

The Rational Software Conference





Capability Modelling with
System Architect – How it
works, how it helps and
where it fits in the big picture
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Who are Altus?

Business & System Architecture Consultants for Financial Services





Bridging the gap between strategy and delivery



Architecture challenges of Financial Services

- Intangible products
- Dependent on technology
- Non-expert technology users
- Data can be 'live' for decades
- Retrospective regulatory change
- A long history of M&A
- Project driven environment
- Multi-dimensional change



The Altus response

- Architecture to save money
- Connect change to principles
- Bridge the business/IT divide
- Visualisation
- Focus on information
- Tool Support
- Architecture via projects



Clients

























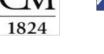












MNPA









James Hay







Fidelity





⇒JLT











unum





ELIS

System Rationalisation – common issues

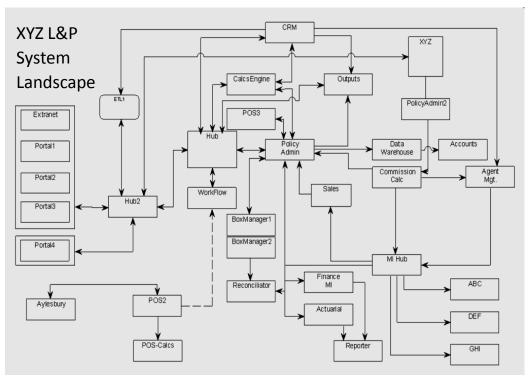
Multiple systems appear to perform the same function...

Summarising and communicating issues in a non-technical way

No demonstratable method for reaching desired to-be state

...variations by product type, brand and channel

Complex inter-connectivity and inter-dependencies



Systems not used as originally designed for...

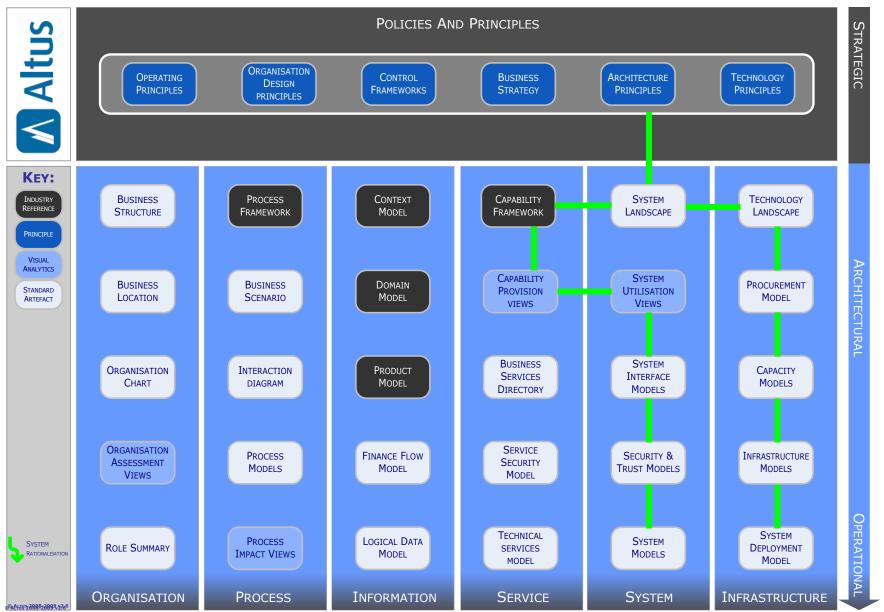
...or what YOU thought the business were using them for

Technology decisions driving design

Hidden complexity when you get to the detail

...an IT-centric approach leads to nasty surprises later!

System Rationalisation



Business Capabilities – What are they?

- WHAT a business does, not HOW it does it (that's process)
- An analogy...

