

Org Design with Team Topologies and unFIX

INOG



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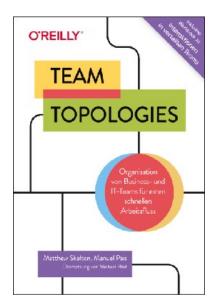
LinkedIn: https://www.linkedin.com/in/michael-ploed/

Current consulting topics:

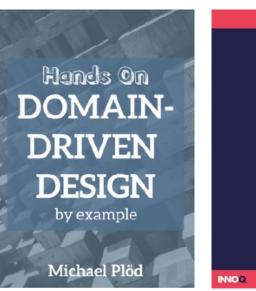
- Domain-Driven Design
- Team Topologies
- Transformation from IT Delivery to digital product orgs

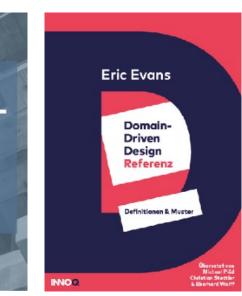
Regular speaker at (inter-)national conferences and author of books + various articles

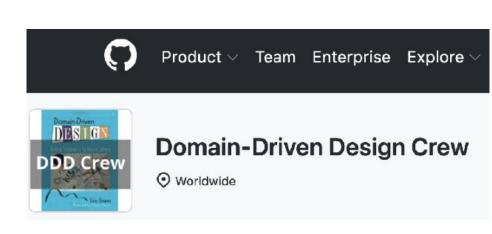












"Every company needs an organization that changes as quickly as its business does.

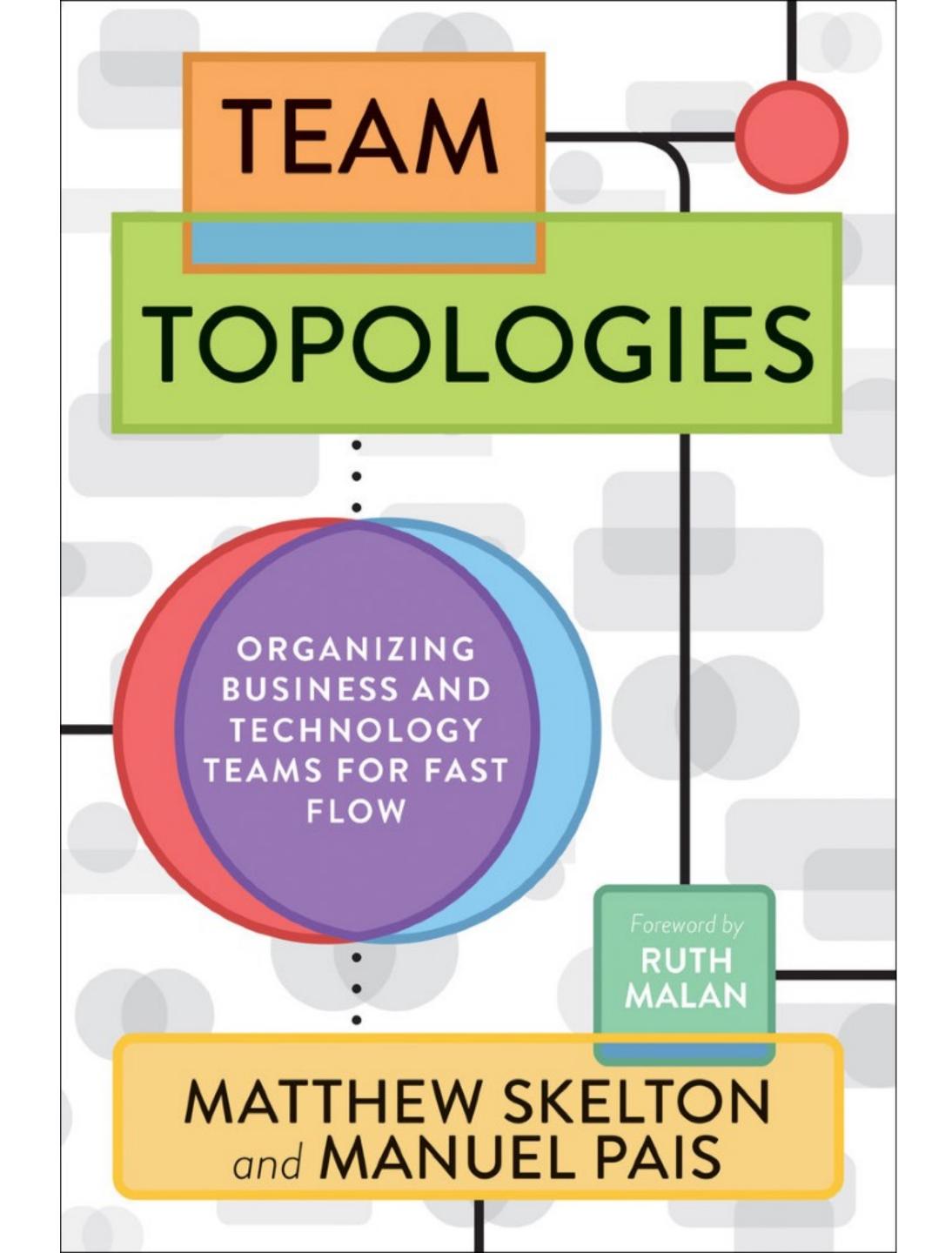
Otherwise it is falling behind.

If change is constant, why not design organizations to be constantly and quickly changeable?"



Jay R. Galbraith

Author of "Designing Organizations"

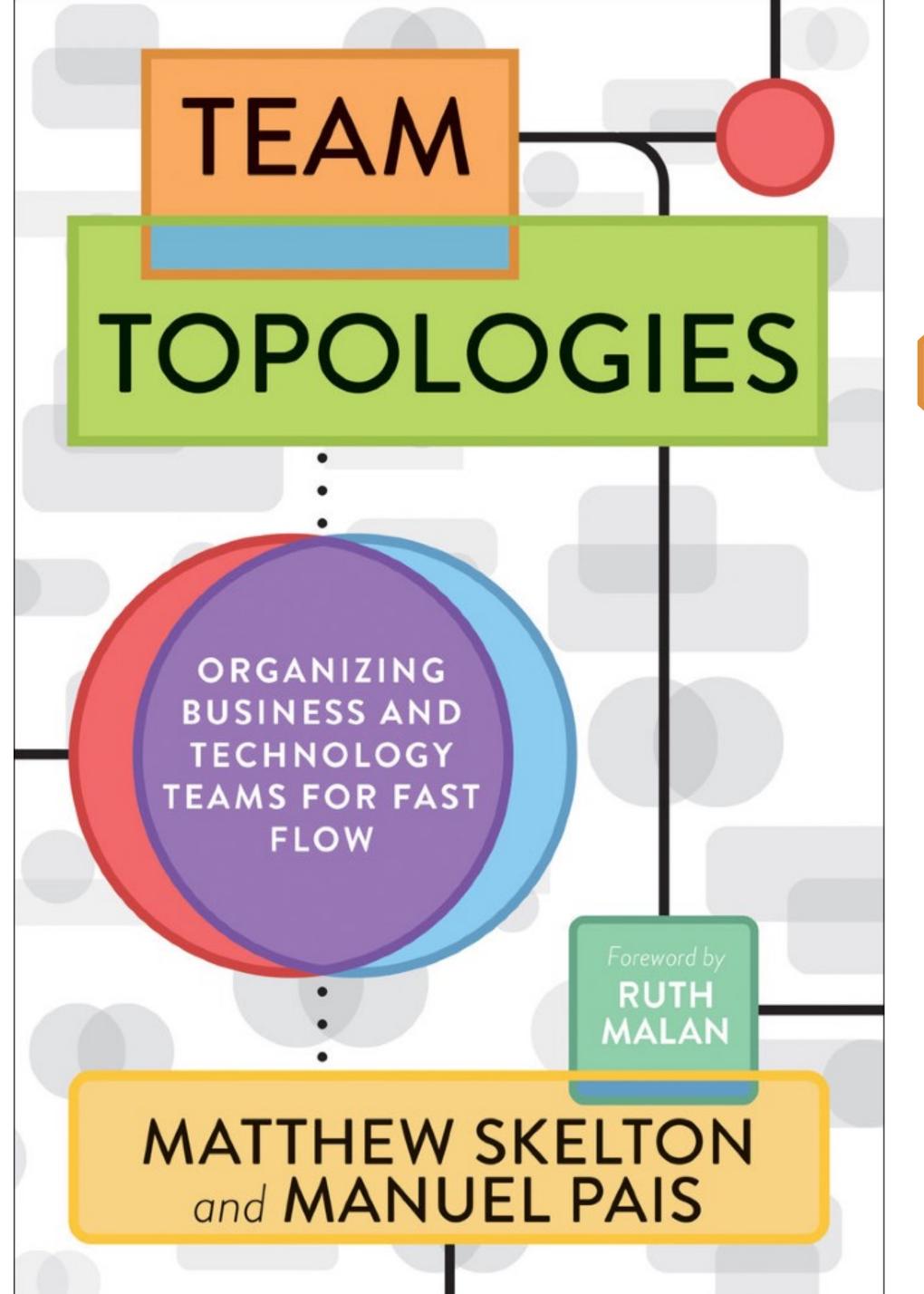


"An architect should be thinking:

