1.Introduction	1
STEP 1. Design the Enterprise Data Model	2
STEP 2. Design the Entity-Relationship Diagram	3
STEP 3. Define the Lifecycle of Containers and Customers	3
STEP 4. Simplified Data Platform and Web Services	4
STEP 5. A Detailed Data Platform and Web Services	5
STEP 6. Review the Data Warehouse Design	6
STEP 7. Review the Road Map for Best Practice	7
STEP 8. Carry out a Self-Assessment	8
STEP 9. Plan a Strategy	8

Barry Williams

Principal Consultant barryw@DatabaseAnswers.org

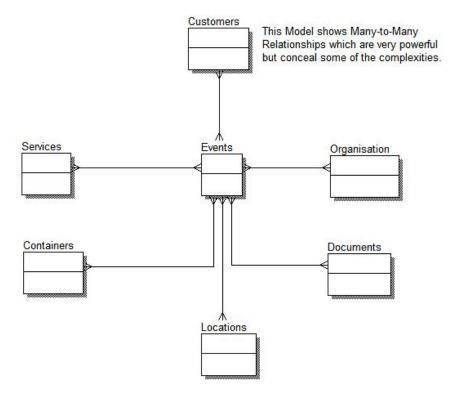
1.Introduction

This Paper describes an approach to Enterprise Data Management.

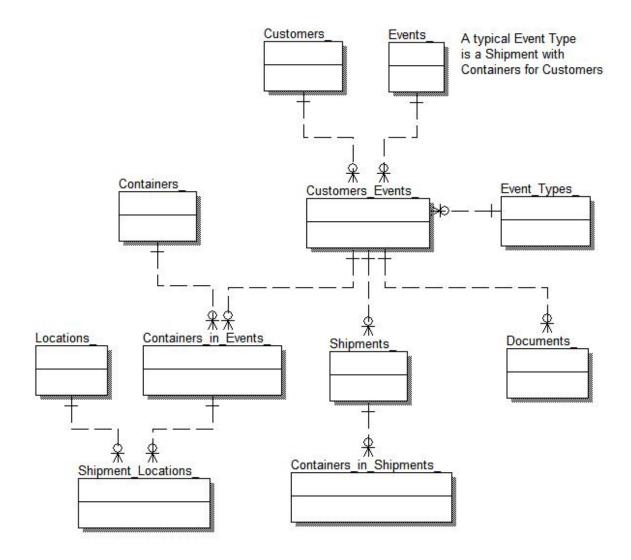
Steps 1 to 3 discuss Data Modelling and in particular, the creation of an Enterprise Data Management ('EDM') which is designed specifically to make it easy to populate a Data Warehouse and provide 'A Single Version of the Truth'.

Steps 4 to 8 are concerned with the environment within which the Data Model and Data Warehouse combine to meet the goals of the organisation.

STEP 1. Design the Enterprise Data Model



STEP 2. Design the Entity-Relationship Diagram



STEP 3. Define the Lifecycle of Containers and Customers

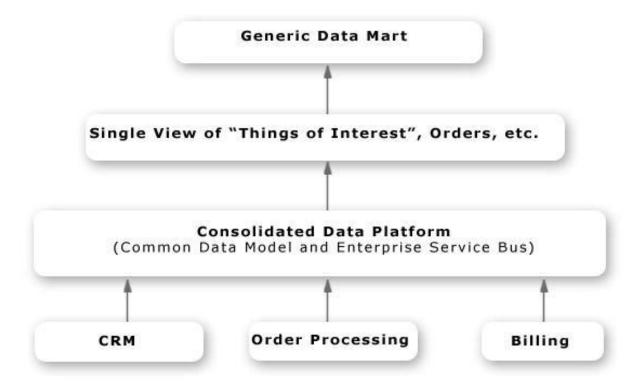
This table shows the Stages in the Lifecycle of Containers and Customers.

For each Stage, a Subject Area Data Model can be created to show the details involved.