Boeing 747 Capabilities

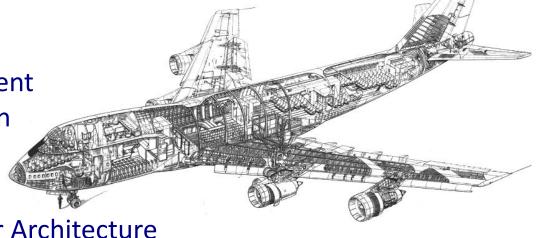


Boeing 747
Business
Process



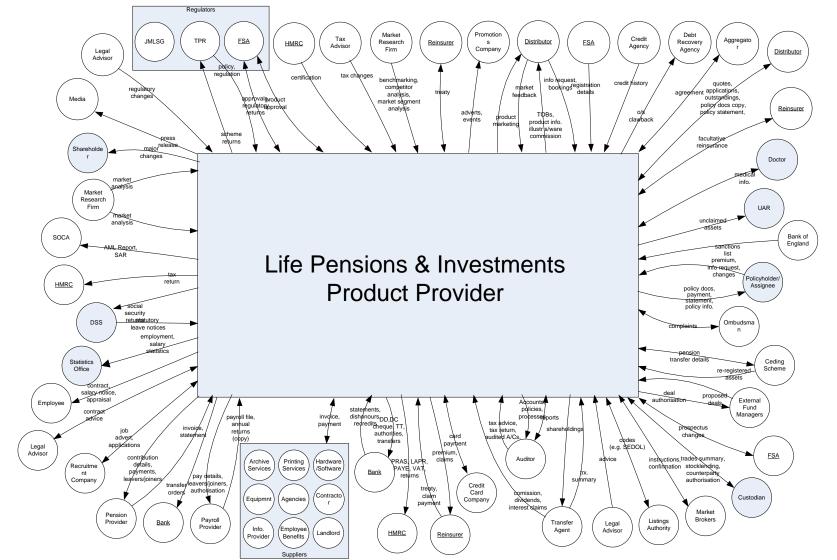
Capability Framework for Financial Services

- What is it?
 - A parts diagram of the business!
 - A top-down data-oriented view
 - A logical view independent of implementation
- A few examples:
 - Identity Confirmation
 - Direct Debit arrangement
 - Commission calculation
 - Archive retrieval
- Why is it important?
 - A stable foundation for Architecture
 - A sound basis for Service definition (business and technical)
 - A common language across Business and IT
 - A good tool to understand other aspects of the business