Which team interaction modes are appropriate for these two teams?

What kind of communication do we need between these two parts of the system, between these two these two teams?"





Fundamental Team Topologies



Enabling

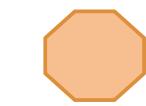
Platform

Stream-aligned

Stream-aligned Team

- Tailored to a business area or organizational capability (Bounded Context)
- Is intended to create customer value quickly, safely and autonomously without having to delegate parts of the work to other teams.

Complicated Subsystem Team



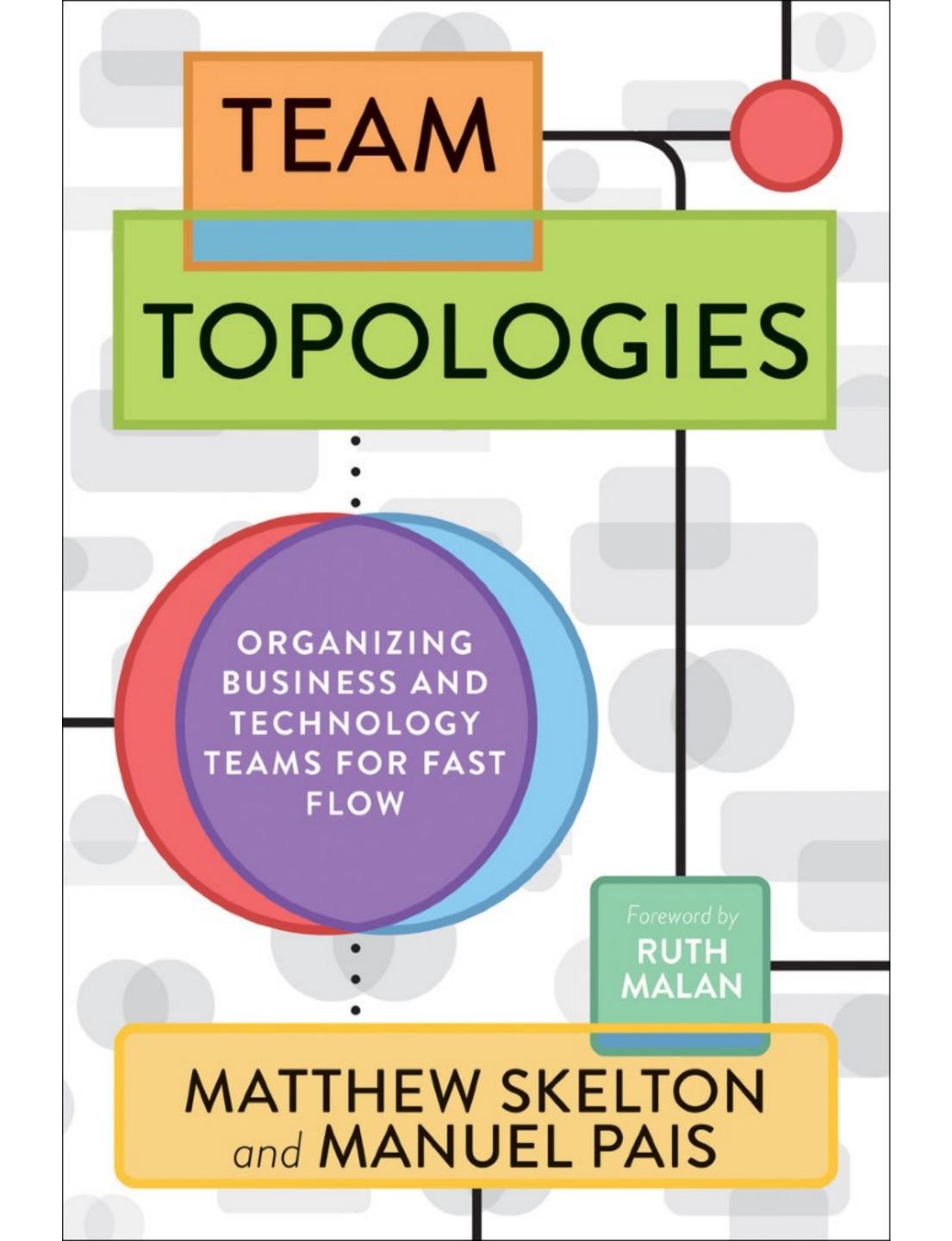
- Responsible for building and maintaining a part of the system that is highly dependent on specialist expertise
- Team manages the complexity of the subsystem using specific skills and expertise that are usually difficult to find or recruit.

Platform Team

- Should give stream-aligned teams the possibility to do their work with a high degree of autonomy,
- Platform provides self-service APIs, tools and services as an internal product

Enabling Team

- Work alongside the stream-aligned teams and support them in the area of knowledge building and empowerment.
- Have a strong collaborative nature and strive to understand the problems and shortcomings of the other teams
- Inhouse consulting team