Plan	Buy Containers	Use "Container Shipments"			Dispose of Containers	Analyse
			Customer			
		Booking	Tracking	Documentation Services		

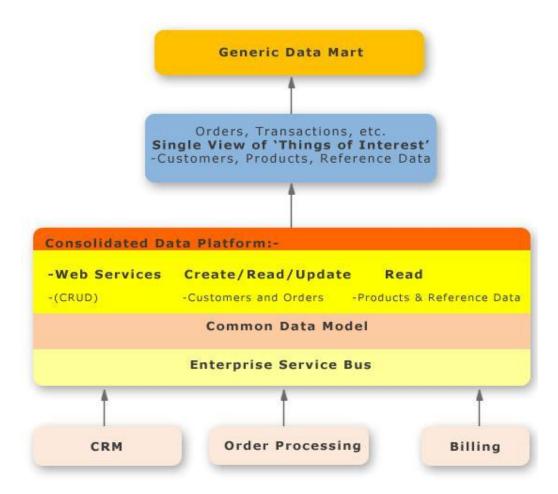
STEP 4. Simplified Data Platform and Web Services

This table shows the Layers in a simplified Data Platform.



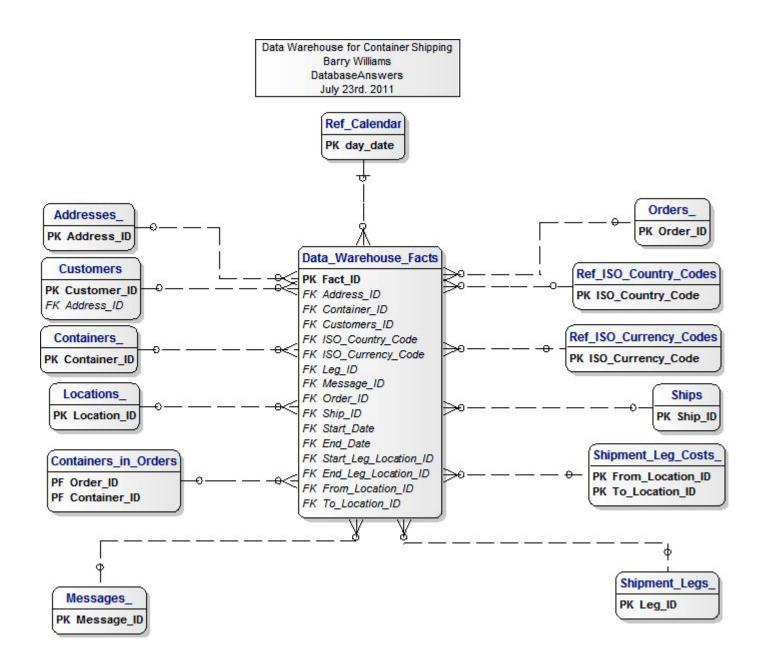
STEP 5. A Detailed Data Platform and Web Services

This table shows the Layers in a detailed Data Platform.



STEP 6. Review the Data Warehouse Design

This shows the starting-point..



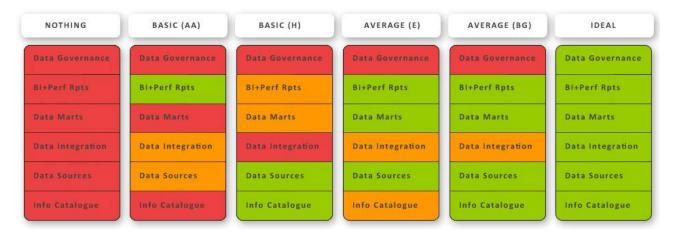
STEP 7. Review the Road Map for Best Practice

This shows Stages and related Business Questions.

Stages Comment **Business Questions** Roles, Responsibilities How can the CEO be sure that data Data and Compliance in the Reports is consistent, correct Governance Are the Key Performance Indicators **Use Report Templates** (KPIs) appropriate? Performance and Ad-Hoc Enquiries Reports A Generic Design to What data summaries are required provide totals for Reports for strategic Reports? Data Marts Review Data Quality and Is there a Single Version of the Truth Data MDM for Customers etc. ? Integration Details of all major How many different sources of data Data Sources have to be considered? Systems What Information is available about A Repository of all Information Systems, Data Owners and so on? Databases, Applications, Catalogue People, etc.

STEP 8. Carry out a Self-Assessment

This diagram can be used to assess the Stage that an Enterprise is situated in Data Management.



STEP 9. Plan a Strategy

This diagram can be used to plan a Strategy

