

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 value 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](#), [DMBoK2](#)

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