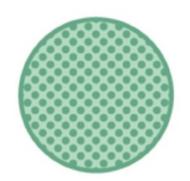
Team Interaction Modes



Collaboration

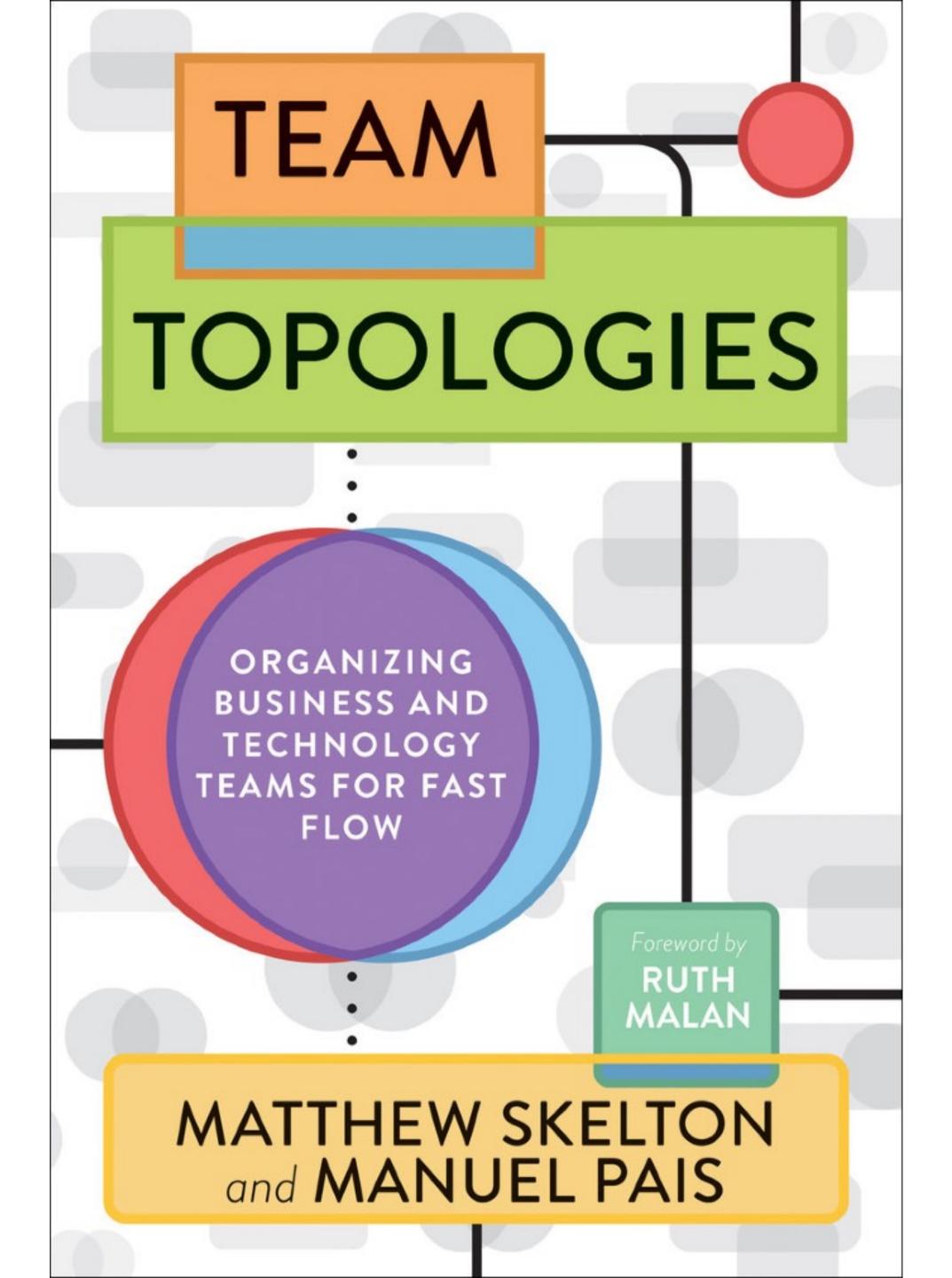


X-as-a-Service



Facilitating

Image taken from the Team Topologies book



Team Interaction Modes

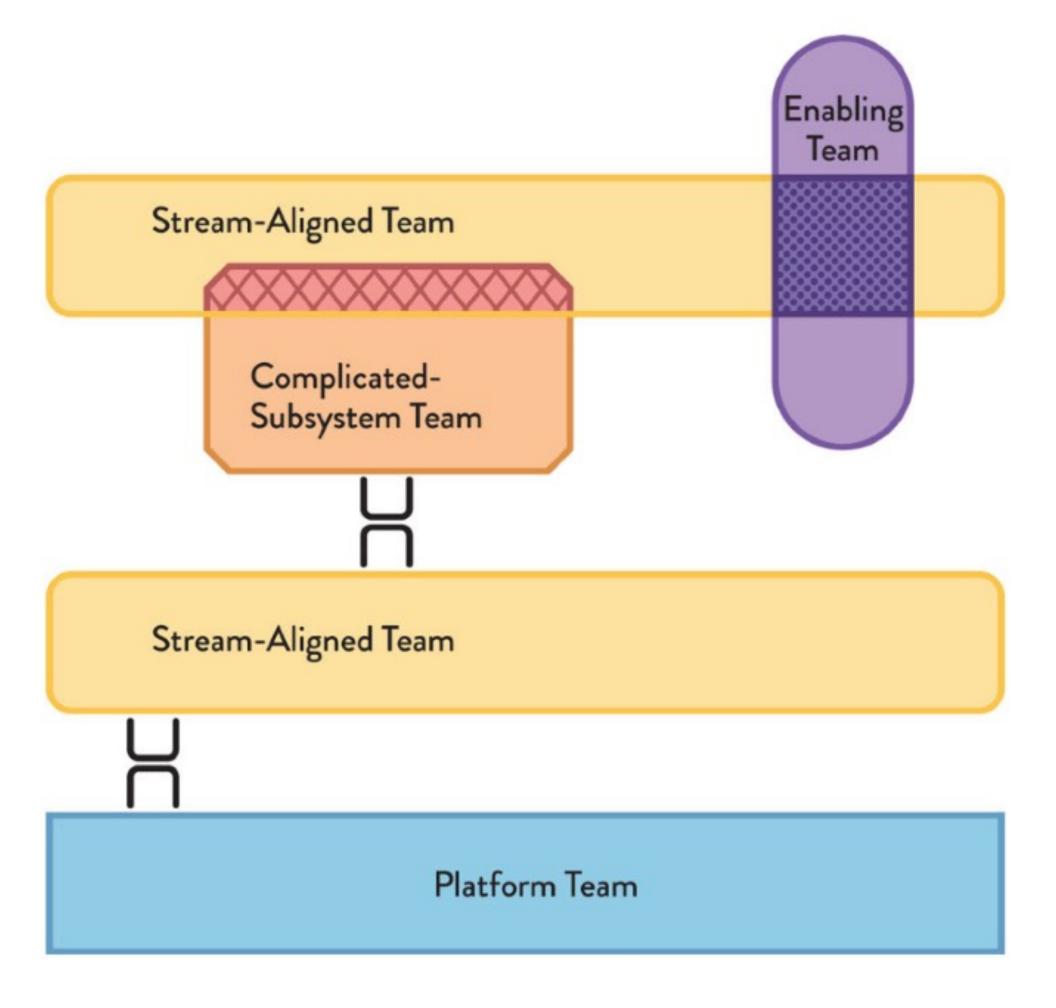


Image taken from the Team Topologies book

We need boundaries for teams, how do we identify them?

"Provocative and fascinating." — MALCOLM GLADWELL

Daniel H. Pink

author of A Whole New Mind



The Surprising Truth
About What Motivates Us

Autonomy

Teams are loosely coupled organizational wise and cross-team coordination is reduced

Mastery

Members of a team can master and learn the complexity of their domain

Purpose

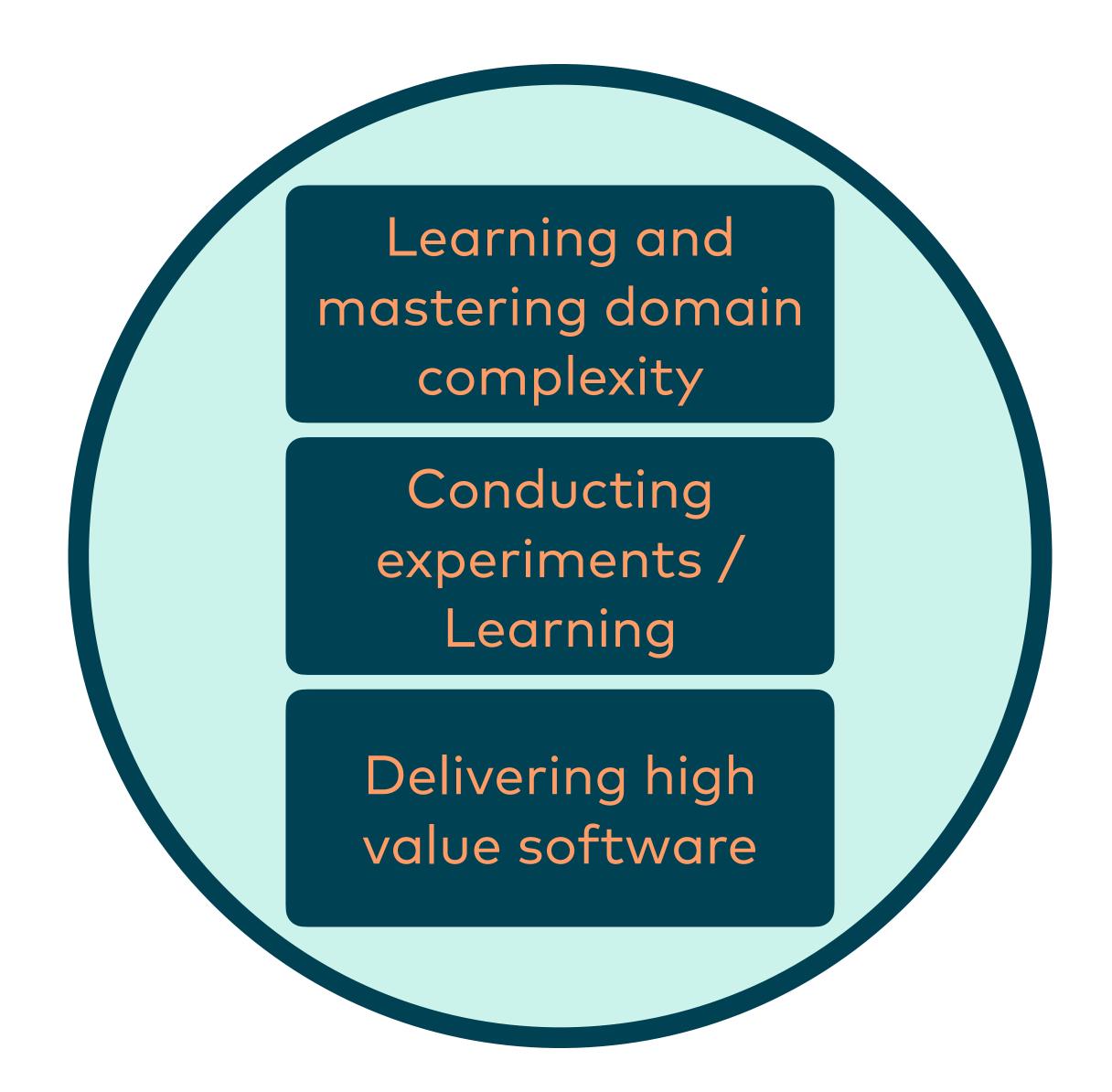
Each domain of a team has a clear purpose which can be described and which has clear boundaries

