Enterprise Architecture as Inventory

A Practical Guide to Establishing an Enterprise Architecture

LonsdaleSystems.com

www.lonsdalesystems.com

Presenter: Phil Robinson

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Inventory

A detailed descriptive list of articles, with number, quantity and value of each.

Macquarie Dictionary

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Pythonesque

Absurdly or surreally comical in a way that is reminiscent of the 1970s British TV comedy show Monty Python's Flying Circus

MSN Encarta

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Enterprise Architecture the "Grand Plan"

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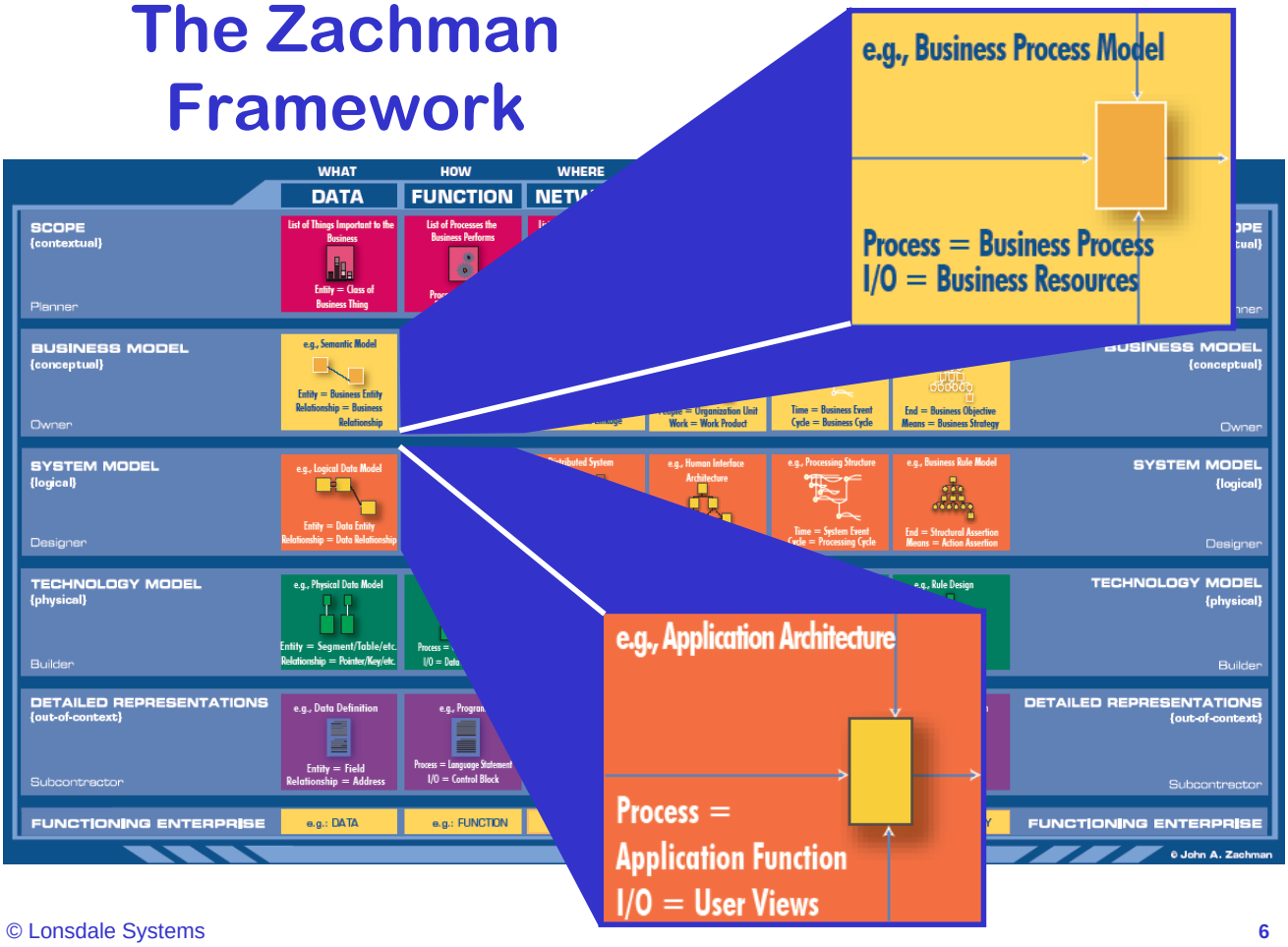
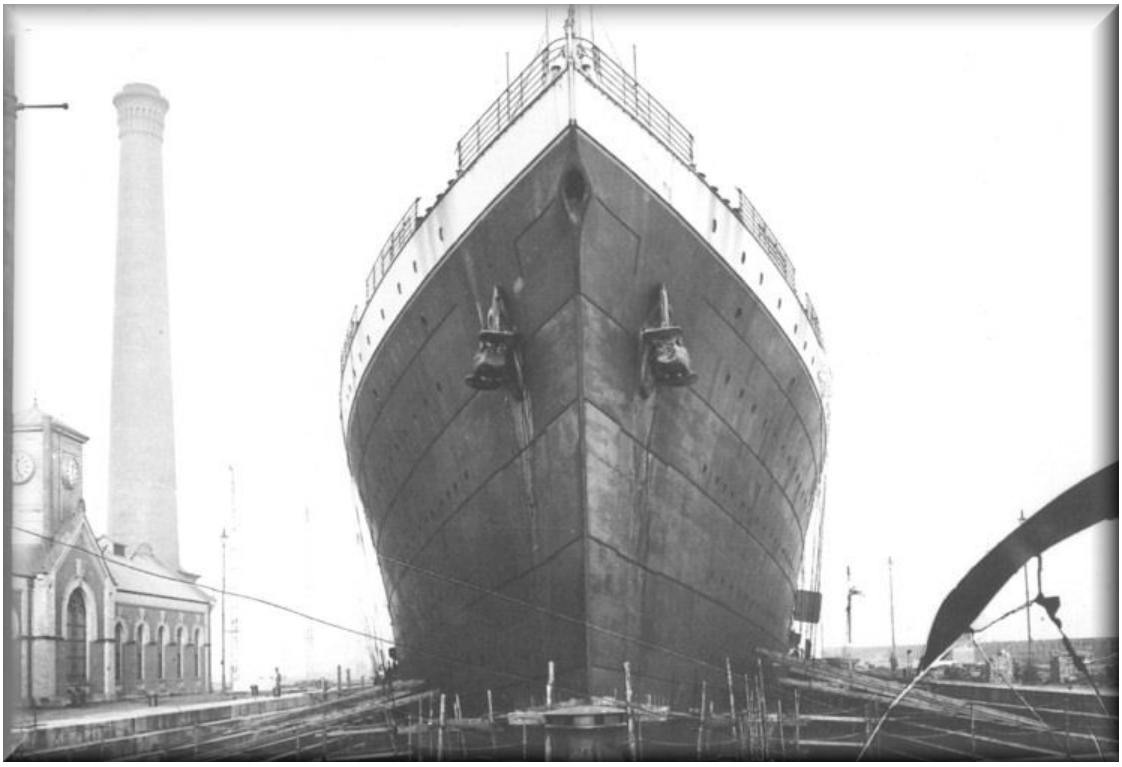
The Zachman Framework

