

How-to Plan Data (Data Architecture)



Course Duration	3 consecutive days
Format	Lecture, Quizzes, Practical exercises, Group Discussion, Use-cases
Classroom Materials	Course notes, Practice Quizzes, Templates
Delivery	CDMP® Master Certified Trainer
Class Size	8 to 20 participants



DataArchitecture

How-to Plan Data is a practical course of all the **Data Architecture** aspects contained in the DMBOK Version 2 Revised Edition in detail, providing techniques for all the activities and templates for all the deliverables and in some cases the inputs. **Data Architecture** is defined as identifying the data needs of the enterprise (regardless of structure) and designing and maintaining the master blueprints to meet those needs. It includes using master blueprints to guide data integration, control data assets, and align data investments with business strategy.

Learning Objectives & Outcomes Mapping (Bloom's Taxonomy)

At the end of the course participants will be able to:

Course Objective	Bloom's Taxonomy Level	Explanation
Understand details and elements of the Data Architecture knowledge area	Remember / Understand	Describe, Explain
Apply knowledge area rules, concepts and activities	Apply	Use, Implement
Analyse own Data Architecture practice definition (Define, Operationalise and Assure)	Analyse	Examine, Break down
Evaluate a data management establishment	Evaluate	Judge, Assess

COURSE OUTLINE

Day 1: Foundations

Introduction & Pre-assessment
Drivers, Goals & Principles
Essential Concepts of Data Architecture
Assignments & Recap
Context Diagram
Techniques & Tools
Implementation & Governance

Day 2: Design & Review

Recap
Design Review
Implementation Roadmap
Subject Area Modelling
Data Model Scorecard
Data Flow Design
To-Be Architecture

Day 3: Lineage & Value

Recap
Data Lineage
Requirements & Scoping
Data-Value Chain
Data-as-a-Service
Post-Assessment

Case Study Integration (Optional)

Design Review
DA Maturity Assessment
Enterprise Data Model
Data Flow & Value Chain
Implementation Roadmap

The benefits of attending the Data Architecture Course are:

- Stay Compliant – Learn how to design Data Architecture that meets business and regulatory requirements.
- Make Better Decisions – Understand how structured data systems support accurate and timely insights.
- Clarify Roles – Define responsibilities for managing Data Architecture, improving collaboration across teams.
- Promote Scalable Design – Build skills to support flexible, future-ready data environments that grow with your organization

Who should attend?

- Data Architects
- Any Data Professional involved in strategic planning for enterprise data
- Data Engineers
- Data Modellers