We need good boundaries in which teams can achieve

Autonomy - Mastery - Purpose

Mind the COGNITIVE LOAD

of the teams.
We need a
boundary for
this!



Business Domain Bounded Context Regulatory Compliance Change Cadence Team Fracture Team Location Boundaries for Planes Risk fast flow Performance Isolation Technology User Personas

Business Domain Bounded Context

Regulatory Compliance

Change Cadence

Team Location

Risk

Performance Isolation

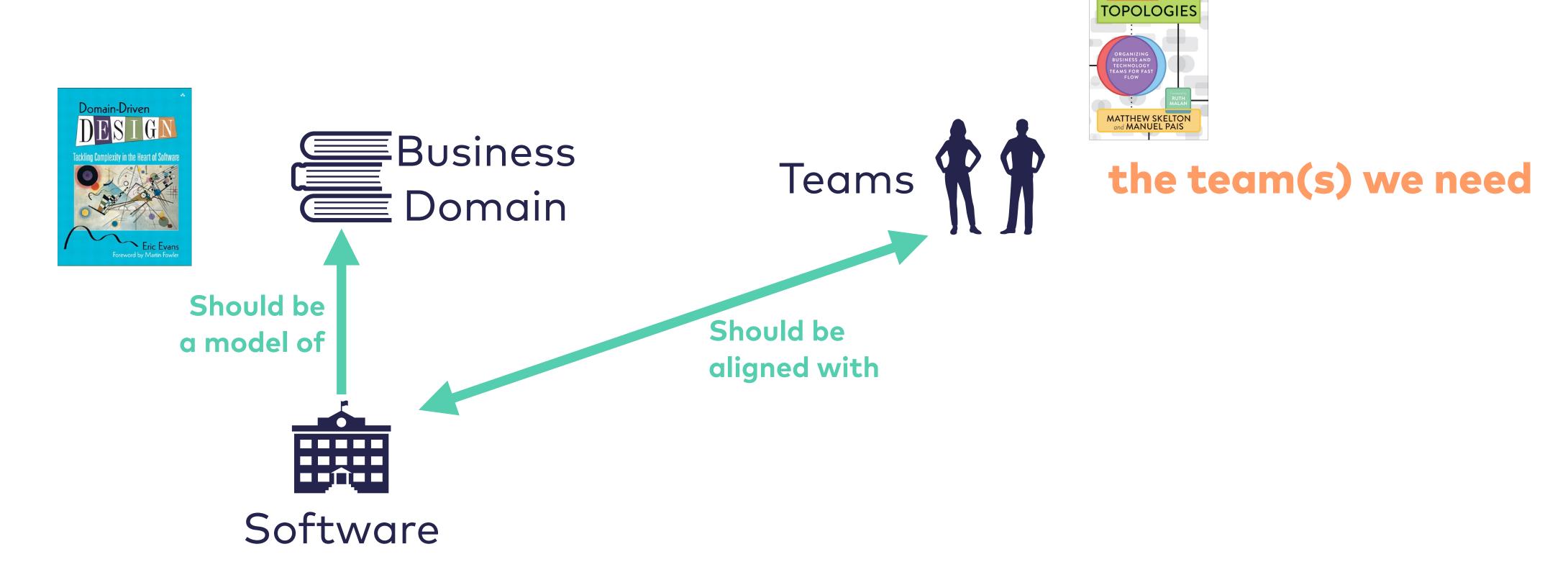
Technology

User Personas

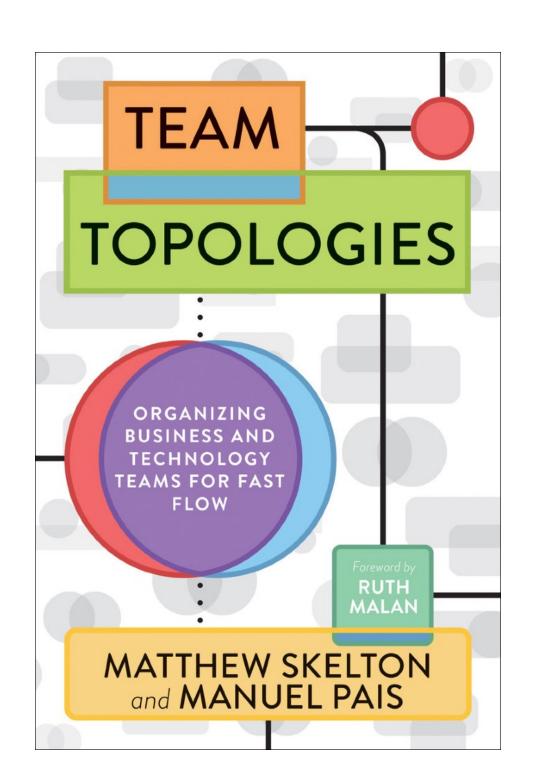
Team
Boundaries
for