	Data *What?*	Function *How?*	Network *Where?*	People *Who?*	Time *When?*	Motivation *Why?*
Scope *Planner*						
Business Model Owner						
System Model *Designer*						
Technology Model *Builder*						
Detailed Definition *Sub-Contractor*						
The Enterprise						

The Zachman Framework



Zachman is the "what" of enterprise architecture



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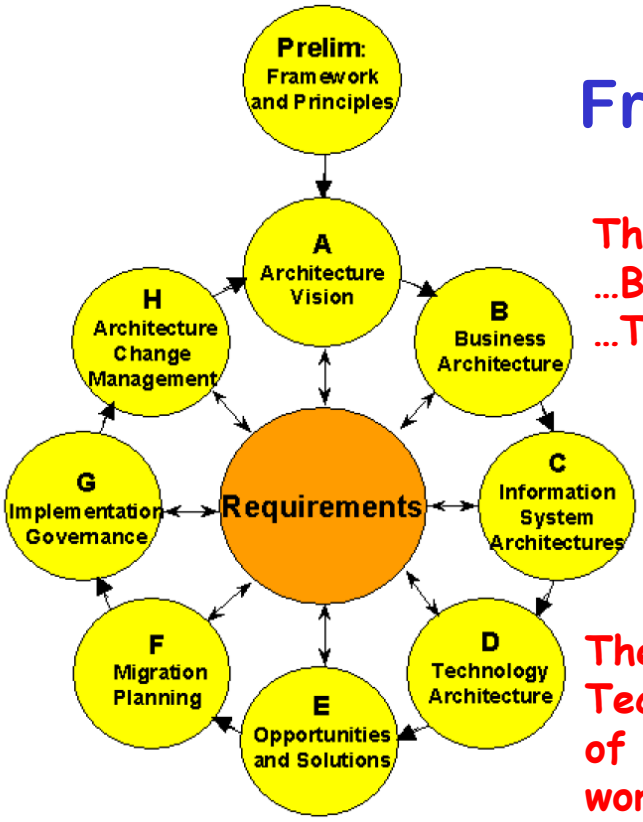
The Open Group Architecture Framework (TOGAF)



The objectives are…
…Baseline Business Architecture
…Target Business Architecture

The objective is to develop Target Architectures … Data and Application Systems…

The objective is to develop a Technology Architecture …basis of the following implementation work…

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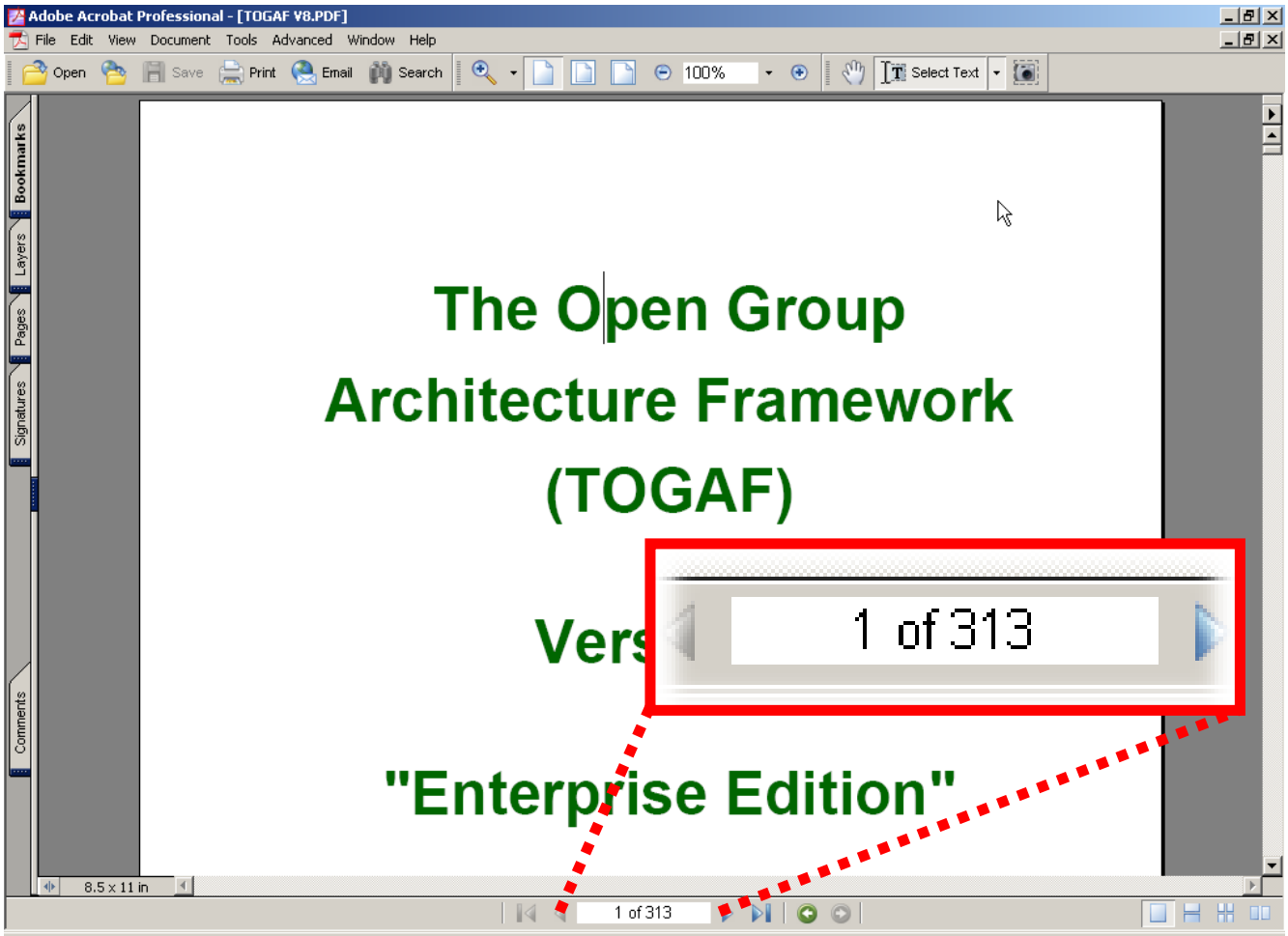
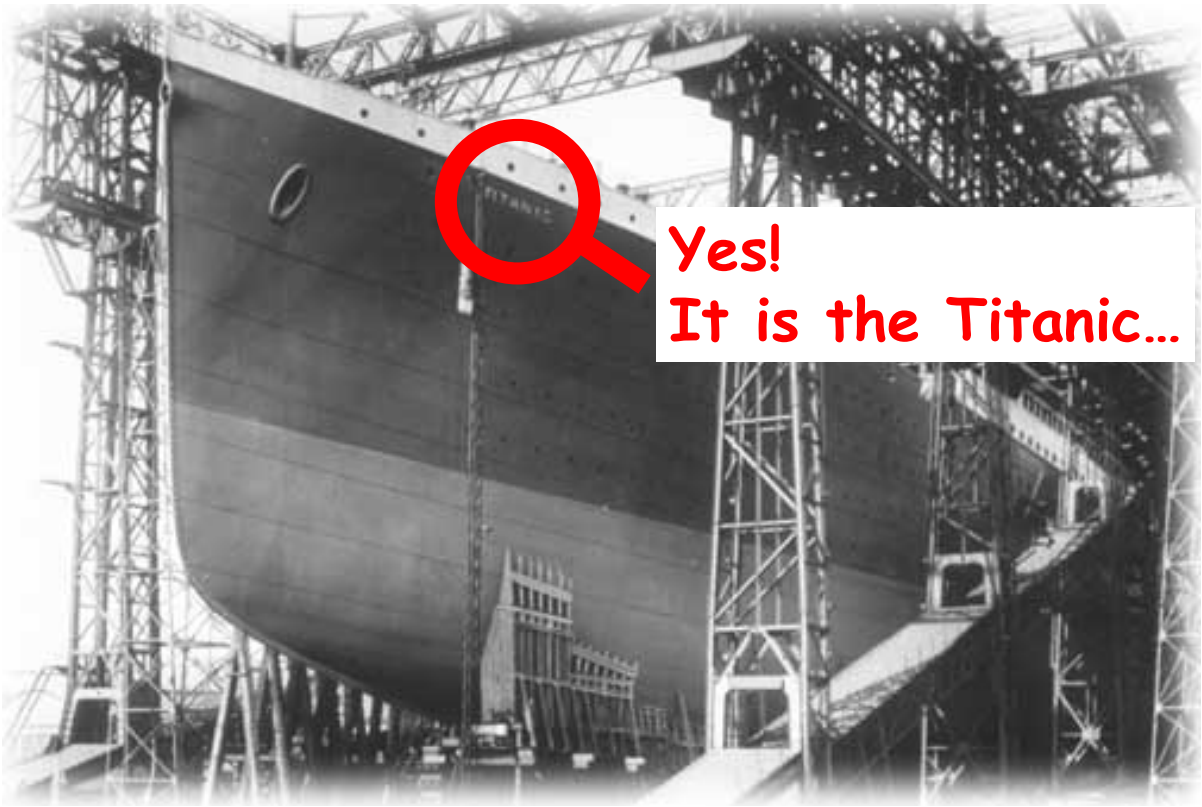