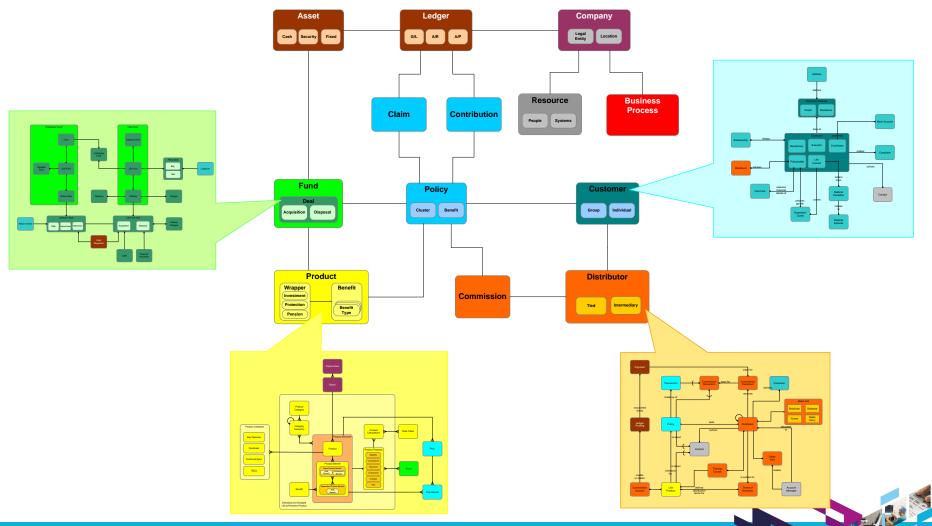


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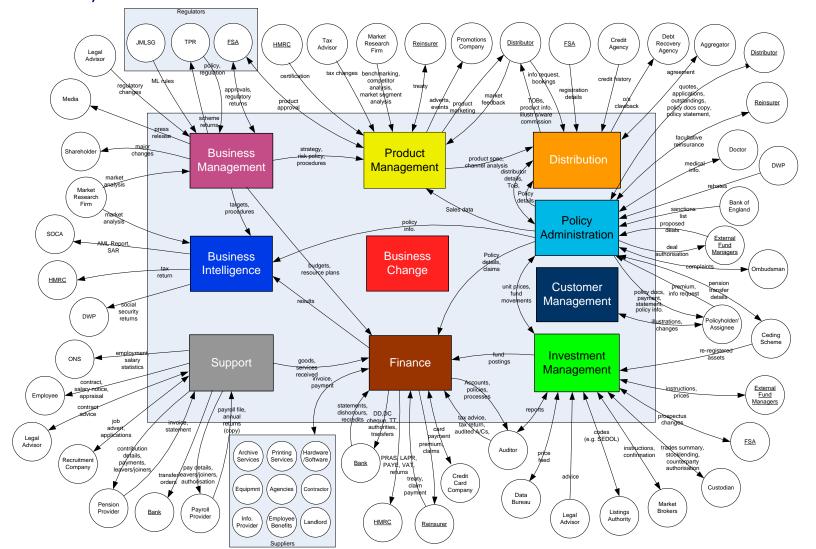
Start with a black-box picture of the business to understand the information flowing to and from the outside world.



Analyse information flows, Identify key data entities and classify into broad business domains (7-9 clusters of related entities).

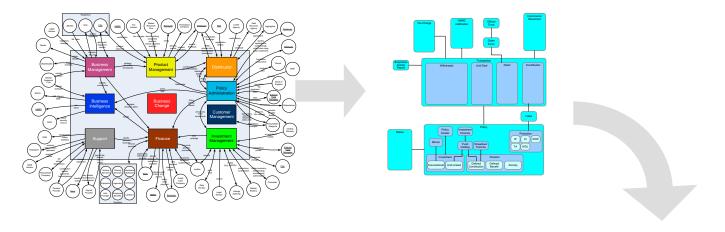


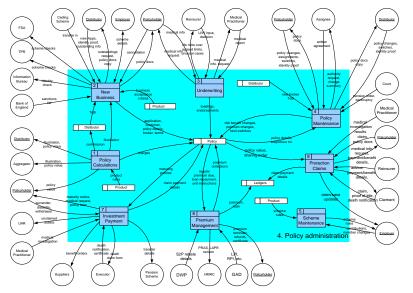
Allocate one high-level capability to each business domain (plus one for support functions if relevant).



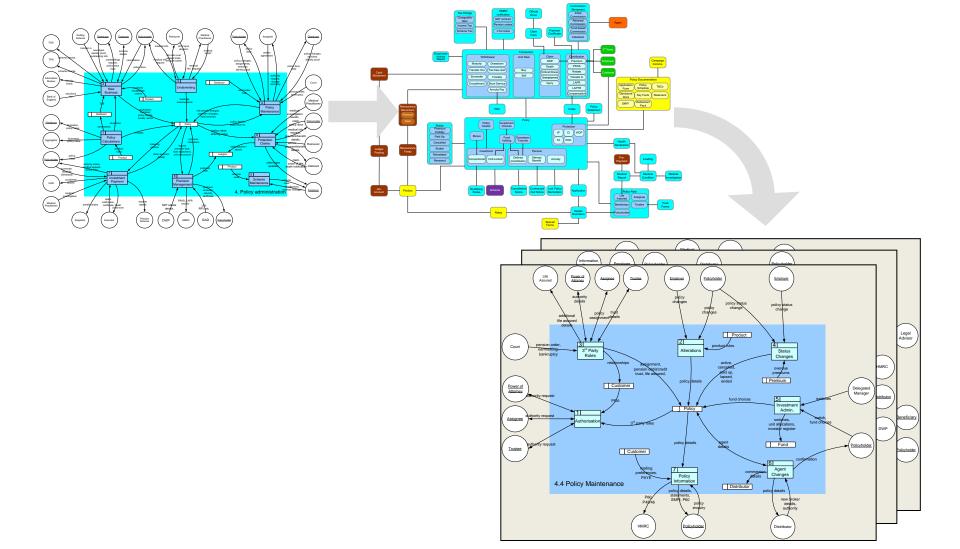
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Break down each capability into sub-capabilities based on lower level entities and their basic lifecycles.

