

Module Architecting Method Overview

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Abstract

This module described the overview of the complete architecting method.

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status: draft

version: 0

logo
TBD

Overview of CAFCR and Threads of Reasoning

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Abstract

The described architecting method uses the CAFCR model as starting point. Qualities are used as orthogonal dimension to integrate the CAFCR views. Story telling is used to add specifics. Threads of reasoning combine all the information into a coherent overview.

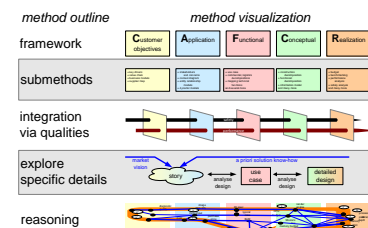
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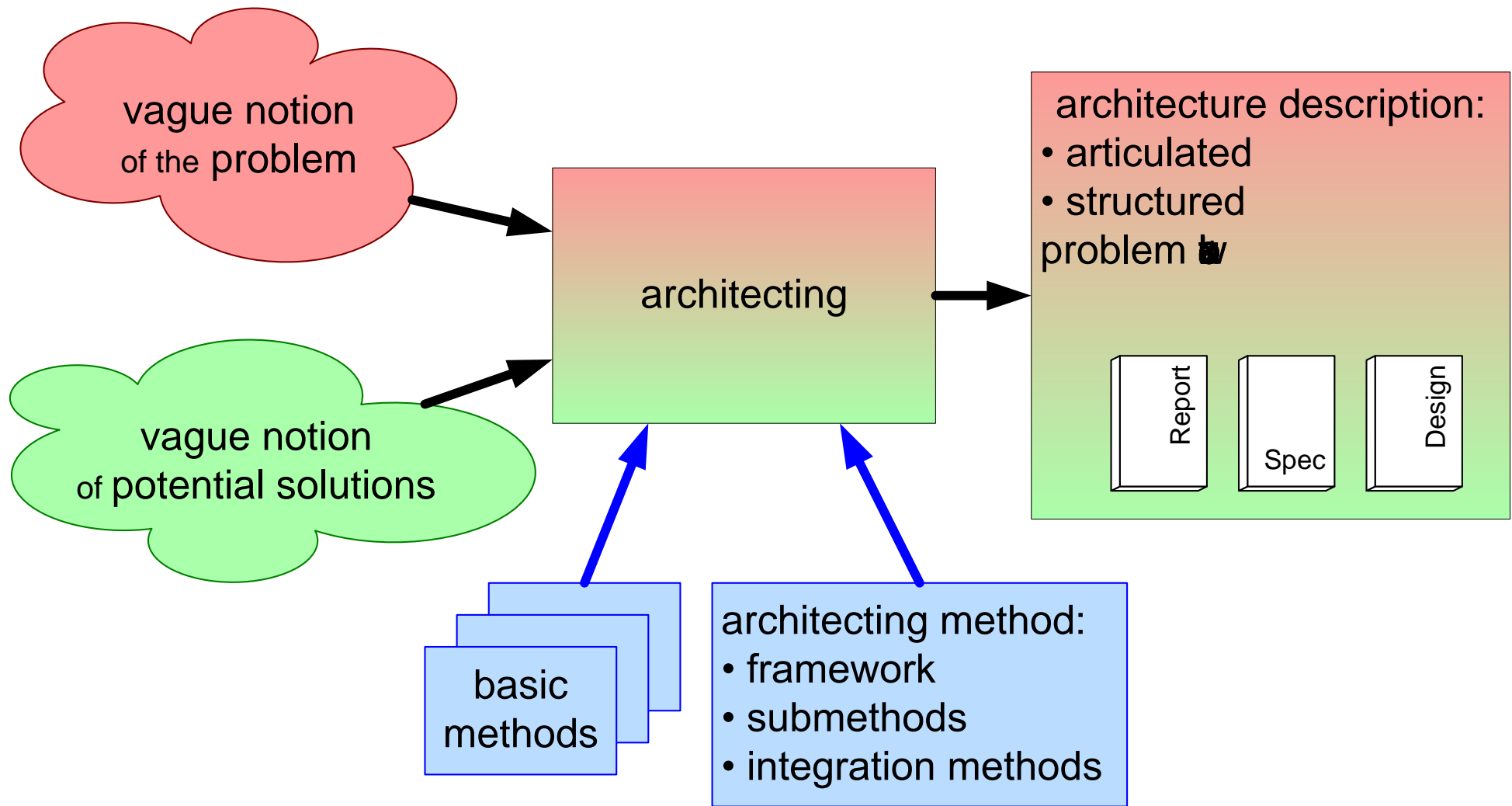
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From vague notions to articulate and structured