TOGAF is the "how" of enterprise architecture



I fink that talkin 'bout the UML makes me sound really, really intelligent…

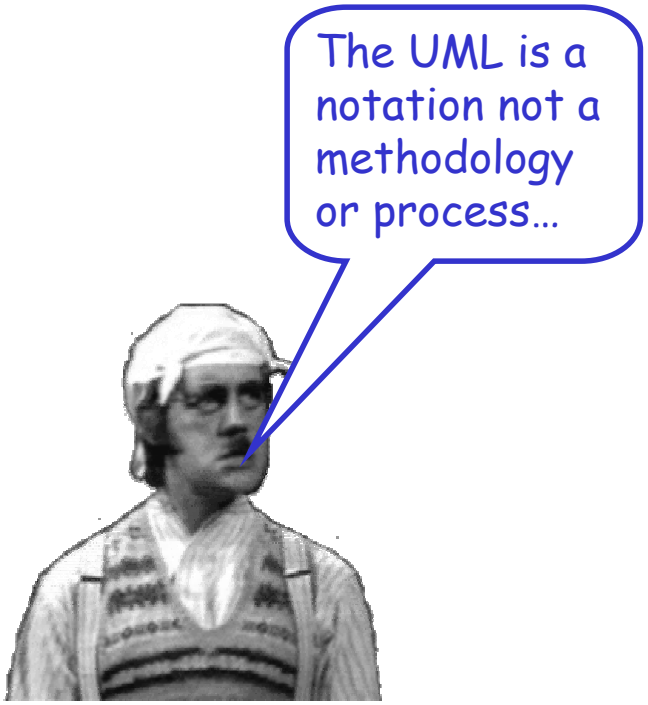
…ified Modelling Language (UML) the "Grand Plan"

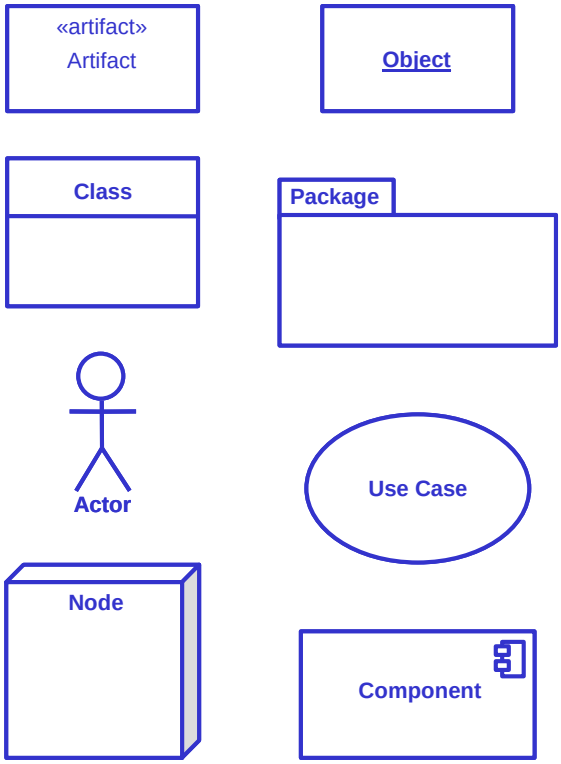
What is the UML?

