

(J)EDUF with C4



Agile transition

BDUF -> (J)EDUF

Monolith -> microservices

Static architectures -> Evolutionary architectures

This is me!



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Sogeti

- Started as YP in 2006
- Java developer
- Solution architect

Other activities

- Java Architecture Board
- Java Education Team
- Coach

Clients

- DUO
- TenderNed
- ING
- OCLC
- KOOP

Personal

- Married, 2 kids
- Running
- Gardening

A good architecture enables agility



Agile doesn't mean:

no documentation no design up front







Design is getting more and more collaborative

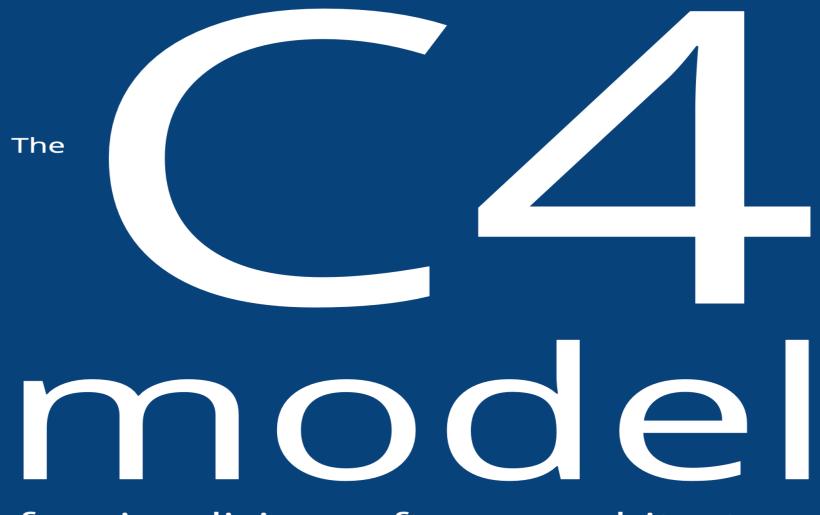


(J)EDUF

(J)EDUF -> (Just) Enough Design Up Front

Understand the structure

Create a shared vision

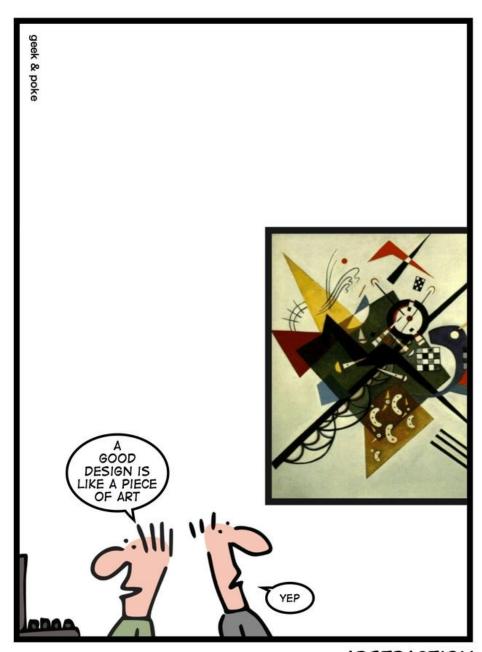


for visualising software architecture

C4 explained

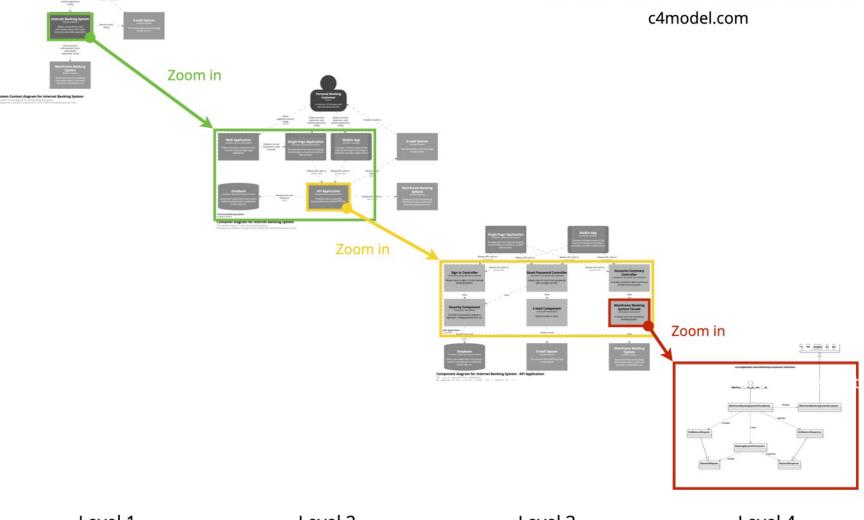
Layers of abstraction

- Context
- Container
- Component
