

Process Decomposition of a Business

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Abstract

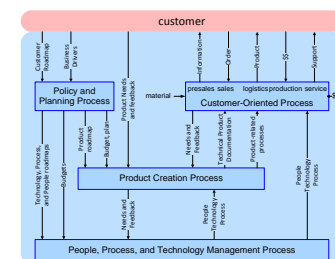
This article positions the system architecture process in a wider business scope. This positioning is intended to help understanding the processes in which the system architect (or team of system architects) is involved.

It focuses on an organization that creates and builds systems consisting of hardware and software. Although other product areas such as solution providers, services, courseware, et cetera also need system architects, the process structure will deviate from the structure as presented here.

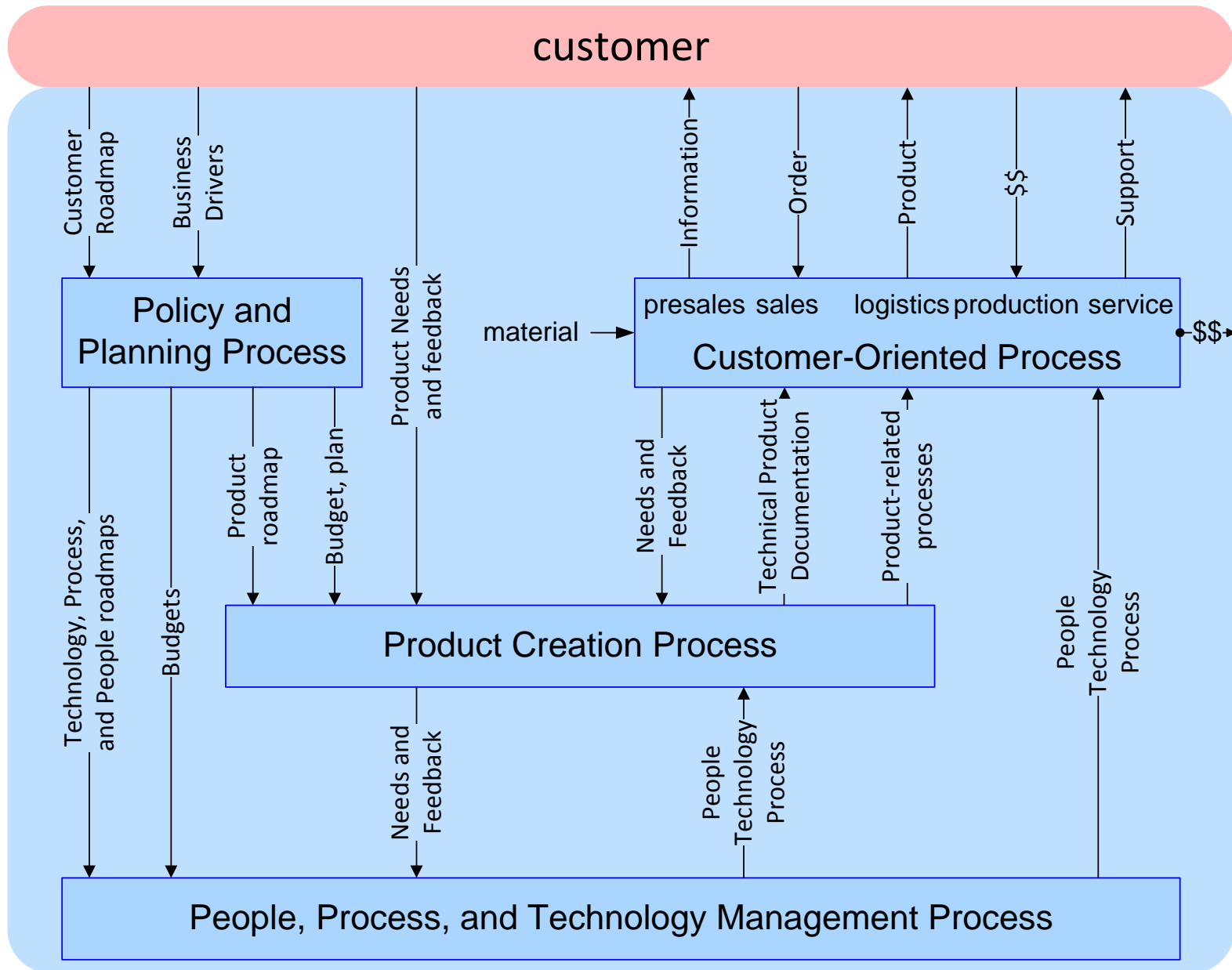
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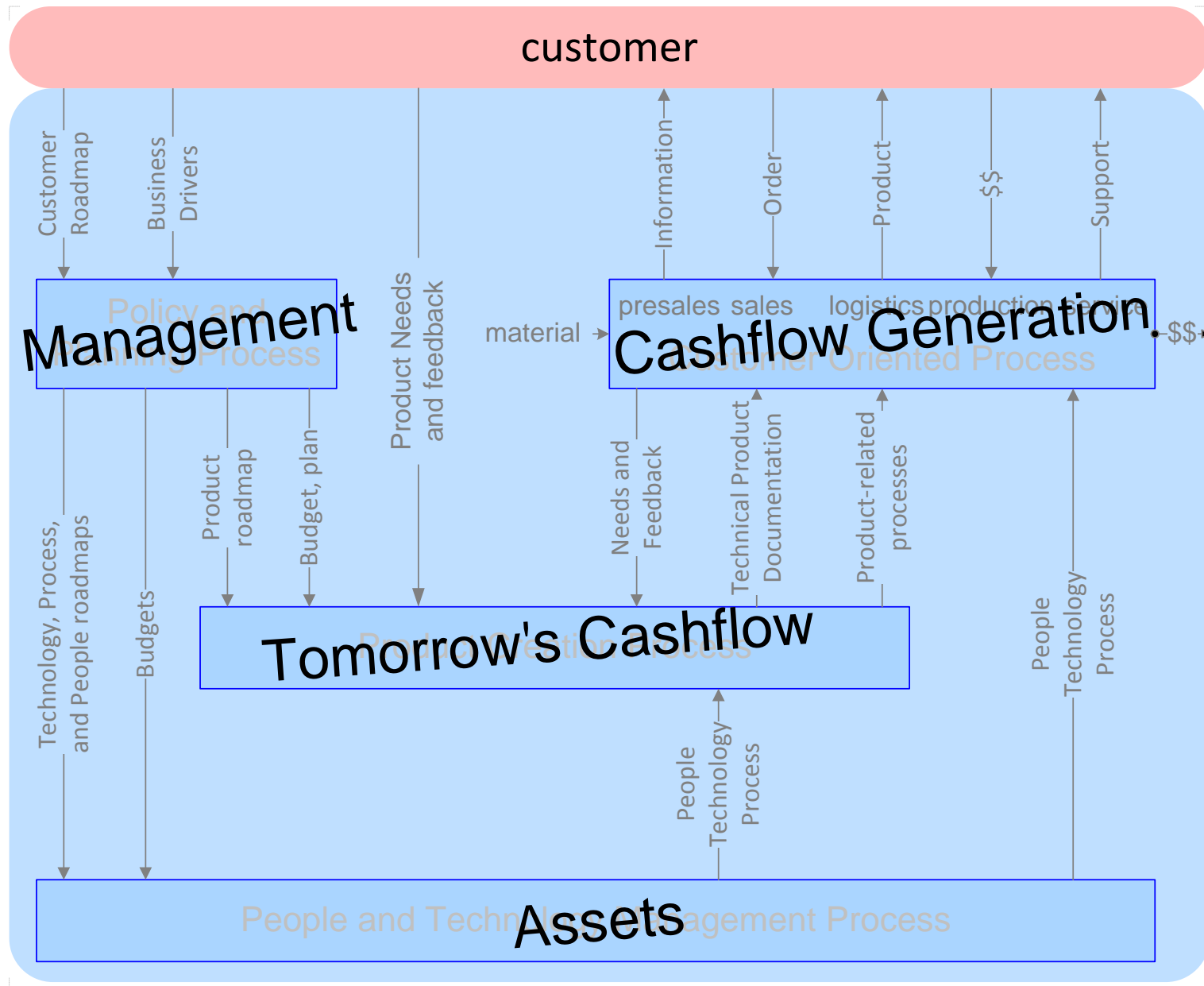
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Simplified Decomposition of the Business