OMG UML 2.0 Infrastructure Specification says…

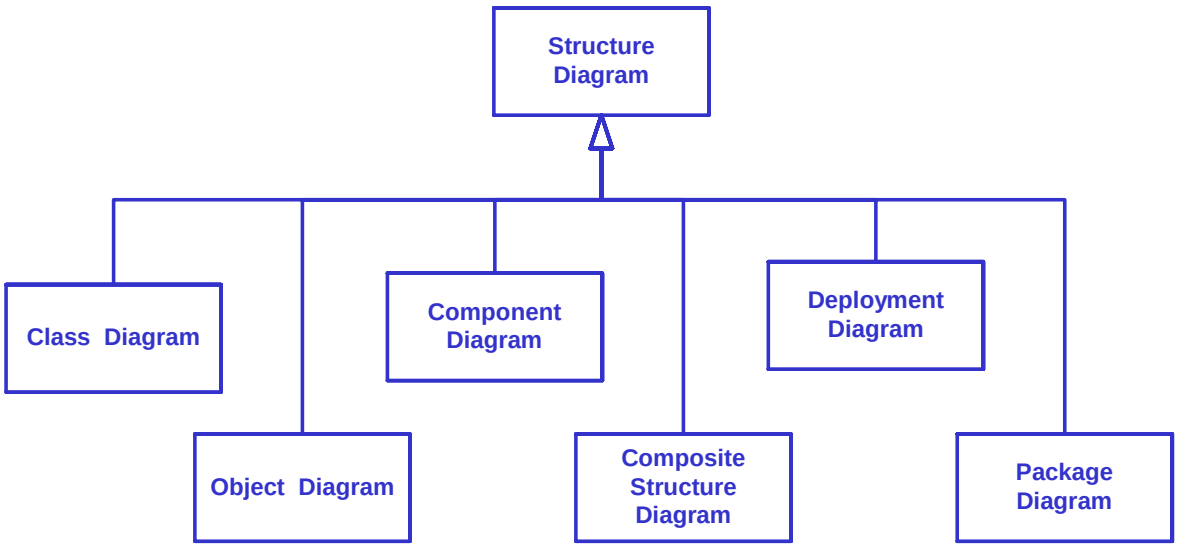
The UML is a visual language for specifying, constructing and documenting the artefacts of systems…

The Unified Modelling Language (UML)

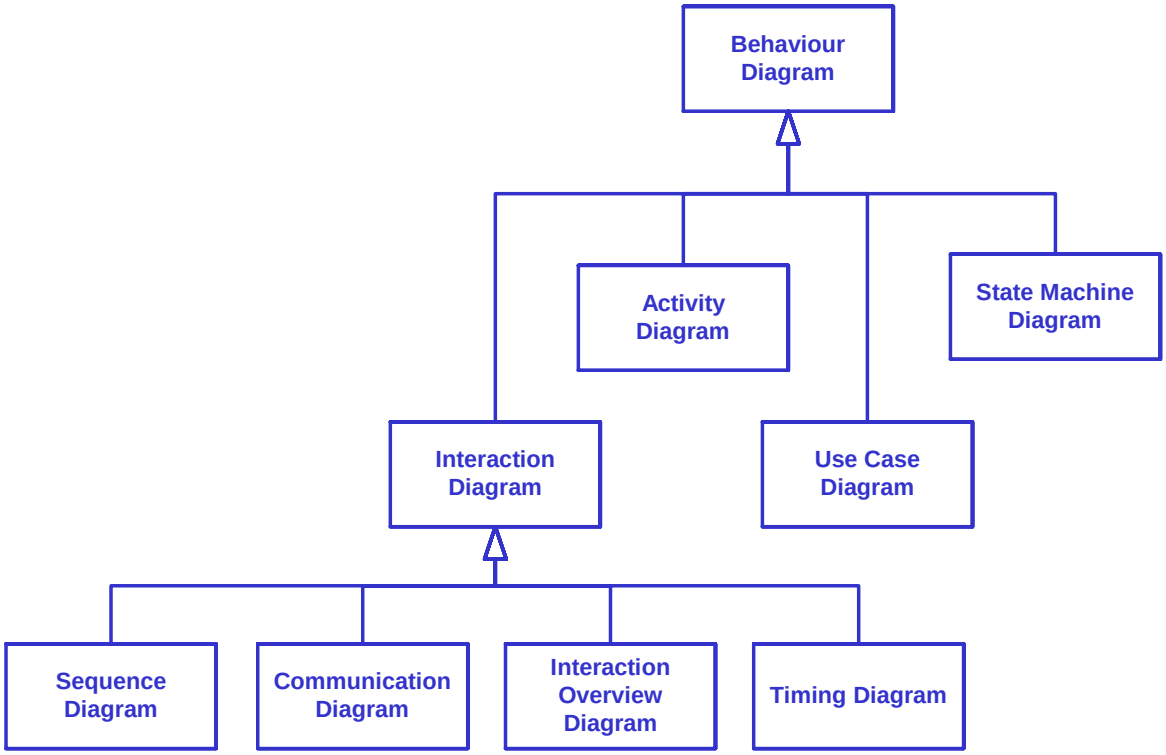




UML Diagrams



UML Diagrams



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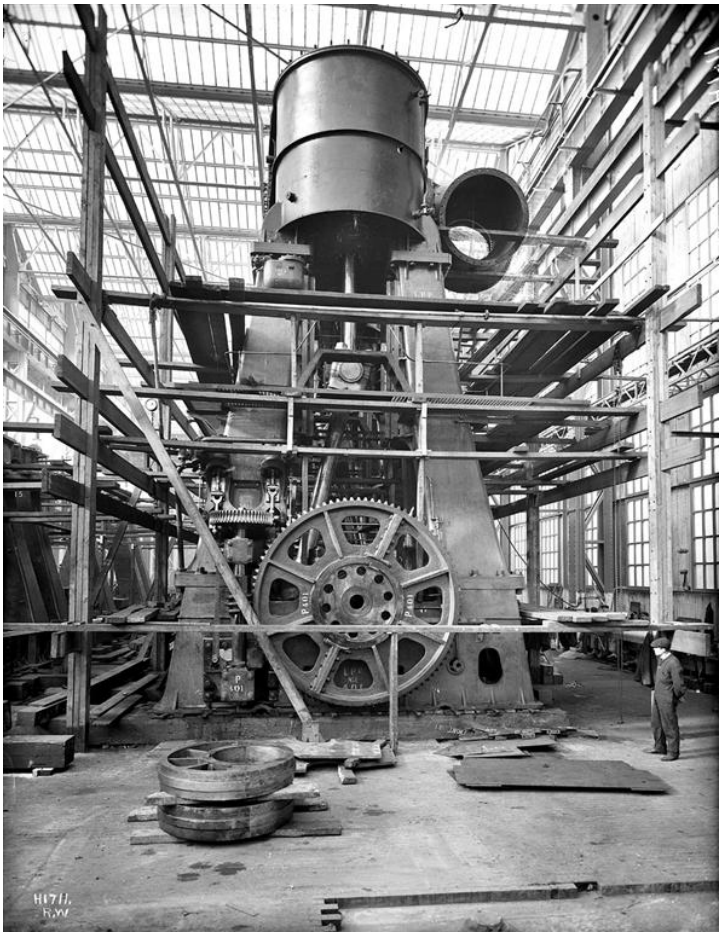
UML is the detailed "what" of enterprise architecture