fast flow

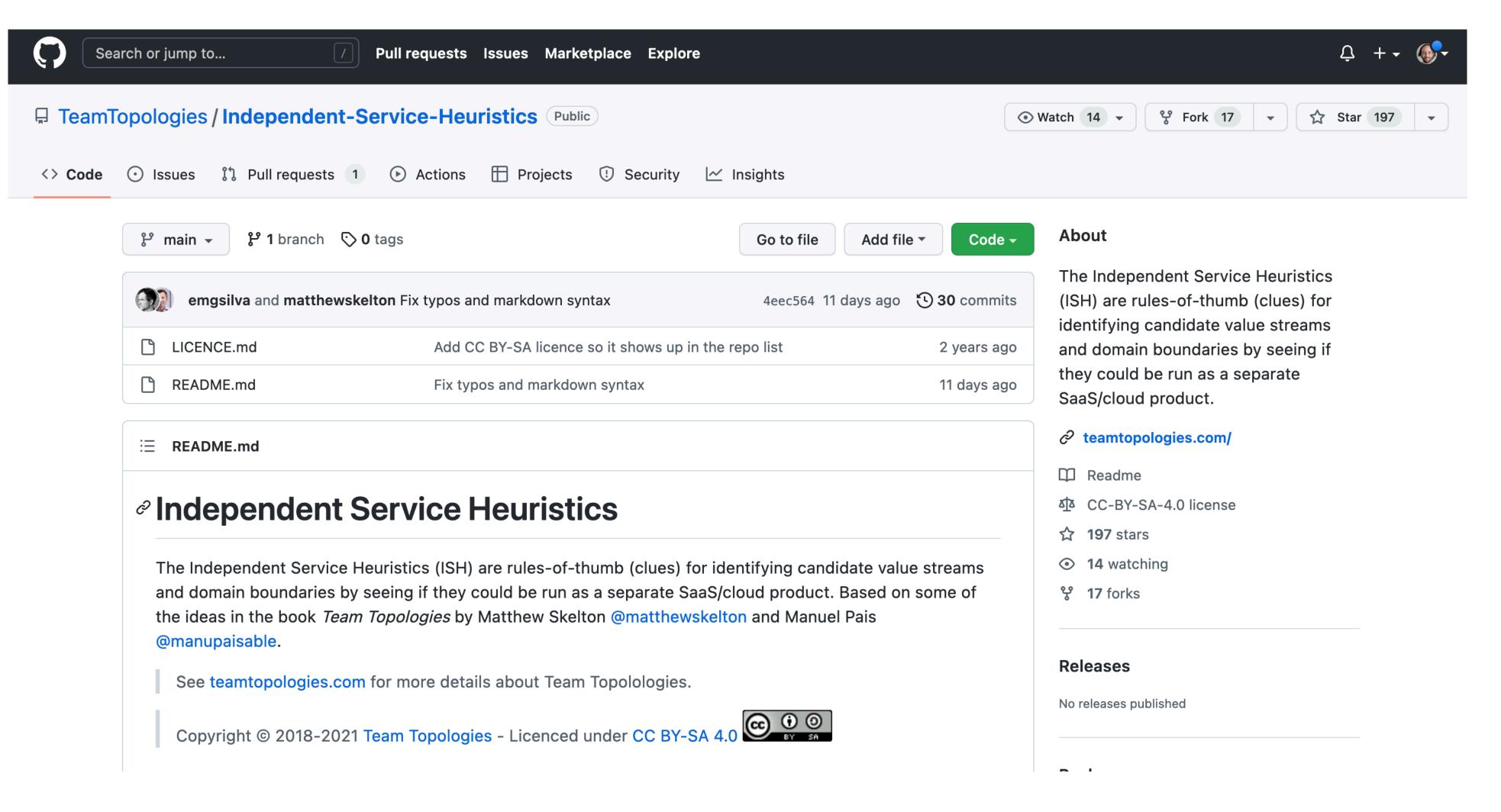
Fracture Planes

The basic idea:



the architecture we want

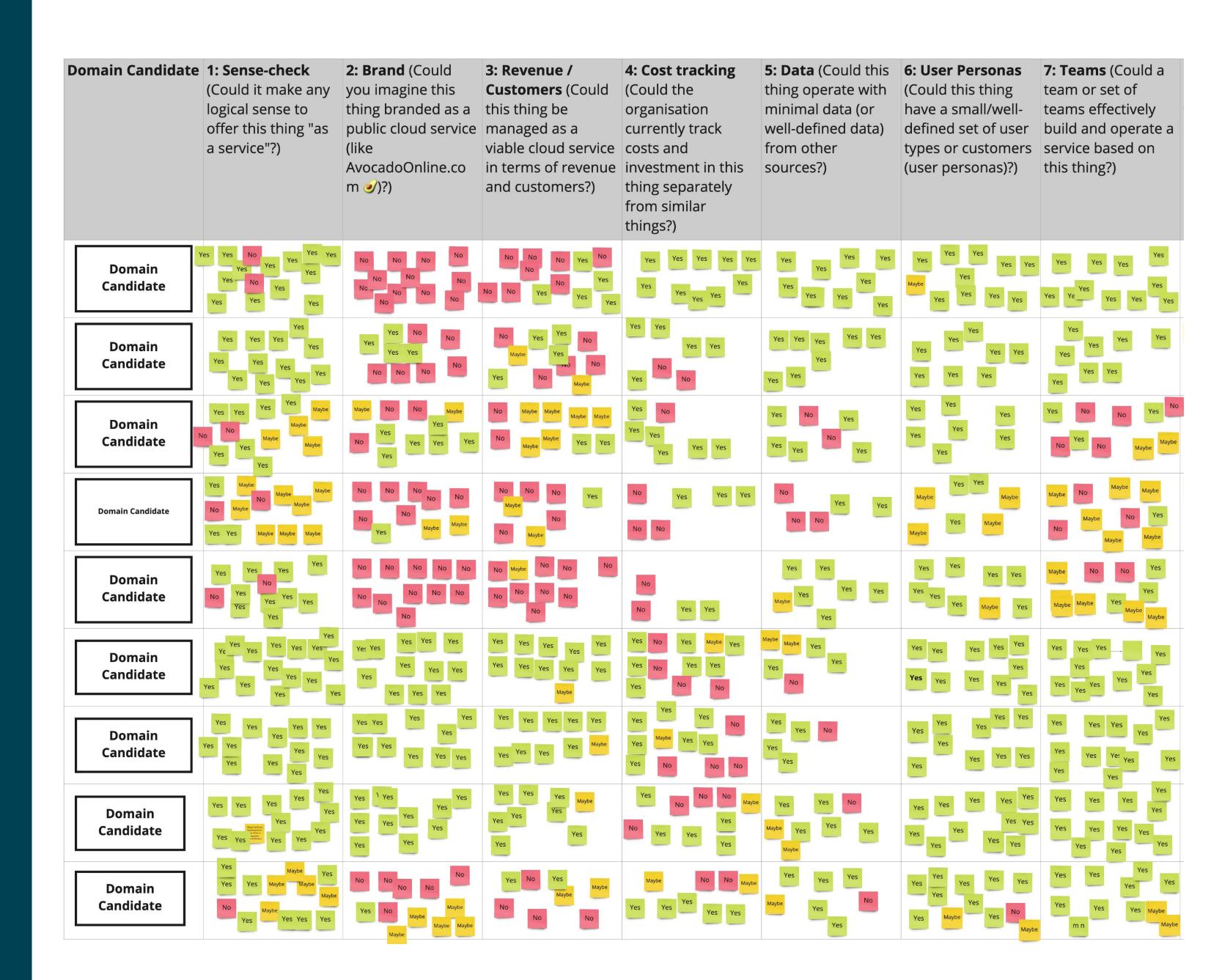




https://github.com/TeamTopologies/Independent-Service-Heuristics

Independent Service Heuristics

Everyone in a workshop answers the questions with yes / no / maybe and we will discover patterns



Team Topologies Mini-Book

This Mini-Book includes an article on the topic of this presentation written by me. Other authors are:

- Susanne Kaiser
- Alberto Brandolini
- Michael Plöd
- Nick Tune
- Rich Allen and Matthew Skelton



