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ANSA Reference Manual

Part M, C: The Meta-Architecture Examples and DIY guide

Abstract:

This is Chapter C of Part M of the ANSA Reference Manual.

There are four chapters [A - E] which cover the basics of the ANSA Meta-Architecture. These document the Meta-Architecture as developed by the author.

Chapter A	Introduction and overview
Chapter B	Definitions of concepts
Chapter C	Examples and DIY guide
Chapter D	Specifications
Chapter E	Slides and presentation material

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EDITORIAL HISTORY

Date	Version	Status	Comments
19/6/87	AO.106.00	Draft	Started by HJW as an archive of the work done on the Meta-Architecture, pending detailed resolution of many of the issues by the project.

PAGE CONTROL

Date	Version	Pages	Comments
19/6/87	AO.106.00	All	New start

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M, C EXAMPLES AND DIY GUIDE

C.1 Introduction

Editorial:Cf Chapter A

NB examples must be based on the ANSA version of the M-A, and framework etc.

On the whole this should be an English Language document, with maths to illustrate rather than dominate.

The message must be how applicable the M-A really is, to real world problems, and we do this by showing how different subsets of the M-A & A are applicable to different parts.

C.2 Guide to the documentation

The documentation of the Meta-Architecture consists of five chapters, Introduction and overview, Definitions of concepts, Examples and DIY guide, Specifications, and finally Slides and Presentation material.

The Introduction and overview (Part M, §A, AO.104) covers the background, justification, people, and generic concepts and techniques that form the foundations of the Meta-Architecture, while the Definitions of concepts chapter (Part M, §B, AO.105) describes each of the key concepts in detail, taking them in an order which approximates to a progression from the most general to the most specific.

The Examples and DIY guide (this chapter) provides illustrative examples and guidance concerning the application of the Meta-Architecture, to assist in comprehension by System Architects. The Specifications chapter (Part M, §D, AO.107) provides (more or less) formal specifications of the top level concepts and framework of the Meta-Architecture, while the Slides and presentation material chapter (Part M, §E, AO.108) contains the artwork and scripts of the various Meta-Architecture presentations.

The first two chapters should provide sufficient material for most readers, the remaining three chapters being of interest to those applying or presenting the Meta-Architecture to a wider audience.

C.X Purpose of the examples

Editorial:To show what these examples are trying to do, who for, notation used - ref to Chapter D

C.X Notation

Editorial:Forward reference to Chapter D.?

C.X The common framework

Editorial: This is about the common framework for the examples, strictly // the ANSA one, any differences should be fed to Owen.

C.X The OSI 7 layer model

Editorial: Express the OSI model as a M-A conforming architecture. Useful for rules and layers, also mgt

C.X Operating systems

Editorial: Model operating systems view, with maybe DASE and use of the animation dim

C.X The human interface

Editorial: Is this a good example? It is certainly an area we wish to pull into the overall culture etc.

C.X Configuration and parts lists

Editorial: This example should show how these principles can be used to configure a system to support some required services, and how the configuration can be checked for consistency and adequate support ...

C.X

Editorial:

C.X

Editorial:

C.1 Section heading

C.1.1 Sub-section heading

C.1.1.1 Sub-sub-section heading if required

C.2 Section heading at top of page

Bullets are used for emphasizing lists of items. Bullets which are subordinate to a paragraph are indented one tab stop and the paragraph has property SAME PAGE AS NEXT PARAGRAPH on and only a 1½ line space after it. Otherwise the bullets begin at the left margin. Prioritized or referenced bullets should be numbered. Itemized bullets should be labelled in bold classic 12.

In ARM documents use:

- ▶ basic bullet [KBD][OFFICE][H]
 - exceptionally for nesting BOLD [KBD][OFFICE][-]
- ▶ Bullet paragraphs have left tabs set at 5, 10 and 15 spaces
- ▶ Each bullet is a separate paragraph, single line space before, one and a half line space after
- ▶ Where all bullets are one line, use single line spacing
- ▶ Last bullet has a double line space after

These layout conventions for bullets are illustrated above. For further details on ANSA document layout refer to: *Layout Conventions* (MG.17).

C.0 References

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