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Repository Based Tools the "Grand Plan"

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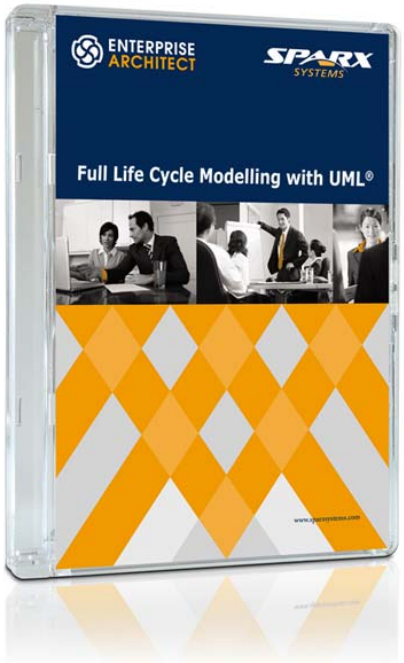
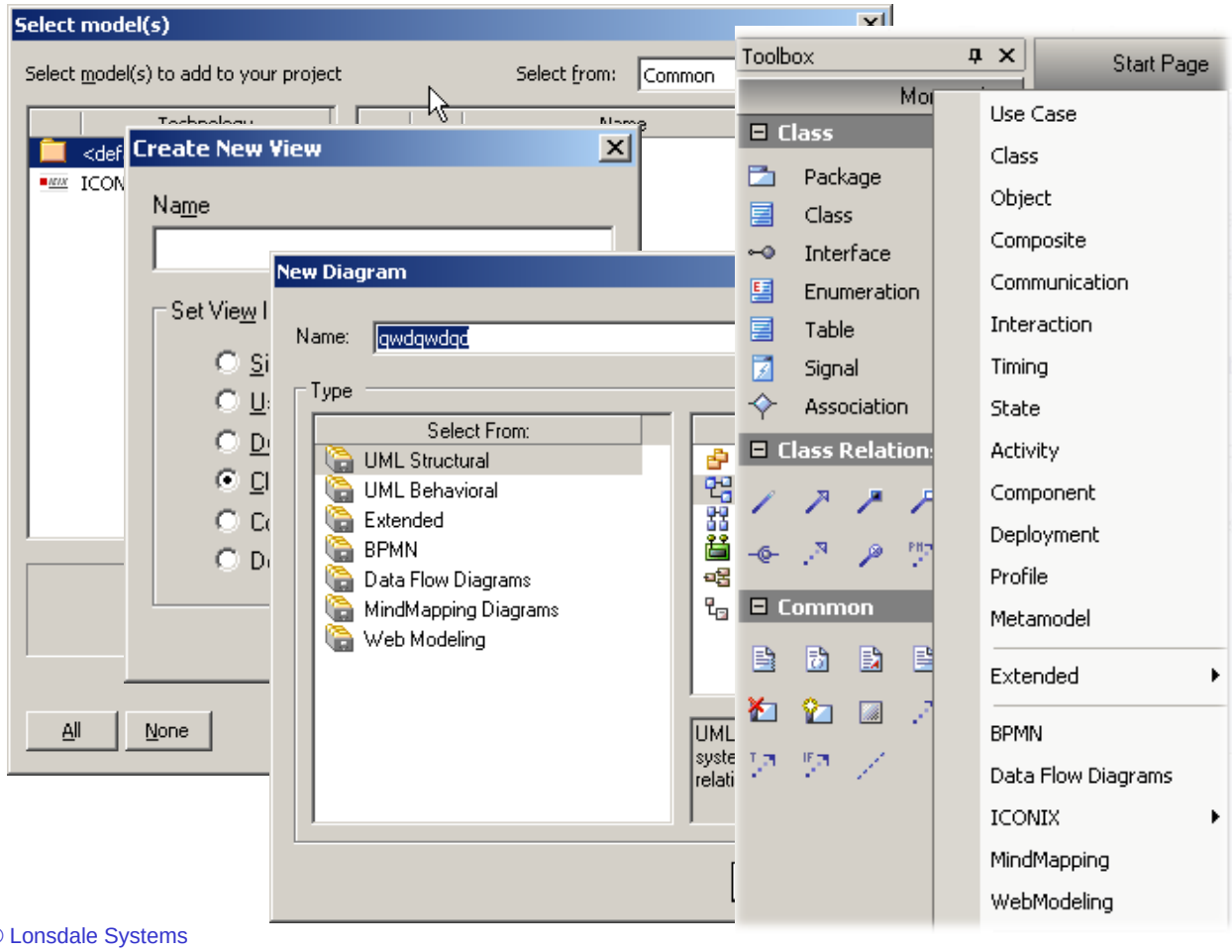
Enterprise Architect



- Repository-based UML modelling tool
- Full support for UML 2.1.1



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Repository based tools are… err the "tools" of enterprise architecture