Link: https://landing.teamtopologies.com/mini-book-ddd-tt

MINI-BOOK MB81 - v1 MAR 2023

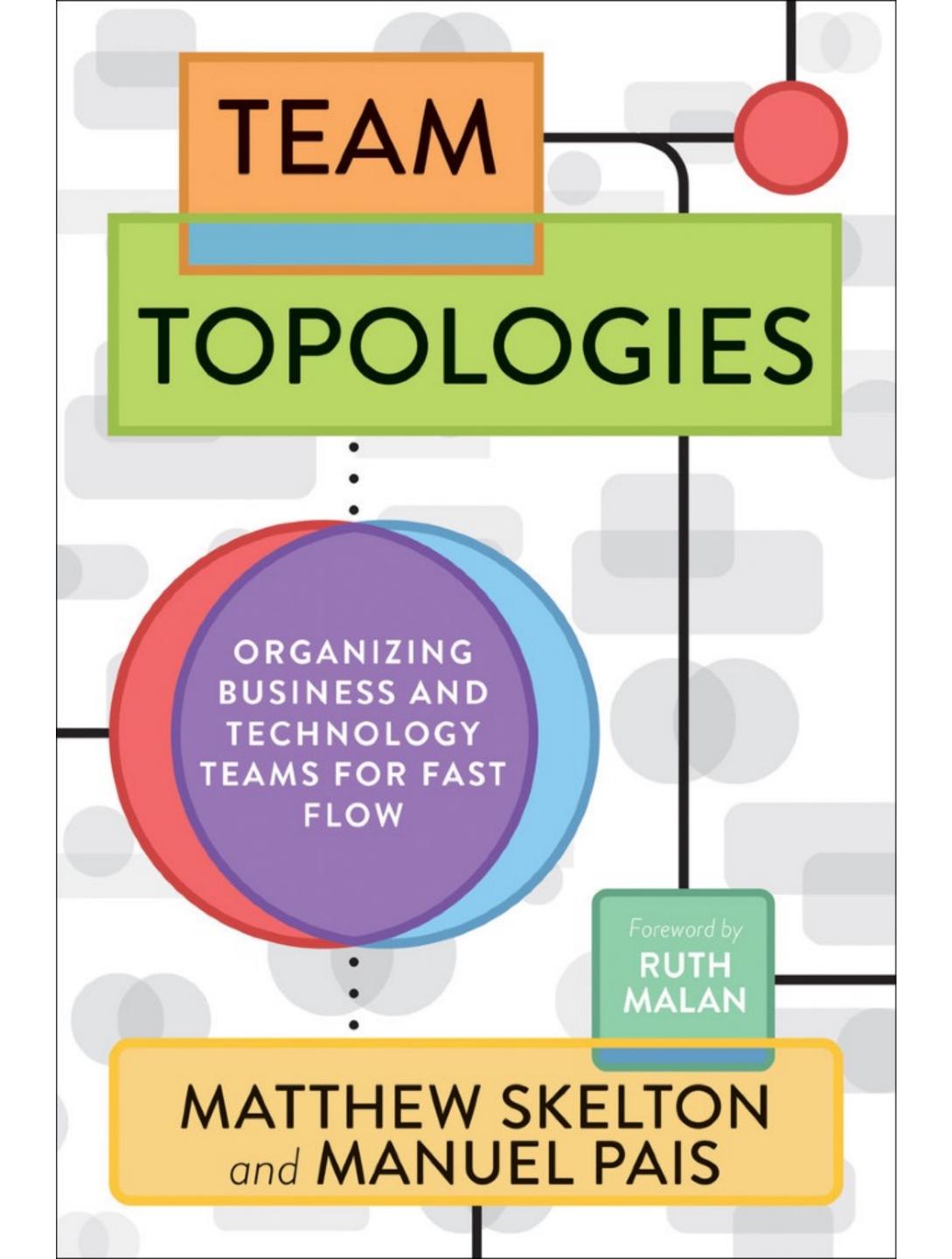


FINDING SOFTWARE BOUNDARIES FOR FAST FLOW

Team Topologies and Domain-Driven Design

Team-sized software
Team-first tools and skills
Curated team interactions

Key industry insights in 5 articles



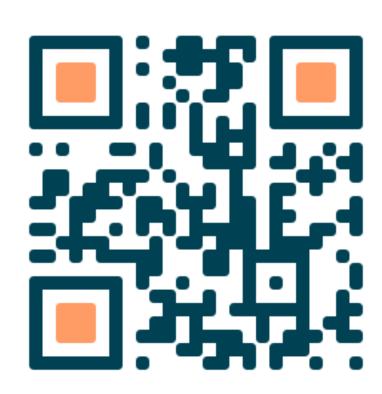
IMPORTANT

Team Topologies is an evolutionary approach to org design