Overview of architecting method

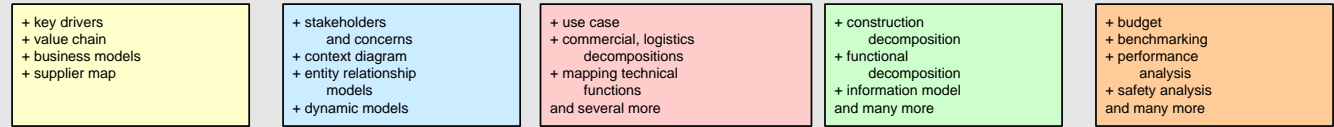
method outline

method visualization

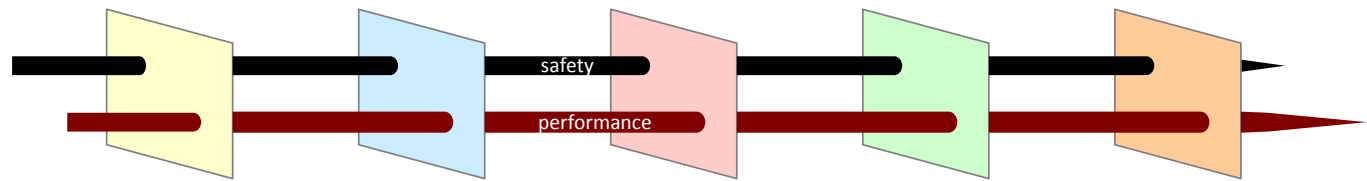
framework



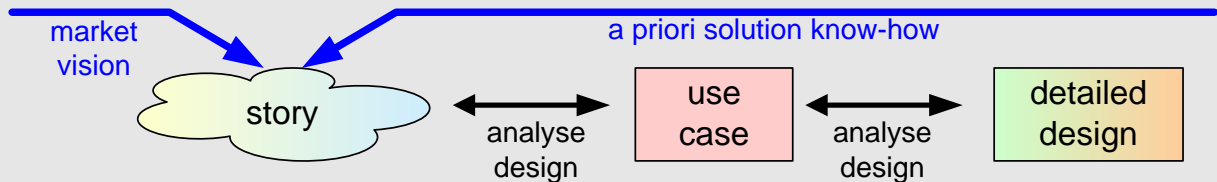
submethods



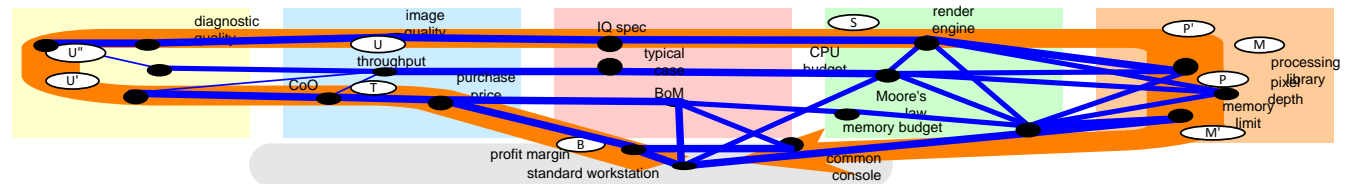
integration via qualities



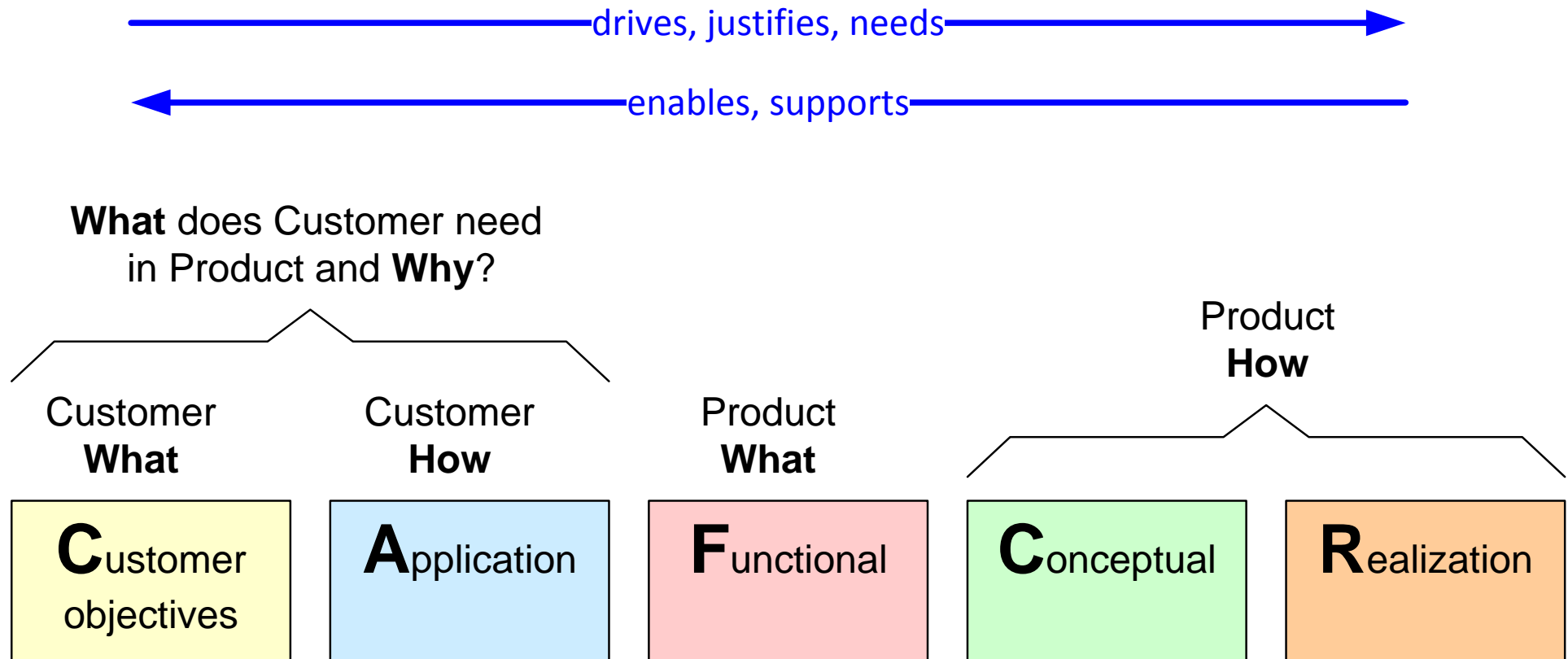
explore specific details



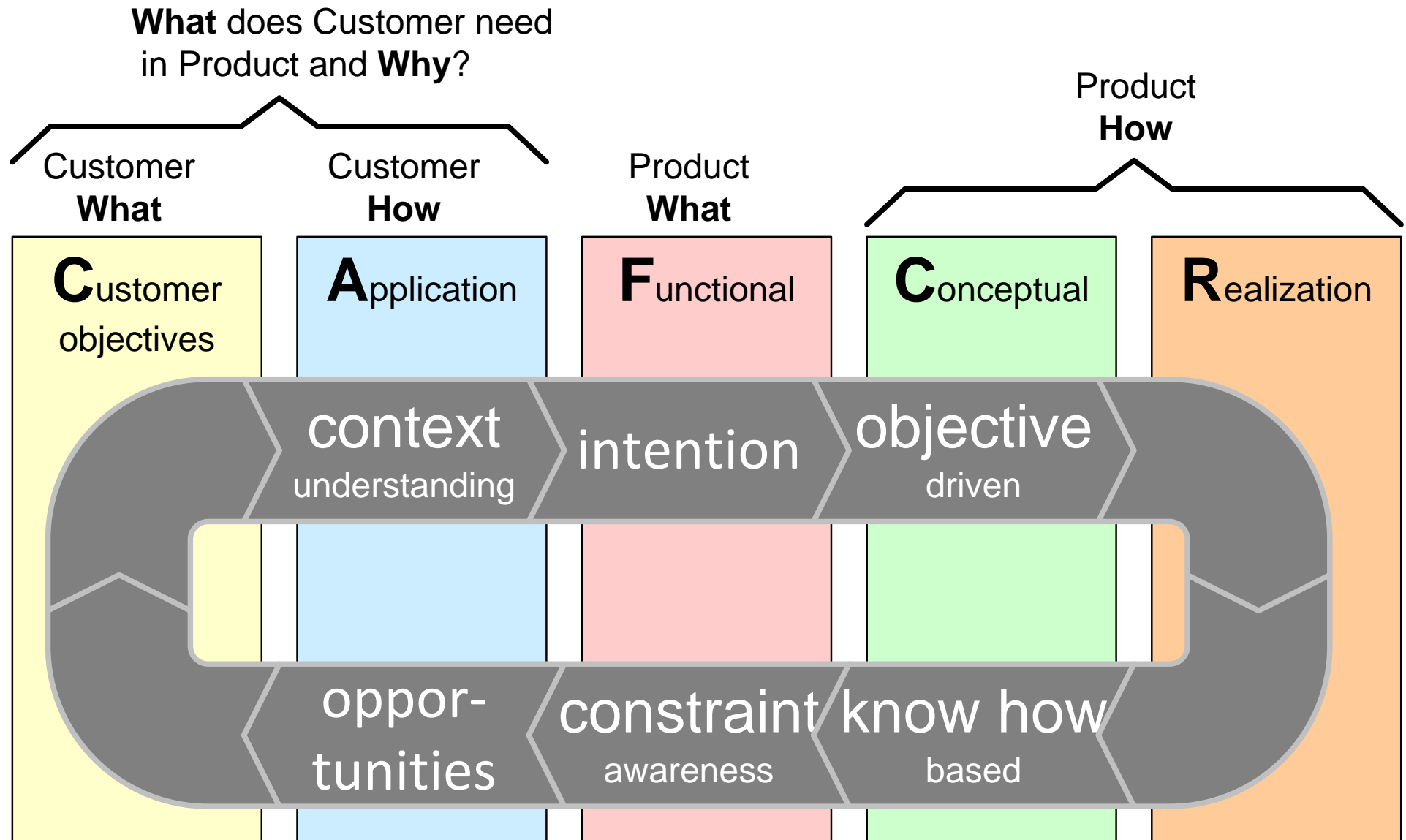
reasoning



The “CAFCR” model



Five viewpoints for an architecture



Short introduction to basic “CAFCR” model

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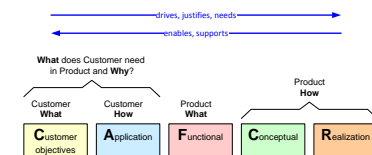
Abstract

The basic “CAFCR” reference model is described, which is used to describe a system in relation to its context. The main stakeholder in the context is the customer. The question “Who is the customer?” is addressed.