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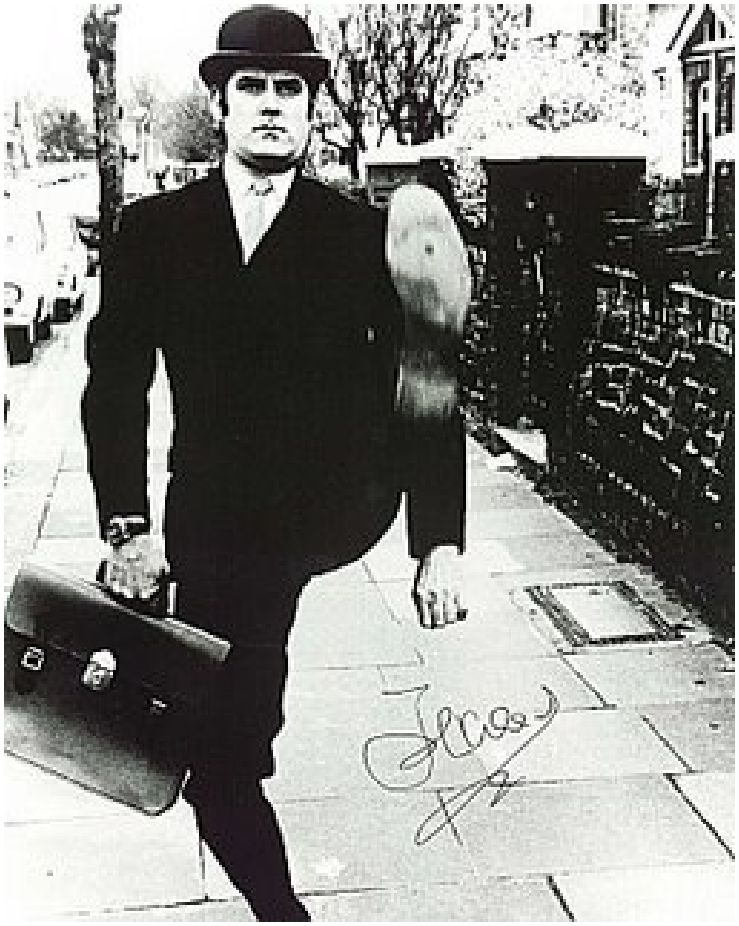
But now for something complexly different …



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Welcome to the “real world”…

- What have we got?
- What do we keep?
- What do we replace?
- What do we retire?

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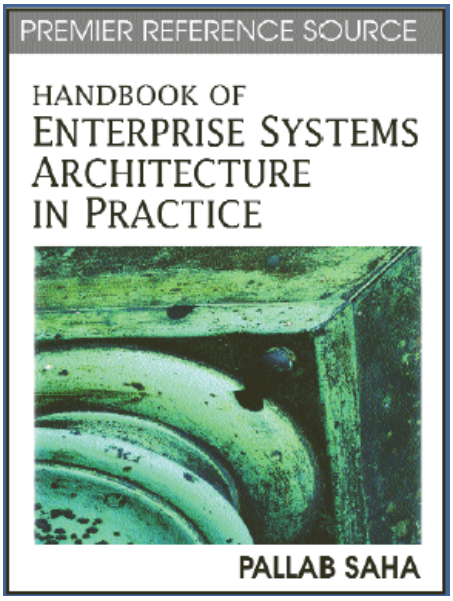
Oh! And where are the life boats?

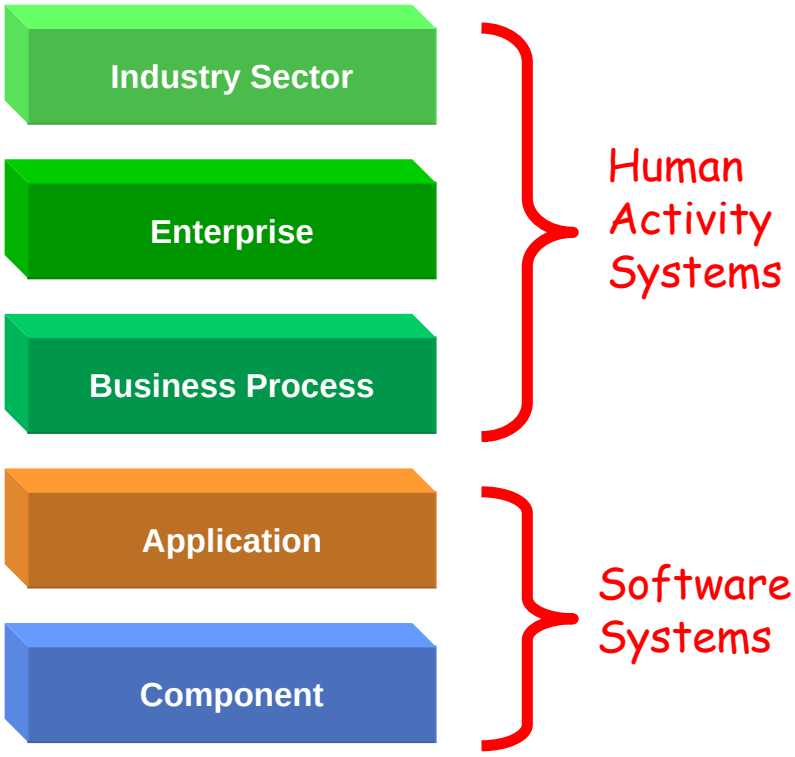
Extreme Architecture Framework: A minimalist framework for modern times

Phil Robinson and Floris Gout, *Enterprise System Architecture In Practice*, IDEA Group Inc.



www.extremearchitecture.org

Systems



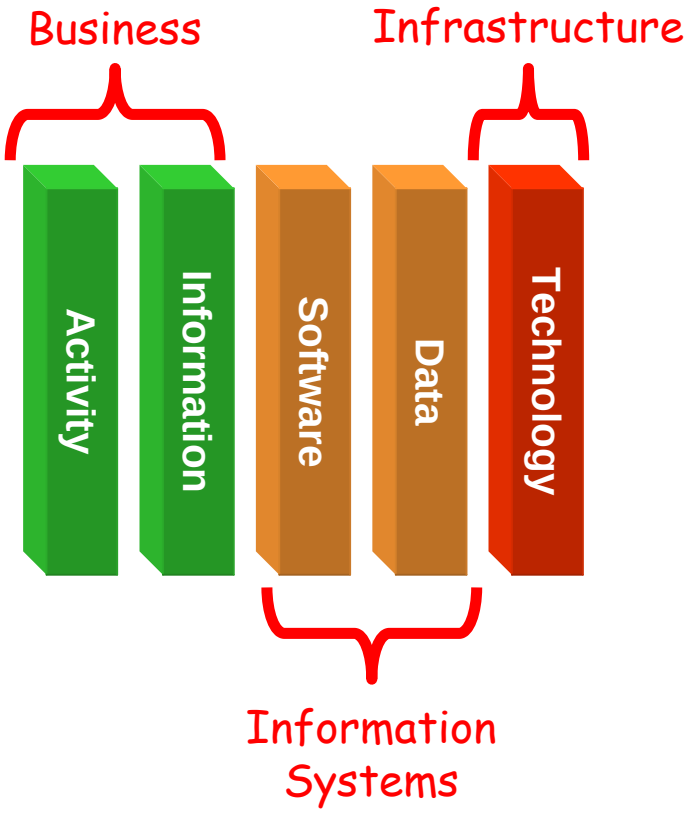
chman Roles

- y a boundary
- ering approach

I thought I was builder but it turns out I'm a sub-contractor...

