

Data Architecture Essentials



Data and Information Architecture

Explained

This course in Data Architecture Essentials is to help position you and your colleagues for success in unlocking the value in your organisation's information and data assets and, at the same time, address the accumulated issues from the past that are holding you back. The course delivers key insights, methods, tools and techniques to powerfully leverage data and shift an organisation from a fragile state to an agile state.

This course begins by developing an understanding of some of the root causes of current issues organisations have with data and then offers a framework for Integrated Enterprise Architecture as a component for sustainable positive change. We focus primarily on business data, which is 'what the business deals with'.

In the course we demystify the acronyms, terms, and buzz words, followed by an overview of Data and Information Architecture that is the foundation for effective Data Governance and management of data, the minimisation of data related risks, Data Quality Management and good data design.

Attendees will gain a basic understanding of what a data model is and how it is used in both a business and technical sense in value delivery, cost minimisation and business design. In extending this you will see how data models are applied for system integration, data extraction and information delivery.

In Data Quality Management you will understand the Data Governance framework with roles and processes. Governance is guided by the principles we establish in the Data and Information Reference Architectures. We also introduce the concept of a Combined Team of Business and IT Specialists that work collaboratively to deliver your Roadmap and address data issues. Our tools and techniques for quality management are based on the well proven approaches of Kaizen including 5S and Waste Elimination that have been universally applied across industry with great success.



Expected Learning Outcomes

New Skills to Take Away

At the conclusion of the course, participants will be able to:

- Understand the role and value of data, information and knowledge in an organisation
- Understand the role of data and information for insight
- Understand the industry of data
- Understand data risks, security, privacy concepts and regulations
- Understand and managing your data
- Understand data models and how to create them
- Understand the elements of data governance and the steps required to implement it
- Understand the link between business and data design
- Use a shared view of the business for business data design
- Understand and implementation of Data Quality Management



Course Details

Data Architecture Essentials

Duration:	2 days
Dates:	TBA
Time:	Contact us for details
Location:	Suite 1103, 147 Pirie St Adelaide, SA 5000
Cost:	\$2000 ex. GST p/p



Contact Information

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Please note: Whilst every effort will be made to conduct the course as advertised, Fragile to Agile reserves the right to cancel or reschedule at its discretion.

Course Schedule

Overview

The Data Architecture Essentials training course delivers an interactive and dynamic learning experience by combining theory, practicals and working examples of enterprise architecture concepts and techniques.

The course content will also include thought provoking discussions based on actual applications of data and information architecture insight in an organisation and how they support business initiatives.



Day 1

Topics

- Industry Terminology
- Business Modelling Basics
- Common Data Model in Business (Practical)
- Business Information Design
- Shared View of Business
- Reflection and Discussion of Day's Topics



Day 2

Topics

- Team of Specialists
- Implementing Data Management
- Data Quality Management
- Data Quality Management (Practical)
- Reflection and Discussion of Day's Topics



Inclusions

Provided With The Course

- Comprehensive Course Notes
- Lunch
- Morning and Afternoon Tea and Refreshments

Please contact us if you have any special dietary requirements.

Award-winning Architecture



Agility Delivered by Design

Course Facilitator

Rob Malcolm

Rob Malcolm is Fragile to Agile's Senior Data Architect and is an accredited trainer specialising in key aspects of Business and IT Fusion, Data Quality Management, innovation, business change and scenario planning.

Rob has extensive professional experience working closely with businesses in the areas of innovation, data and information management, continuous improvement, business analysis, project management, and strategic planning.

Rob has led a full review of F2A's Data and Information Architecture with input from world leaders in Data Lake architecture and use. In this course offering we pursue the notion of facilitated collaboration between business and technology staff to deliver on organisational information outcomes and to break down the siloes.