Financial Characterization of Decomposition



Multiple Instances per Process

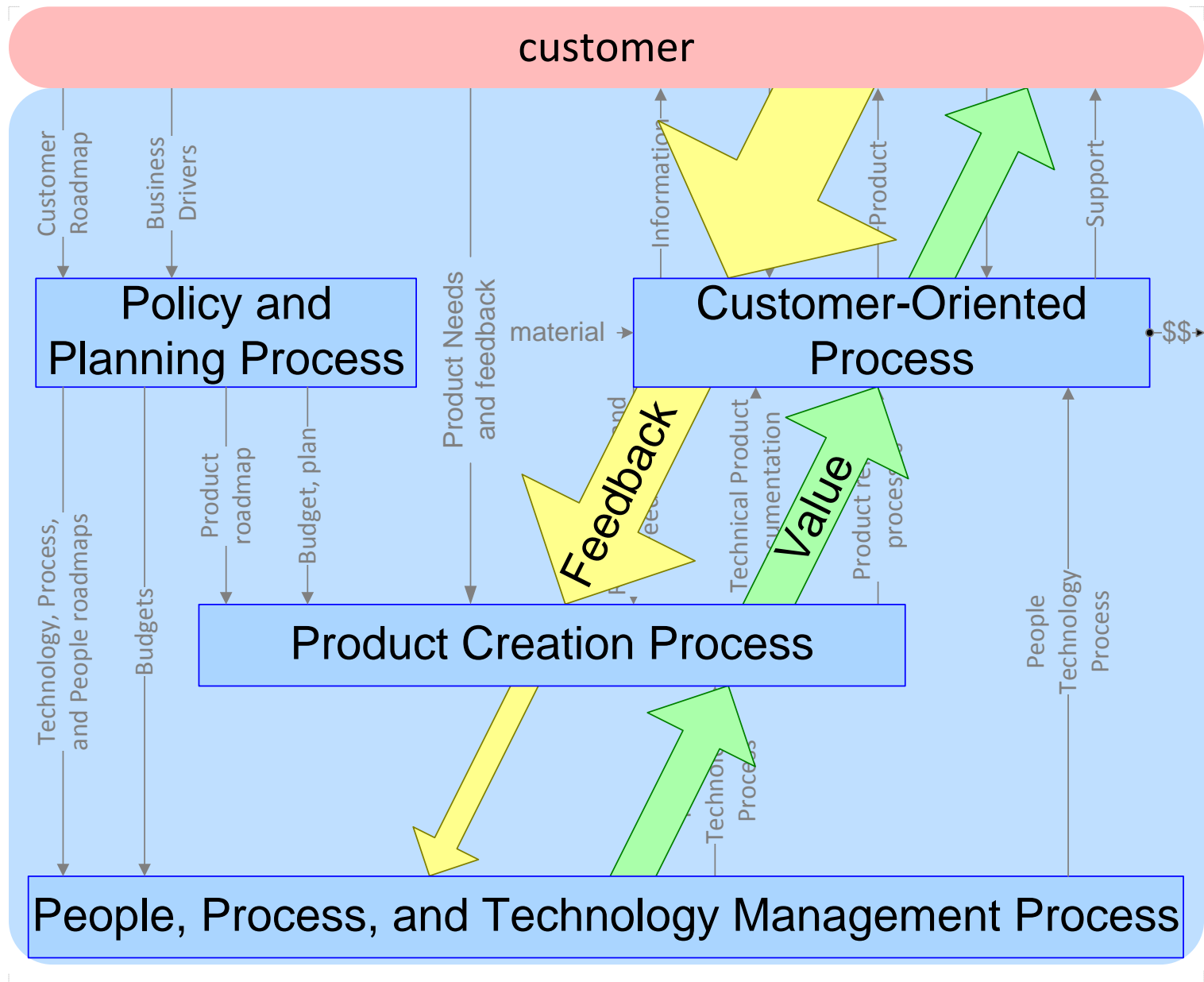
Customer Oriented Process: Depends on geography, customer base, and supply chain.