- Systems can be decomposed into components
  - Object-oriented architecture
  - Component-based architecture
  - Service-oriented architecture

Views of an Enterprise



I keep six honest serving men…
Ooops! Forgot about "which"!
I keep seven honest serving men…
Bugger! It doesn't rhyme!

…ctural

…echanism

…SAF

– …1471-2000

for speakers of languages other than English (LOTE)

- For example some LOTEs have more interrogatives
- How much?
  - French – Combien?
  - Thai – Tourai?
  - Hindi – Kitna?
- By the way, what happened to "which"?

UML diagrams are based on abstract views…

This has several disadvantages…

1. People think the diagrams are a methodology or process
2. People draw diagrams because they are "in the UML" and therefore "must be needed"
3. People assume that the abstract views define all possible UML diagrams

Views vs. UML Diagrams

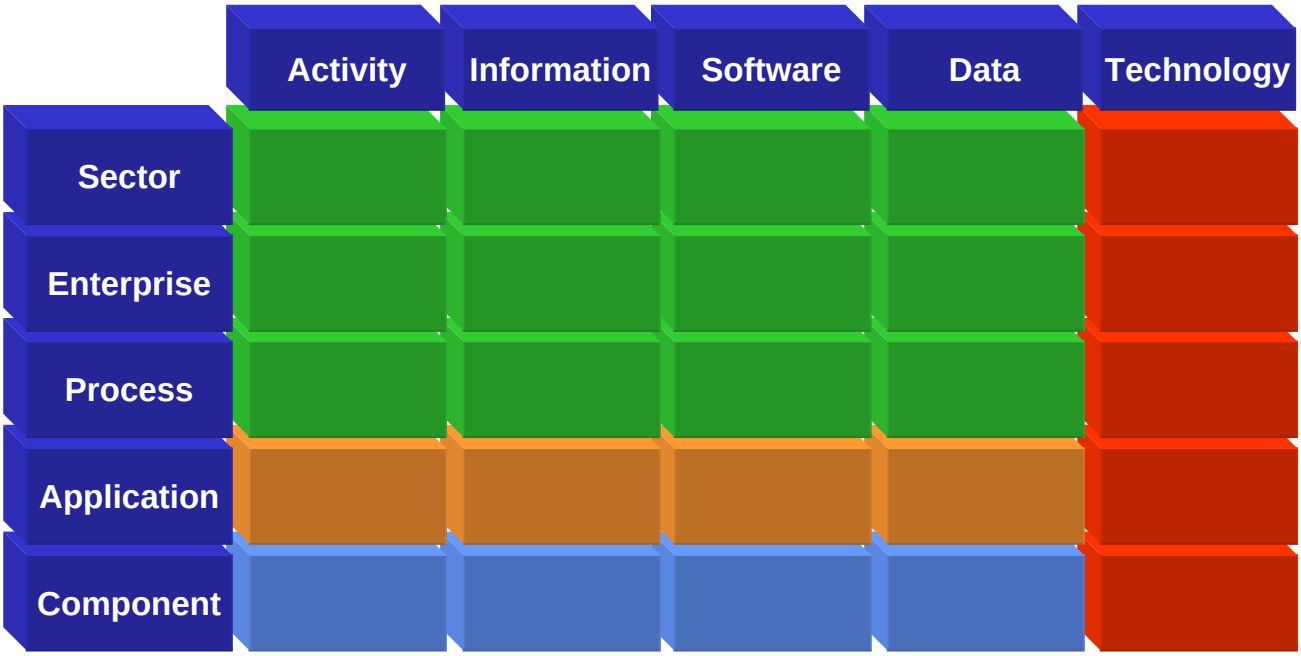
UML Views

…this taxonomy provides a logical organization for the various major kinds of diagrams. However, it does not preclude the mixing different kinds of diagram types…

…the boundaries between the various kinds of diagram types are not strictly enforced…

OMG UML 2.0 Infrastructure Specification

The Extreme Architecture Framework



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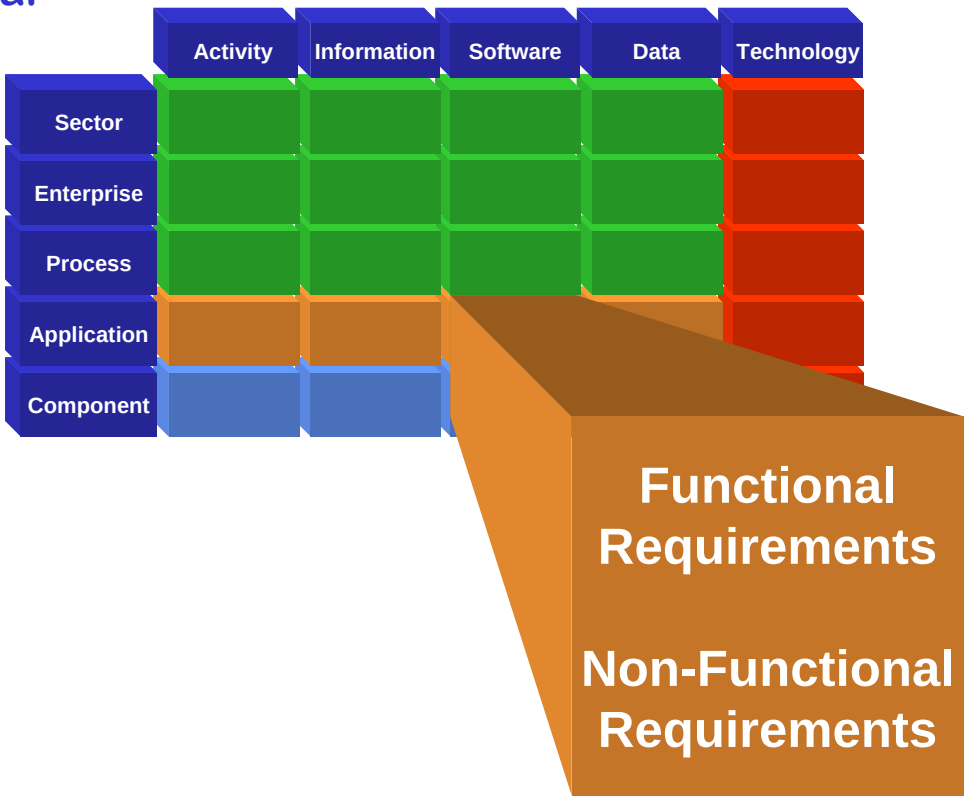
The Extreme Architecture Framework

