

Using language and / business processes To design an effective \ Software delivery organisation

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/ Meet our Expert Paul de Raaij

\ Strategic Software Delivery Consultant





Webinar / Week Connecting \ Expertise





an organised group of people with a particular purpose, such as a business or government department.







Organising for effective software delivery





HR as the accidental architect





Conway's Law

Any organization that designs a system (defined broadly) will produce a design whose structure is a copy of the organization's communication structure











Michael Nygard













Fulfillment of an order

website

ordering system



warehouse management system



Fulfillment of an order













What do we mean with complexity?

"The phenomena which emerge from a collection of interacting objects"

Organisations

Organisational Structure, Power lines, Legal structure

Technology

Process approvals, hand-overs, regulations

Culture

Norms & Values, Organisational Fear, Autocracy, Meritocracy/Democracy

Software

Architectural patterns, technological constraints



Xebia



"The complexity of software is an essential property, not an accidental one. Hence, descriptions of a software entity that abstracts away its complexity often abstracts away its essence."

Fred Brooks



Design to remove accidental complexity





What is a product?













What is a product?

Catalog



Logistics



Returns







Big Picture EventStorming

And Automatic

346.9

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8



Reservations















Customer service

Finance team

Logistical team

Getting insight on the delivery of my order

Fulfillment of an order

Part of the website

fulfillment system



Fulfilment team





Cognitive load





Dunbar's Number







Big Picture EventStorming

Context Mapping

Software Model



Inverse Conway Manoeuvre





Organisational Sensing





Recap & Takeaways

- Team assignments are the first draft of your software architecture
- Use language and business process to define natural boundaries
- Design your organisation to remove accidental complexity
- Use cognitive load, Dunbar's number and context switching to design an organisation team-first.
- Introduction to Domain-Driven Design training
- Hands-On EventStorming session this Friday at the Webinar Week







https://pages.xebia.com/en/design-effective-software-delivery-organisation