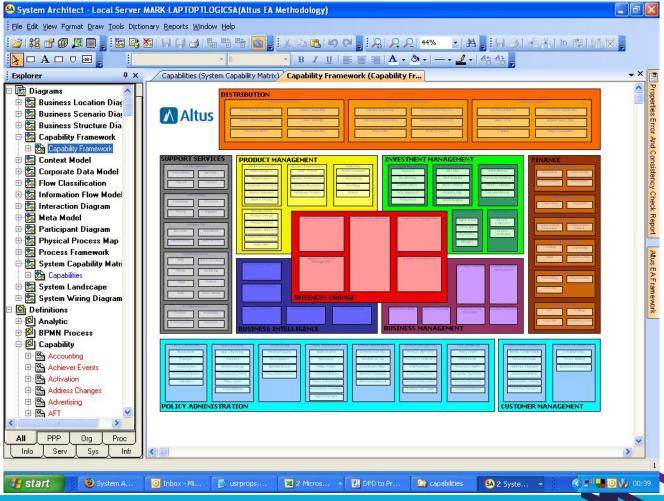




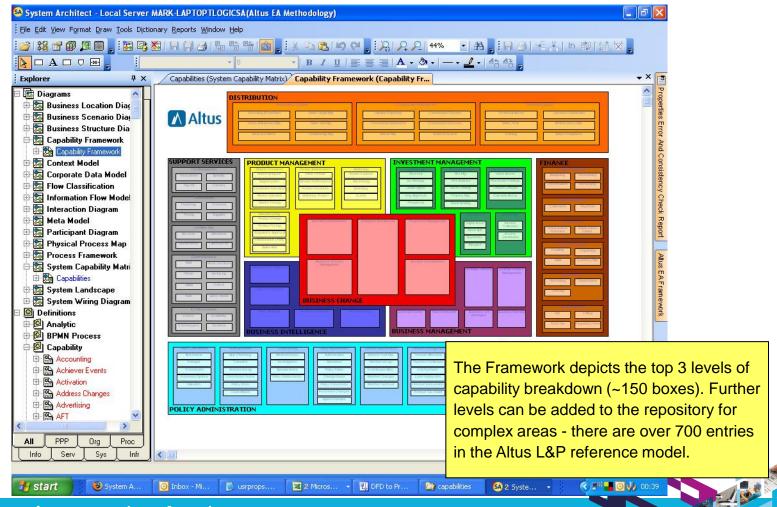
Repeat step 4 for sub-capabilities to produce a 3-level capability hierarchy.