Architectural Elements



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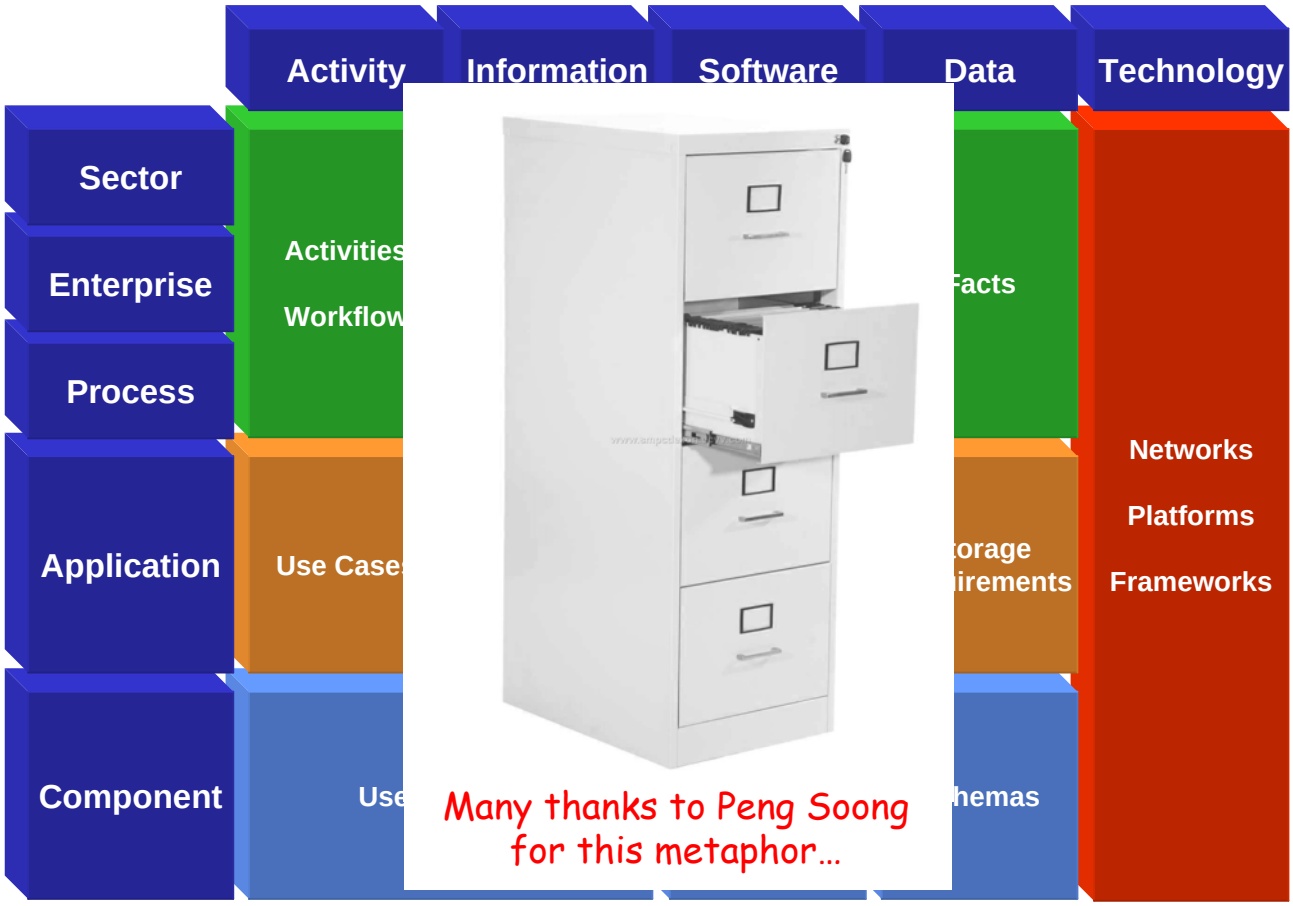
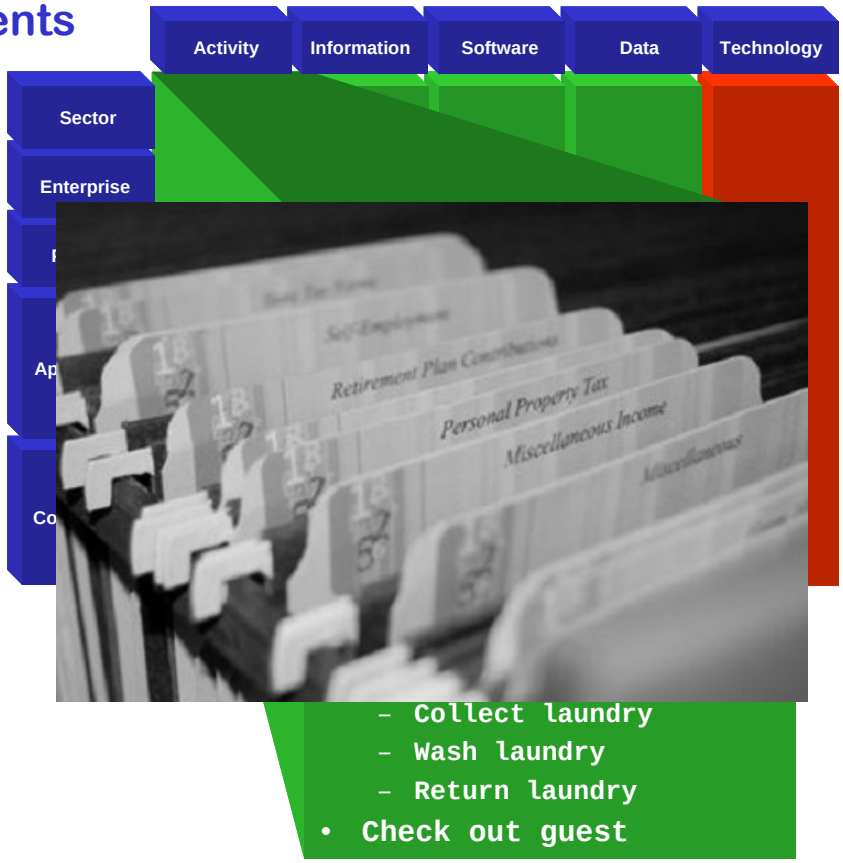


The Extreme Architecture Framework

Enterprise Elements