

# 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	<a href="#">blueprint</a>
Data architecture	is an element of a	<a href="#">data value management system</a>
Data architecture	is an element of a	<a href="#">data quality management system</a>

## 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
- Faisability

## Reference

- What is data architecture? A framework for managing data | CIO. CIO | The voice of IT leadership. (n.d.). Retrieved March 11, 2023. [Internet page](#)
- Data architectuur. Werkgroep Maturity van DAMA-NL. [Two pager](#)
- Gandi, Manisha (2023). Data Architecture as Foundation of Digital Transformation/ [LinkedIn](#)

[All](#), [DQMS](#)

From:  
<https://datamanagement.wiki/> - **Data Management Wiki**

Permanent link:  
[https://datamanagement.wiki/data\\_quality\\_management\\_system/data\\_architecture?rev=1697817169](https://datamanagement.wiki/data_quality_management_system/data_architecture?rev=1697817169)

Last update: **2024/03/08 13:33**