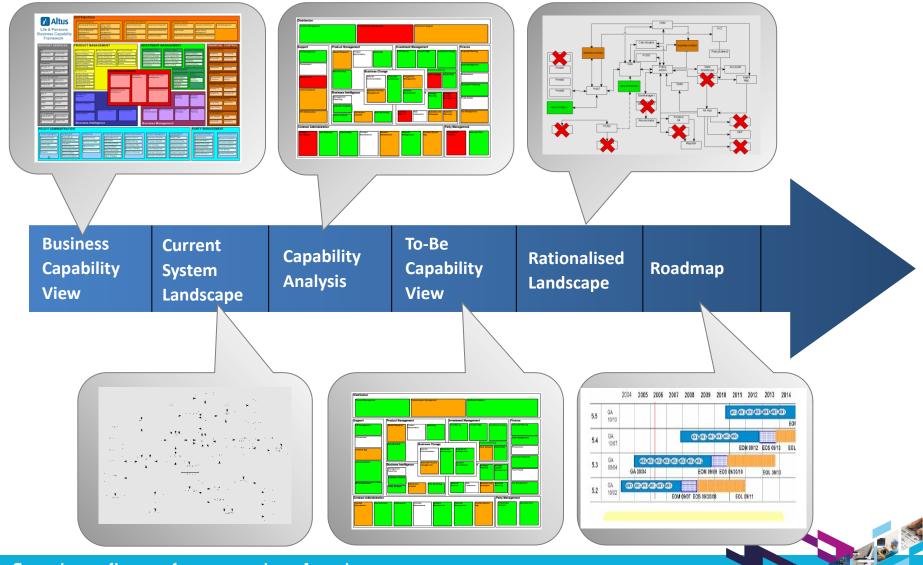
The final step is to produce a one-page iconic image of the hierarchy which can be used to map against numerous other domains – process, application, location, etc.



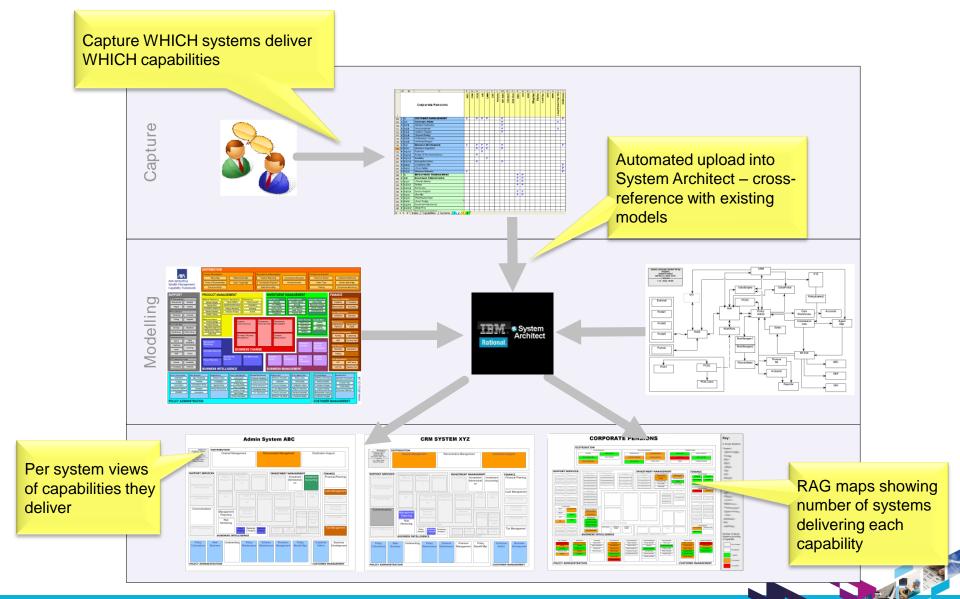
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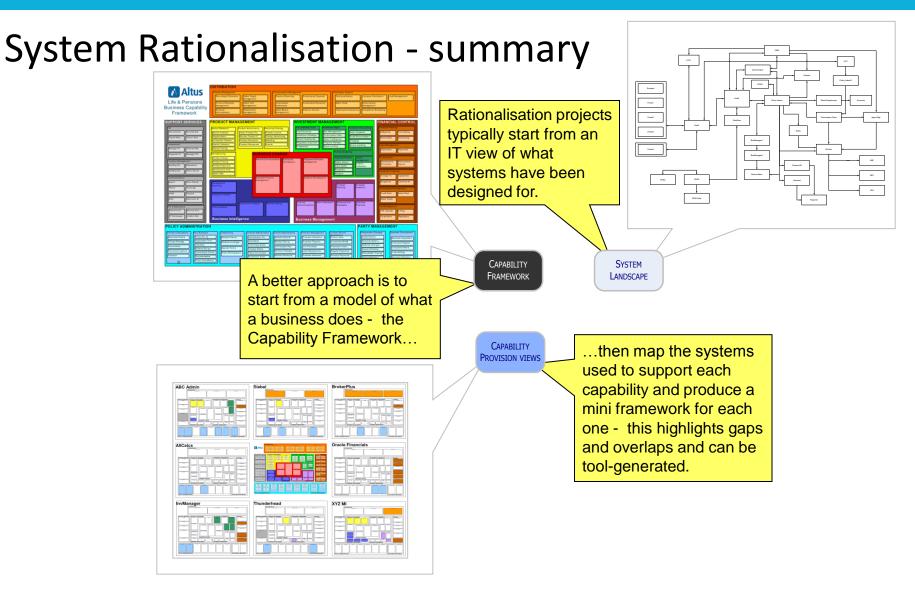