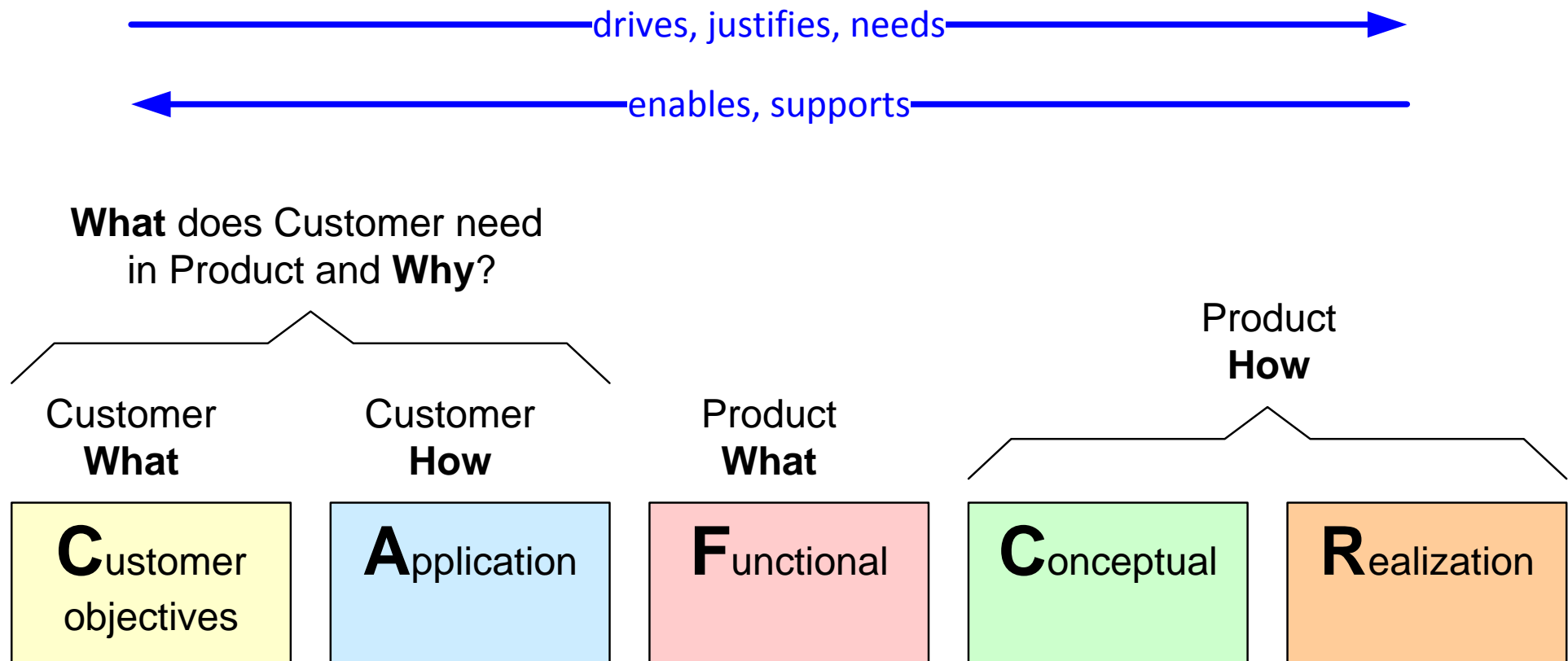
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