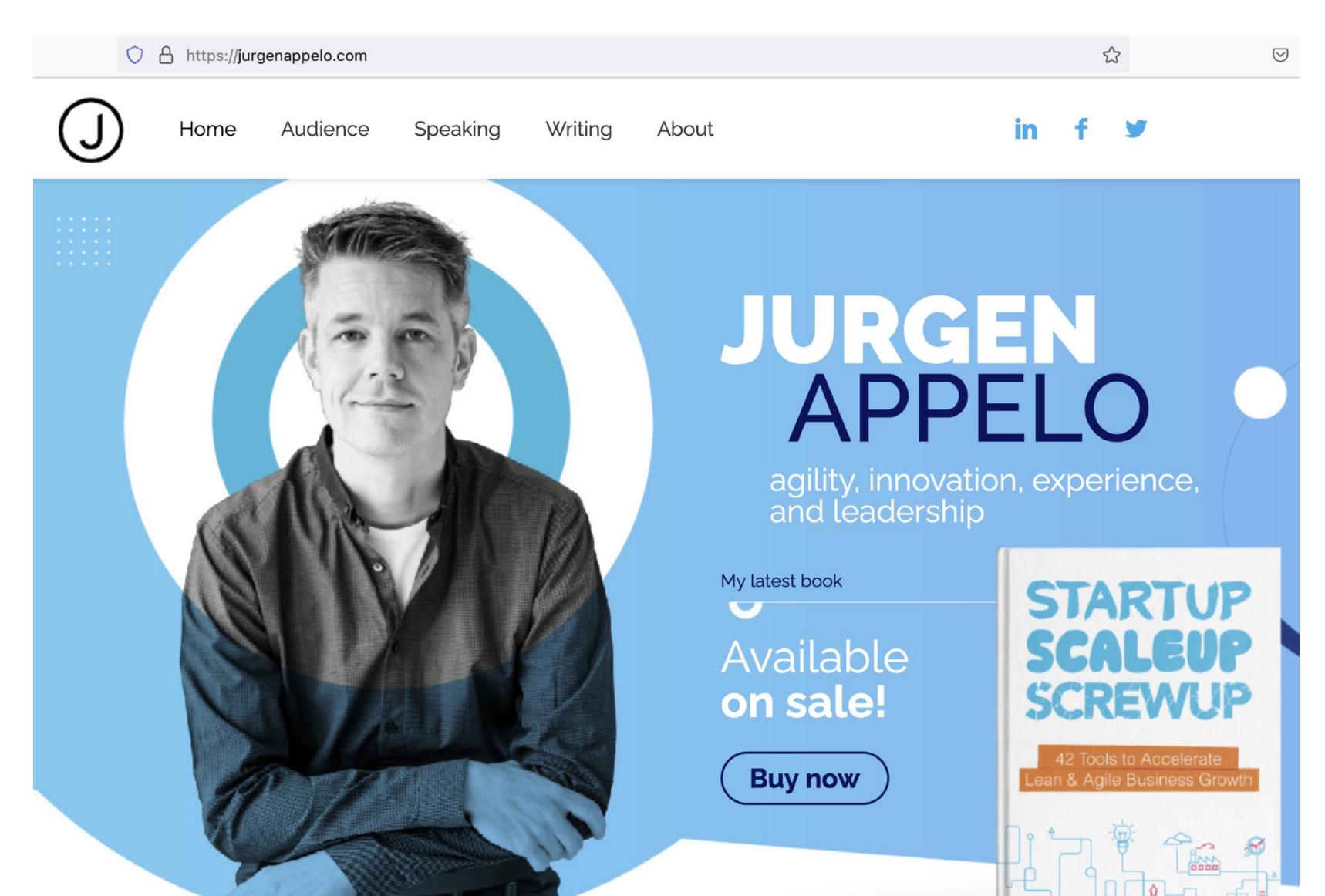


A pattern and model collection for versatile organizational design

https://unfix.com

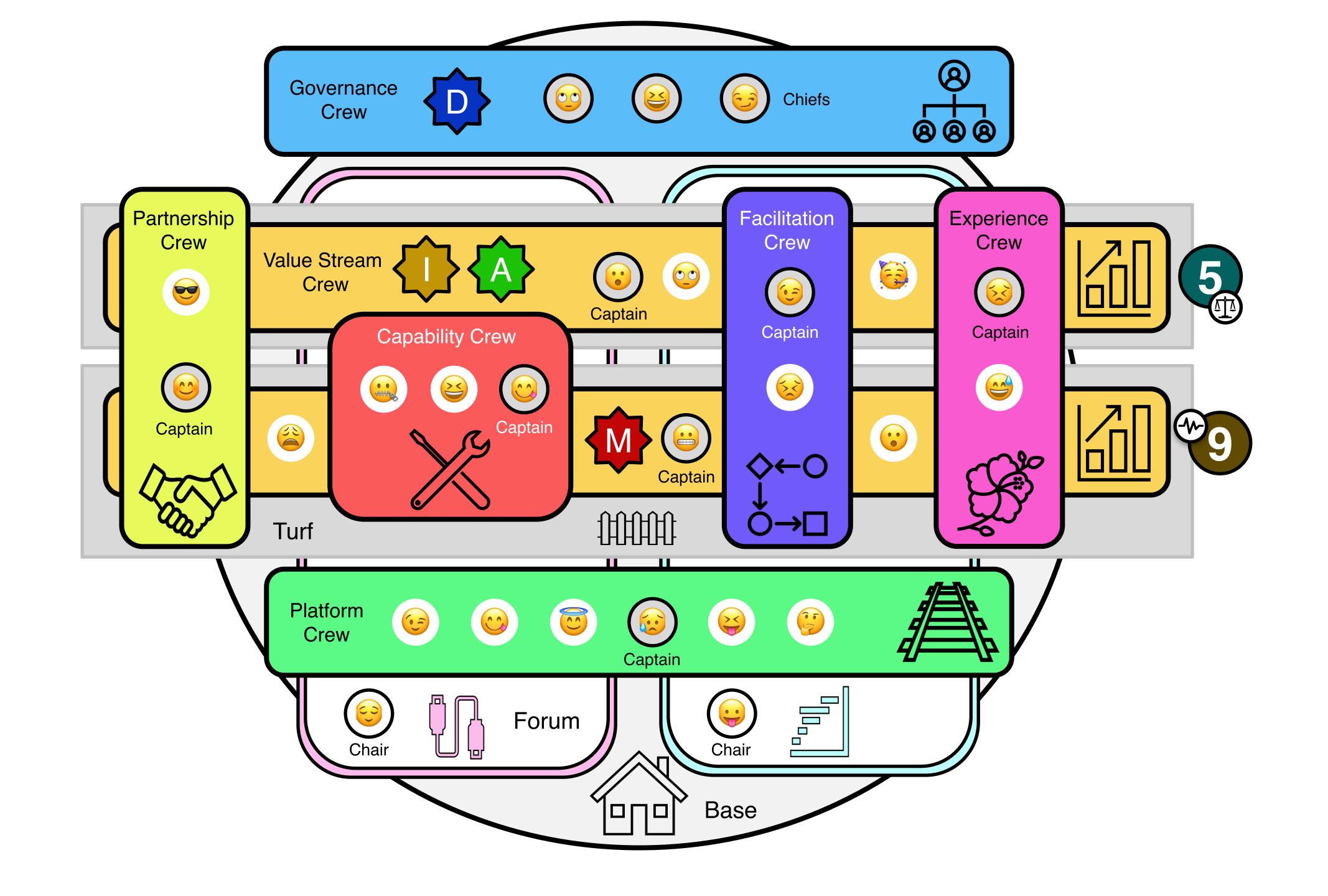


Invented by Jurgen Appelo



In the following slides I will use visualizations from the unFIX website in order to maintain a visual cohesiveness

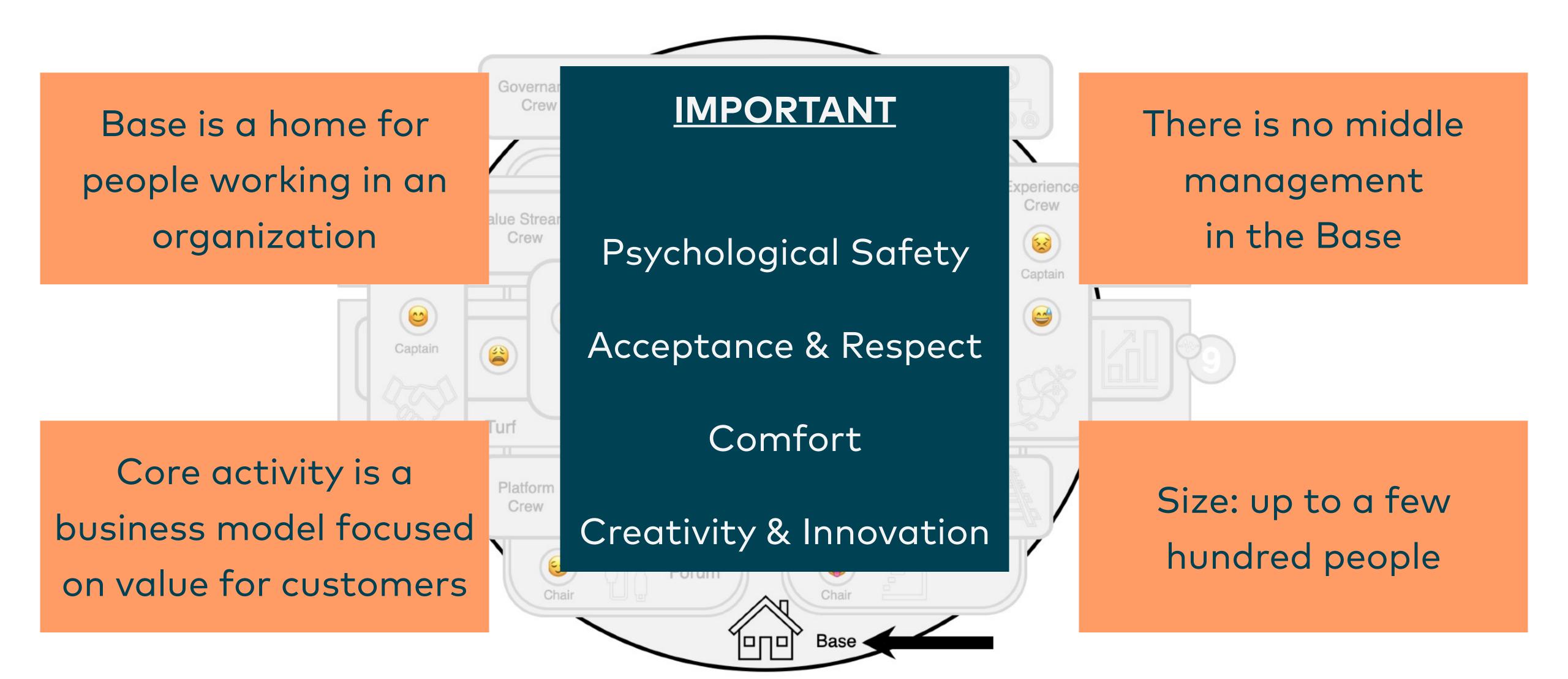
From here on:
every slide is heavily quoting
https://unfix.com



