

Platform and Evolvability Course

by *Gerrit Muller* Embedded Systems Institute

e-mail: `gaudisite@gmail.com`

`www.gaudisite.nl`

Abstract

The course Platforms and Evolvability addresses the architecting of evolvable product families based on a common platform.

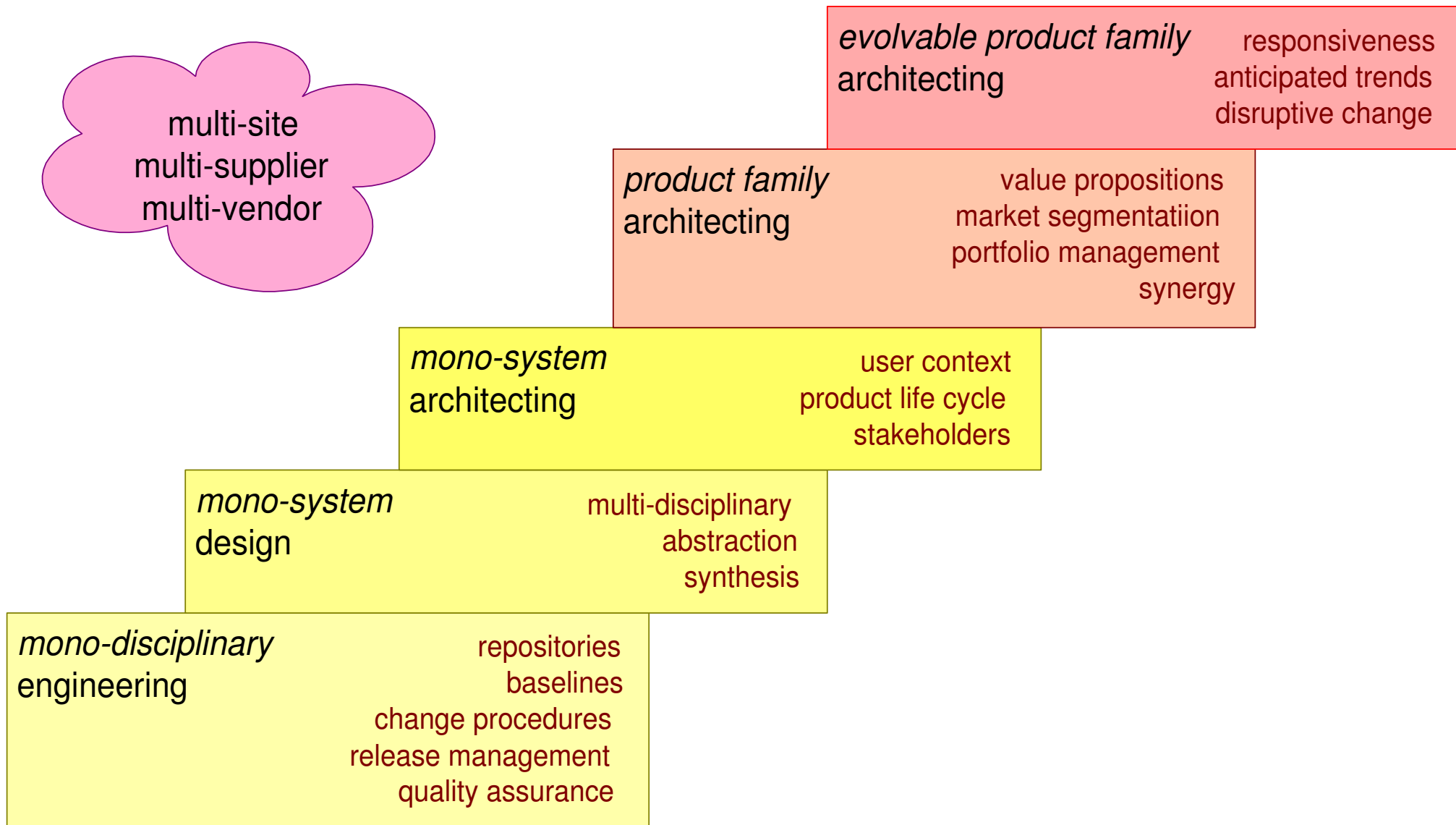
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logo
TBD

Prerequisites for Evolvable Product Family Architectures



1 Why & What Evolvable Product Families

exercise:

- identify products in family
- identify platform boundary

2 Market analysis (stakeholders&concerns, market segments, key drivers)

exercise:

- take 2 most distant products
- make key driver graph, one for each product
- identify tensions in interests

3 Engineering & Design (repositories, configuration management, testing, configurability, resource management, ...)

exercise:

- show repository structure and quantify

4 Process & People (development lifecycle, product lifecycle, goods flow, supply chain, creation chain, ...)

exercise:

- make map of processes & people involved; be specific (names) and quantify

5 Reference architecture

exercise:

- make top 3 views
- identify next 7 views

6 Assessment & Evolution

exercise:

- define 3 change cases
- determine impact of 1 change case