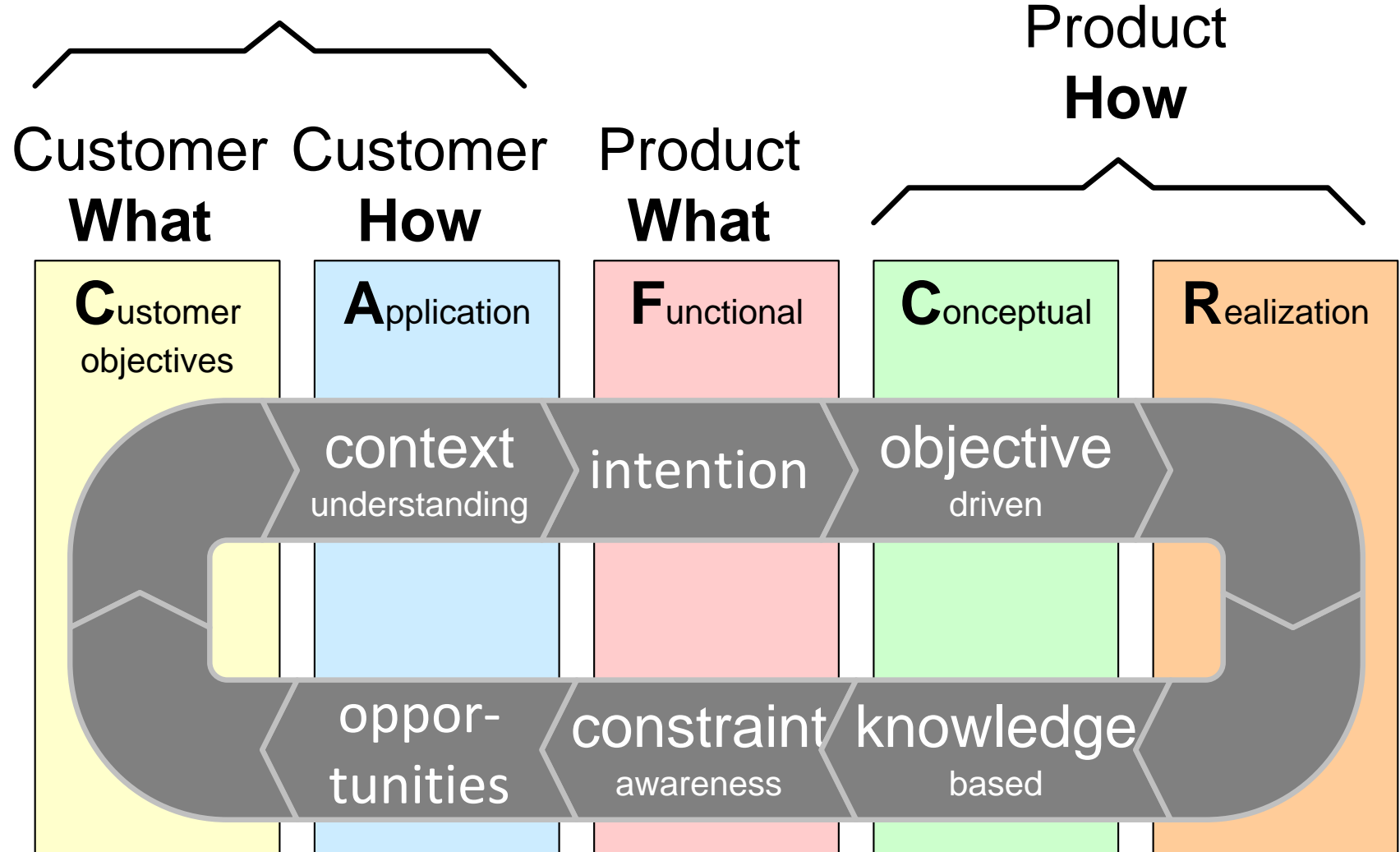