- Code



C4 explained

The C4 model for visualising software architecture

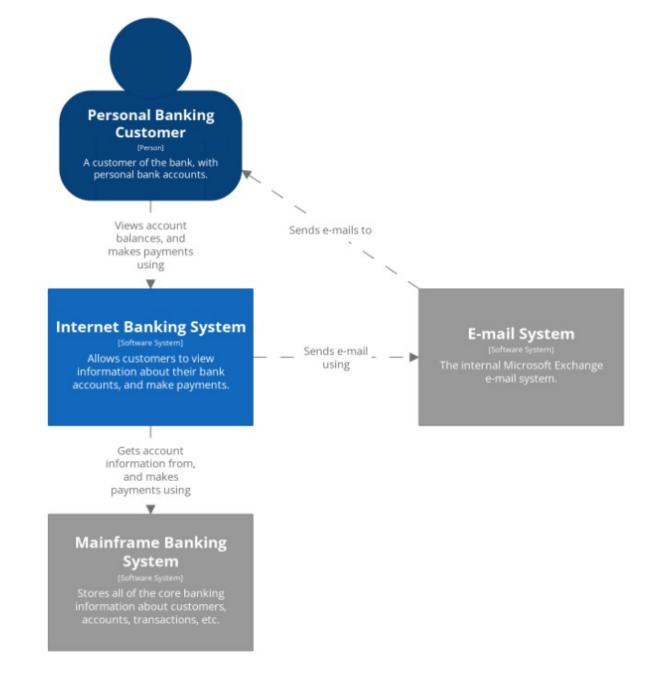


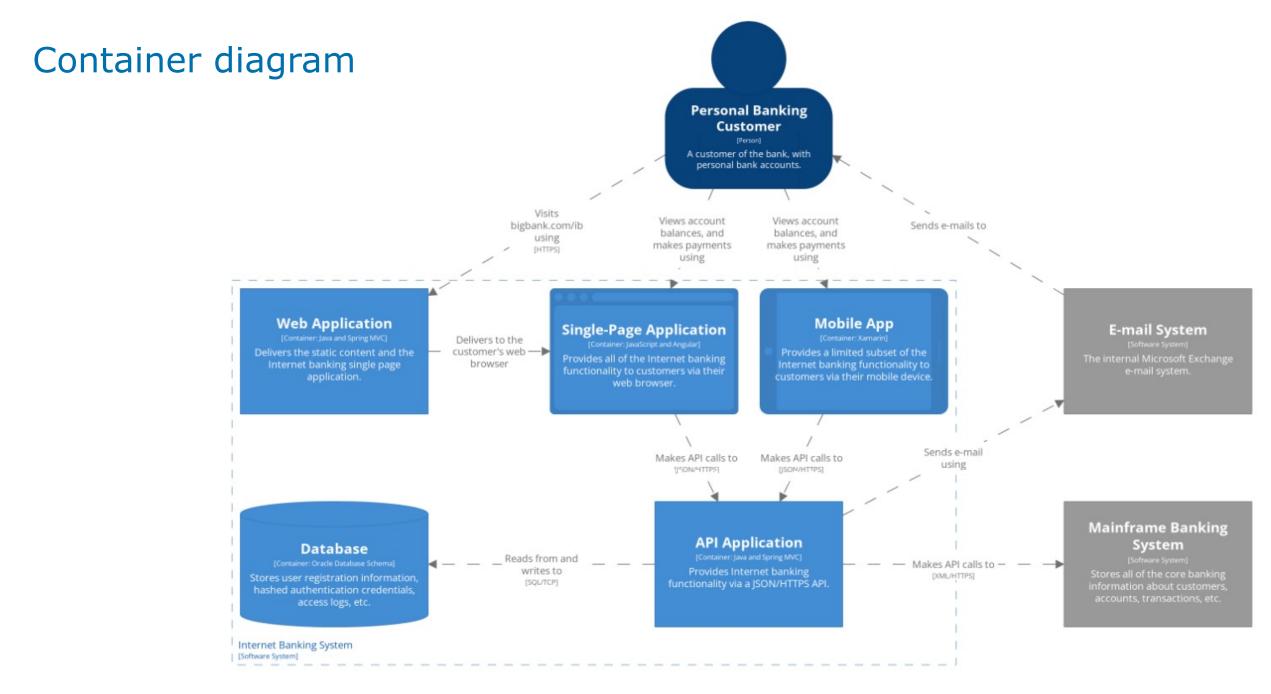
Level 1
Context

Level 2 Containers Level 3 Components

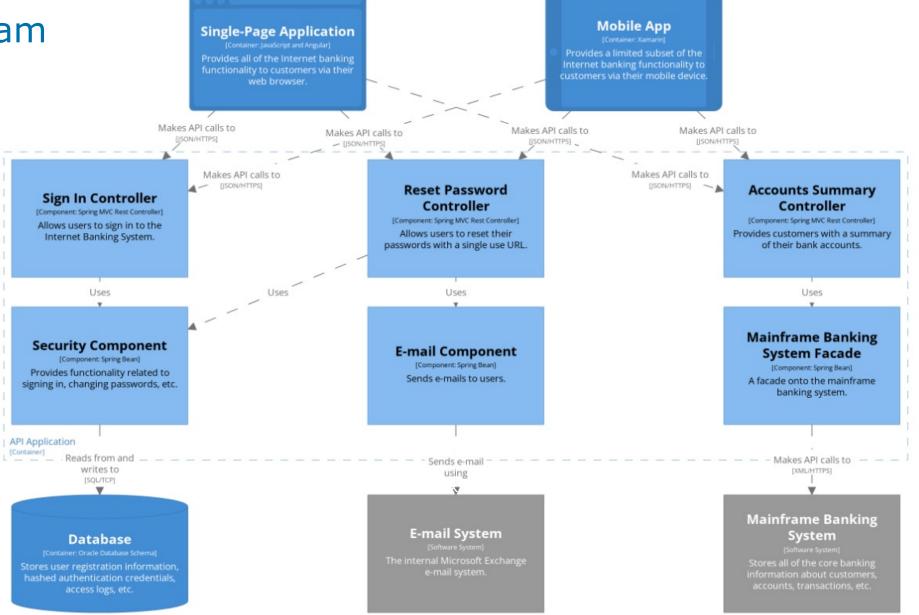
Level 4 Code

Context diagram

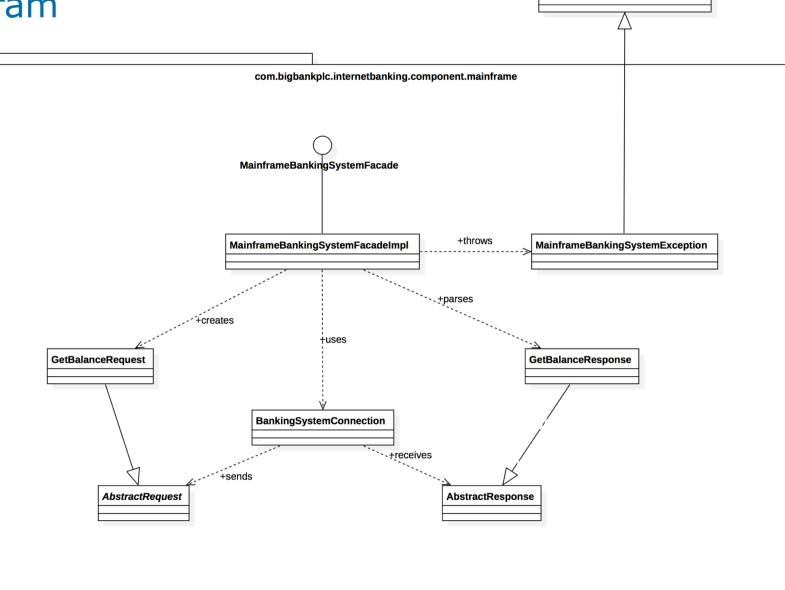




Component diagram



Code diagram



InternetBankingSystemException

Add this to your diagrams

Title(diagram type and scope)

