Data architecture

Definition

Data architecture is the blueprint that defines how data is managed (stored, organized, integrated, and accessed) within an organization.

DMBOK2

Data architecture is identifying the data needs of the enterprise (regardless of structure), and designing and maintaining the master blueprints to meet those needs.

Note

Other definitions of data architecture:

- The blueprint for managing data assets by aligning with organizational strategy.
- The description of the structure of an organization’s logical and physical data assets and data management resources.
- A framework for managing data.

Purpose

The purpose of data architecture is to establish strategic data requirements and designs to meet those requirements.

Relation

Data architecture	is child of	blueprint
Data architecture	is an element of a	data utilization management system
Data architecture	is an element of a	data quality management system

Lifecycle

- Design data architecture
- Review data architecture
- Establish data architecture
- Communicate data architecture
- Implement data architecture
- Evaluate data architecture
- Adapt data architecture

Characteristics

- Accessibility
- Clarity
- Feasability

Reference

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All, DQMS, DUMS, DMBoK2

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