The “CAFCR” model

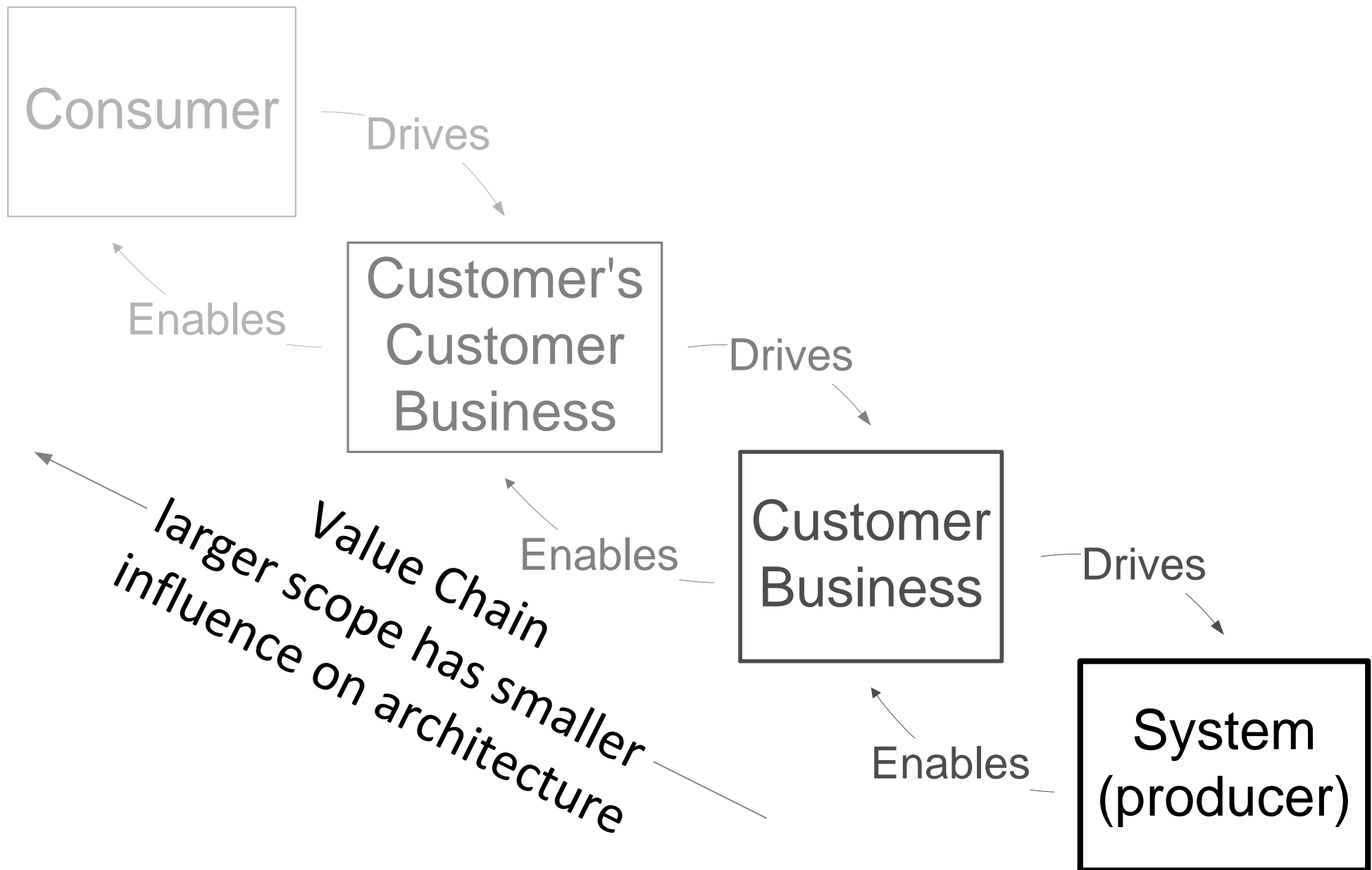


Integrating CAFCR

What does Customer need
in Product and **Why?**



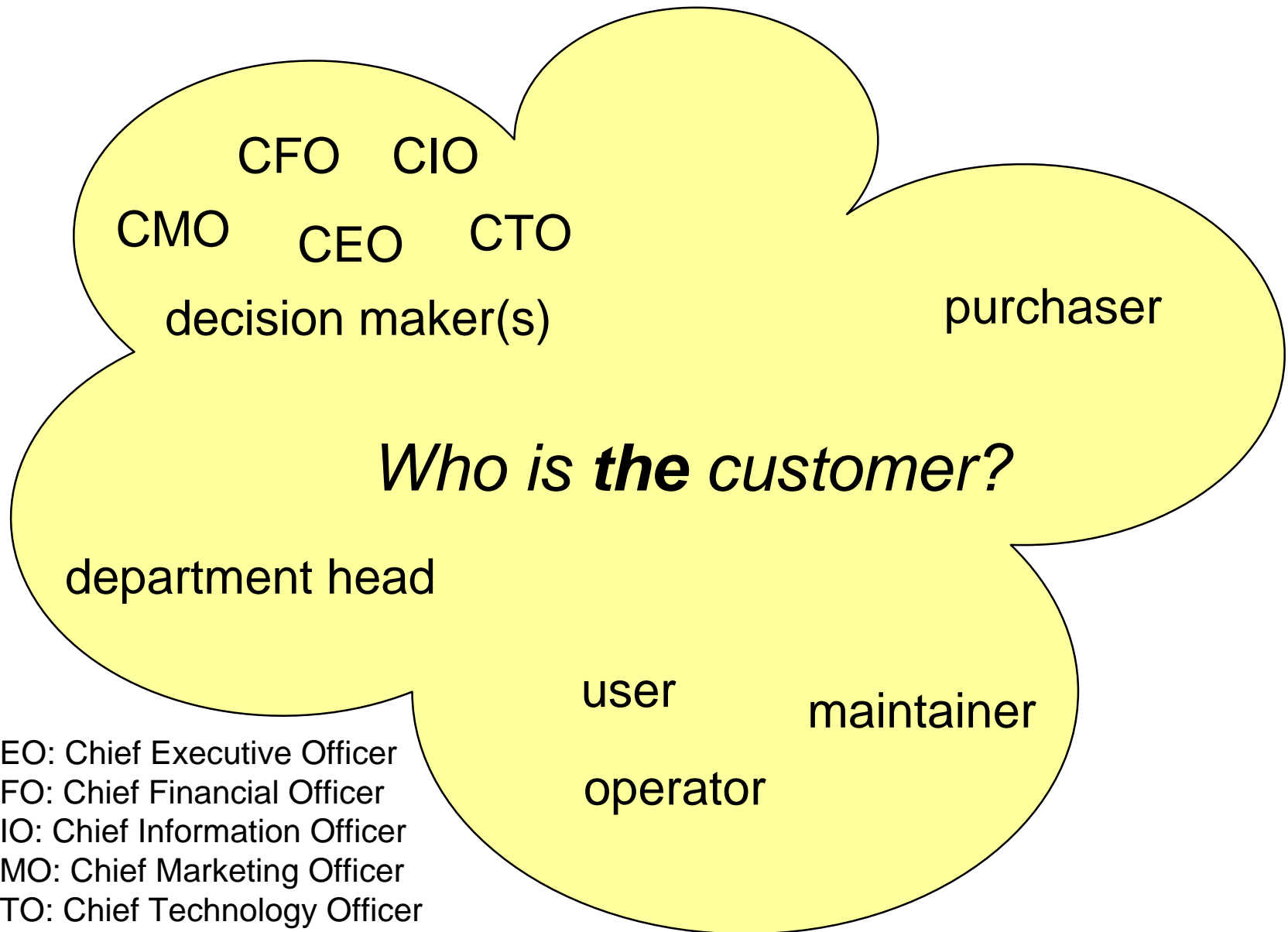
CAFCR can be applied recursively



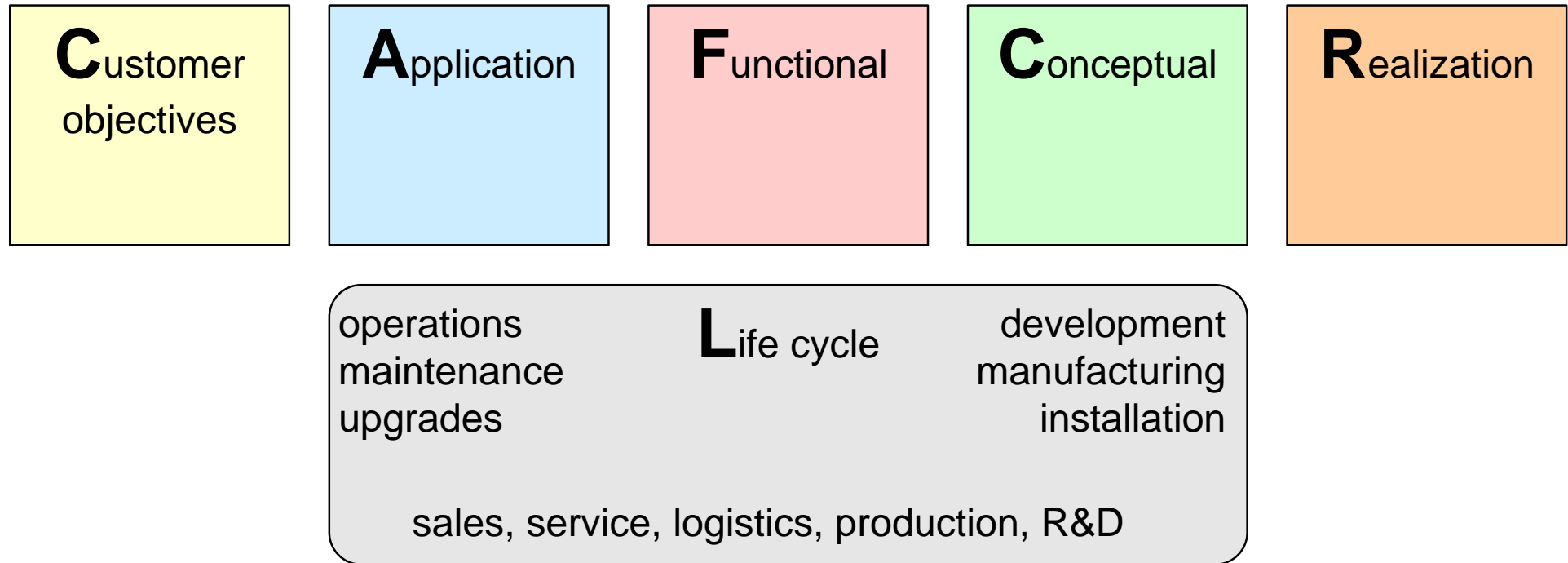
Market segmentation

segmentation axis	examples
geographical	USA, UK, Germany, Japan, China
business model	profit, non profit
economics	high end versus cost constrained
consumers	youth, elderly
outlet	retailer, provider, OEM, consumer direct

Example of a small buying organization



CAFCR+ model; Life Cycle View



Exercise Architecting Method Overview

- make a bottom-up analysis of your product:
 1. realization
 2. conceptual
 3. functional
 4. application
 5. customer objectives
 6. qualities
- use time boxes of 15 minutes per view
- show the most dominant decomposition of that view, as diagram or as a list