Legend(explaining shapes, but also acronyms



Add this to your elements

Type(person, software system, container or component)

Short description

Technology used



Add this to your elements

Unidirectional relationship

Label(be specific)

Technology/protocol(when applicable)



C4

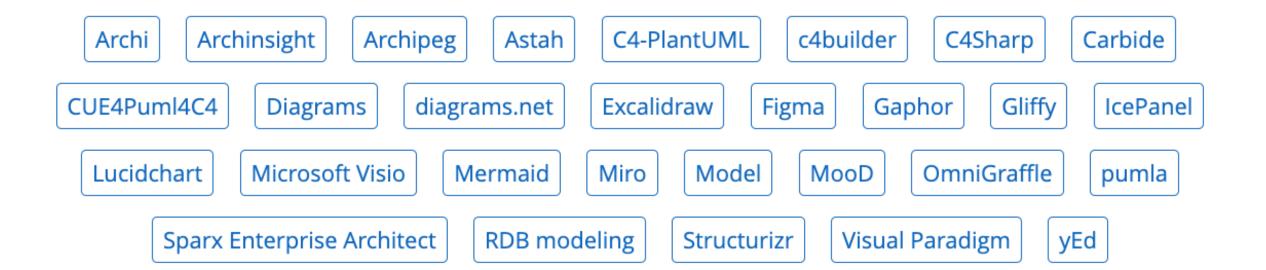
Pros

- Easy to learn
- Developer friendly
- Ubiquitous pictographic language

Cons

- Not suited for all systems
- Limited focus on non-functionals

Tooling



20

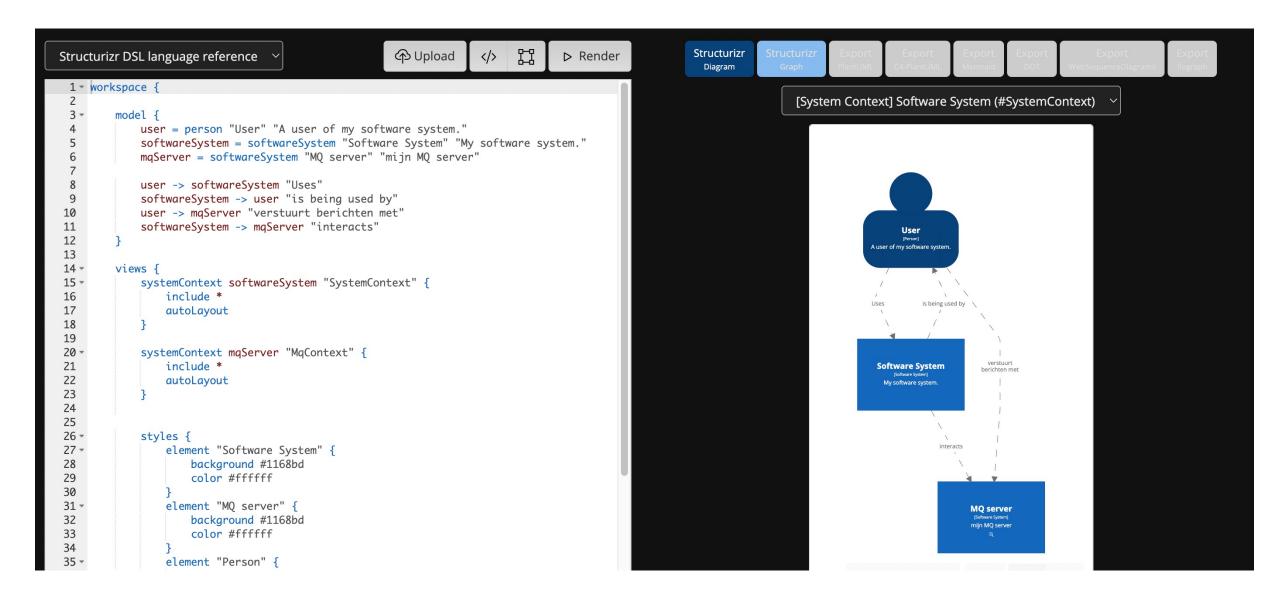
Pagina-1 ^ +

+ Meer vormen

internal user

Module voor het beheer van alle zaken omtrent

C4 DSL – Architecture Model as Code







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