Product Creation Process: One per entity to be developed, where such an entity can be a product family, a product, or a subsystem.

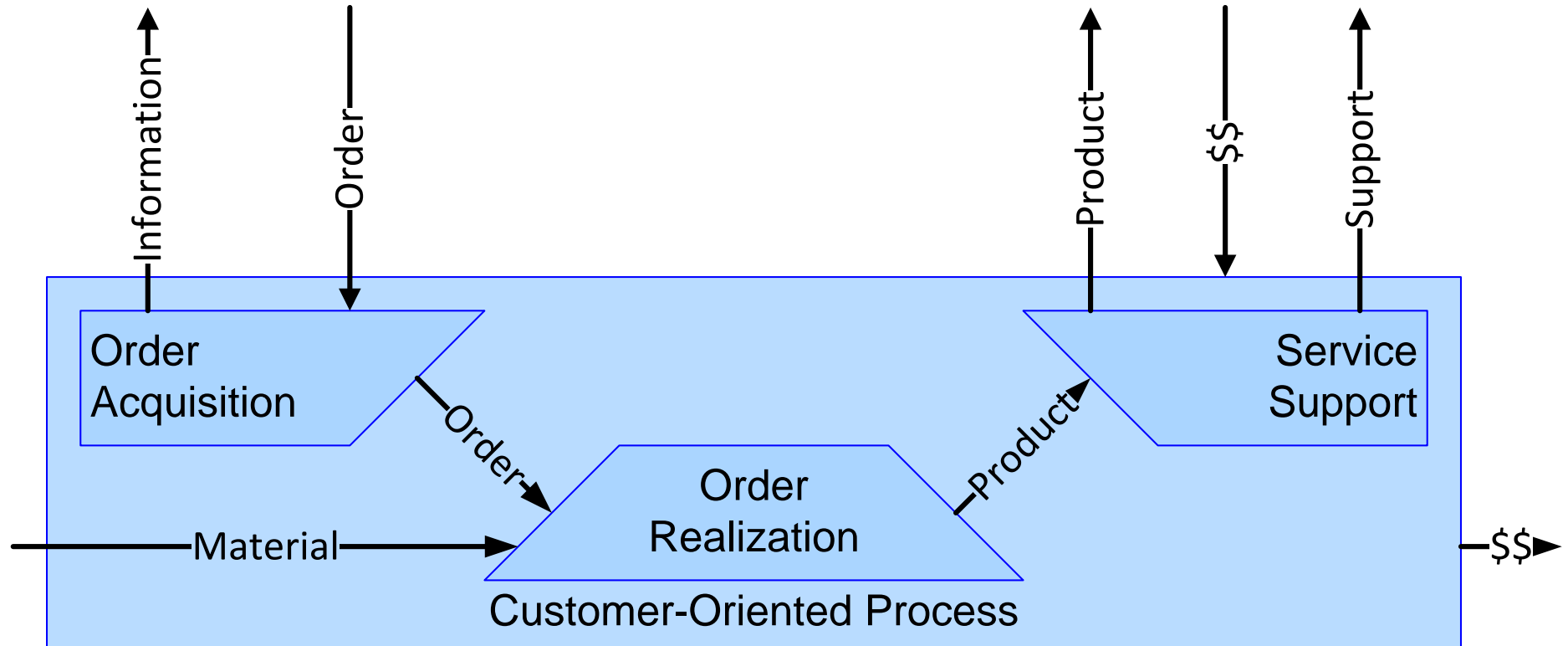
People and Technology Management Process: One per “competence”, where a competence is a cohesive set of technologies and methods.

Policy and Planning Process: One per business. This is the pro-active integrating process.

The Value Chain and the Opposite Feedback Flow



Decomposition of the Customer Oriented Process



Extended with Generic Developments