Rationalising the Landscape

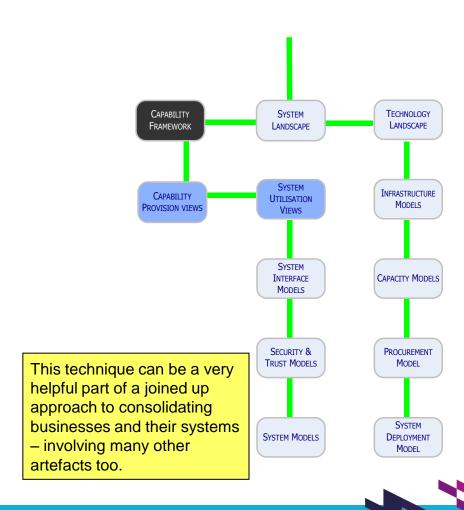


Capturing the business view

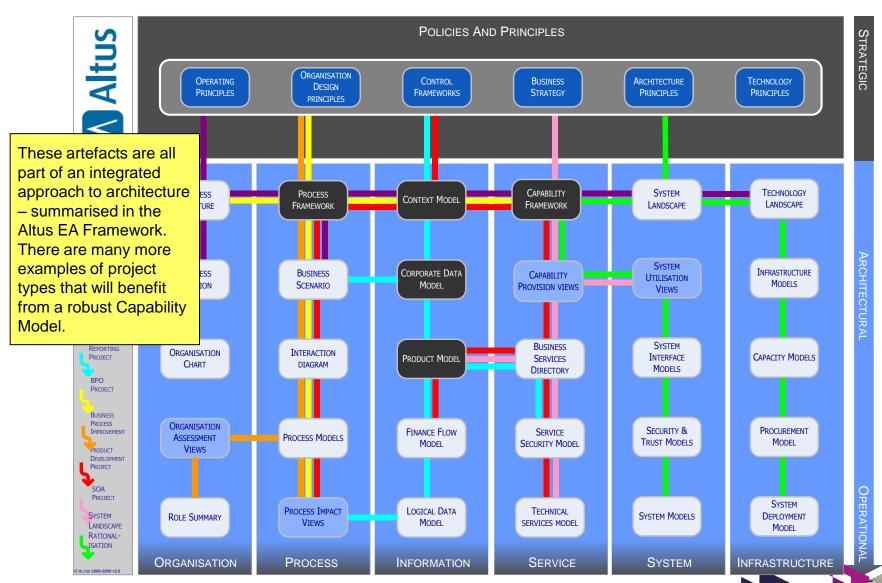




System Rationalisation - summary



System Rationalisation - summary



Capability Visualisations



....let's see it for real







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