?id=1-4RVOBDE&ct=180226&st=sb>