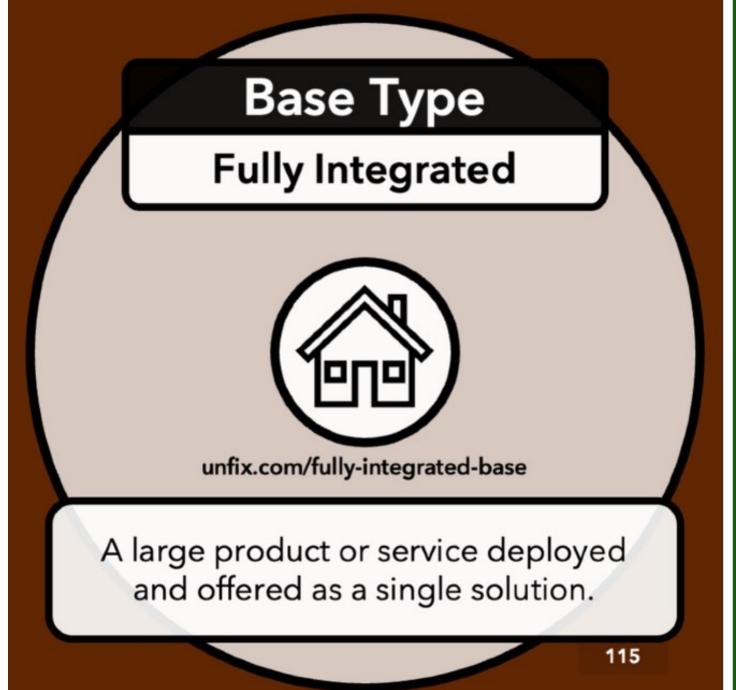
Key concepts in unFIX are

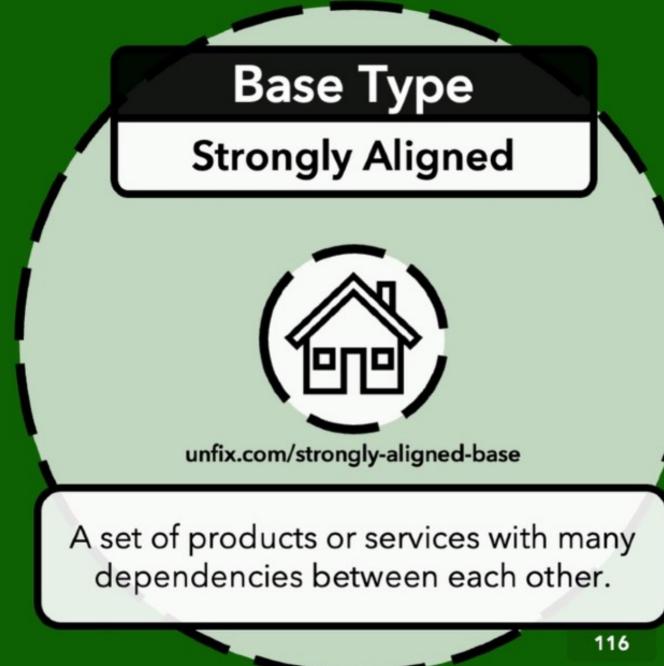
Team of 3-7 people Team members mostly work for their crew but may Crews participate in forums There are 7 kinds of crews Group consisting of people from various Crew Key Forums Primary purpose is for like-minded workers to get concepts together, talk, and make decisions together All Crews operate from a Base of between a handful to a few hundred people. Base See the base as a home for every person where they belong with a sense of purpose and recognition

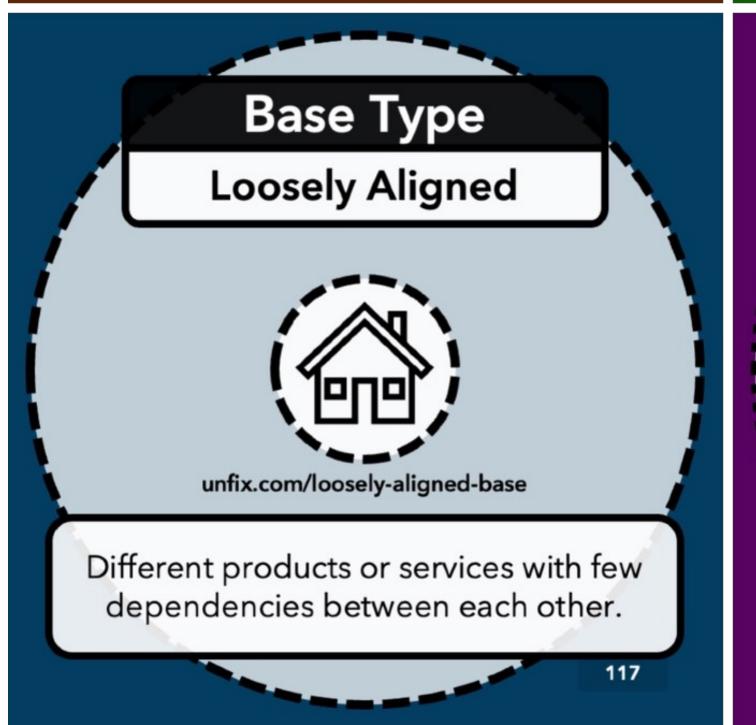
Base: home is where the heart is

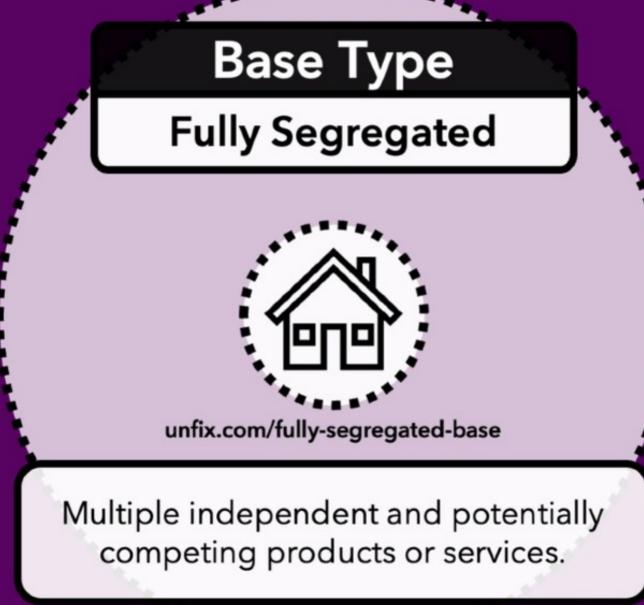


There are four Base Types



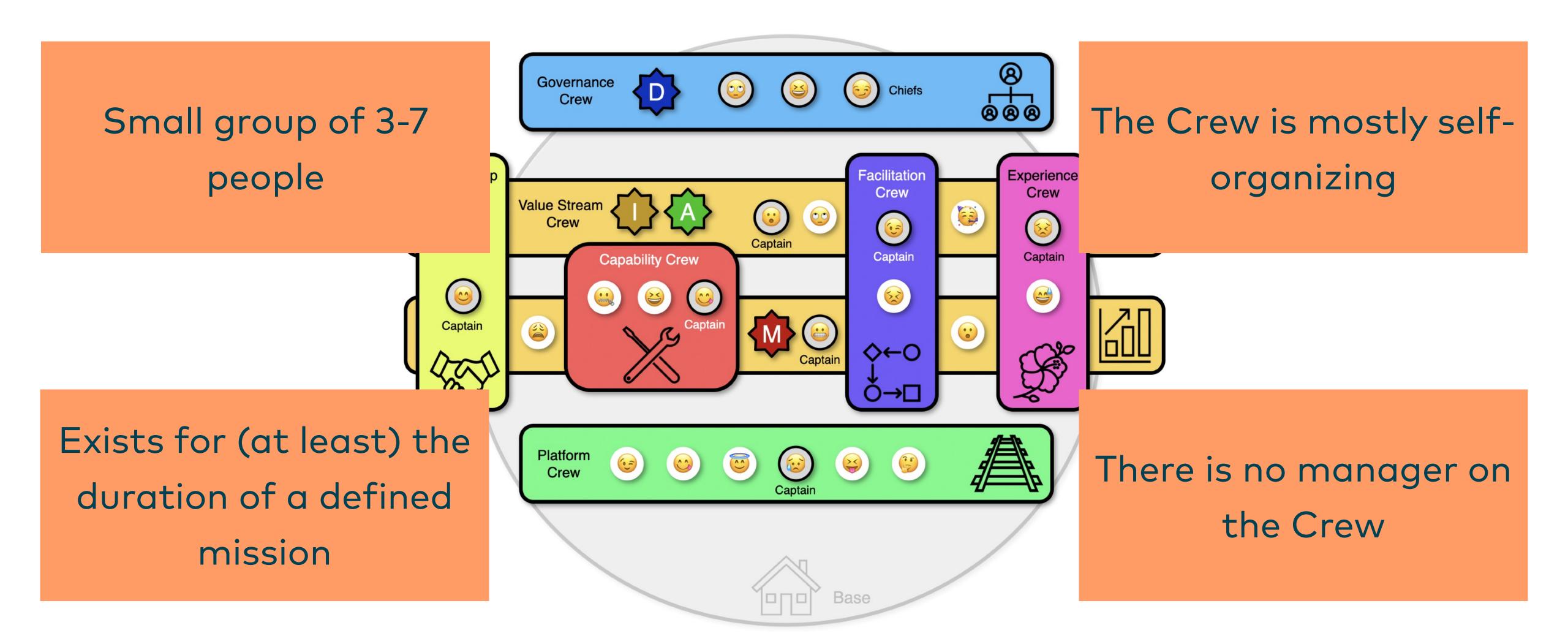






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Crews aka Team, Squad, Cell, Pod



Value Stream Crew



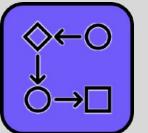
Platform Crew



Capability Crew



Facilitation Crew



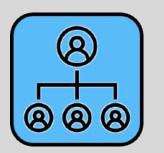
Experience Crew



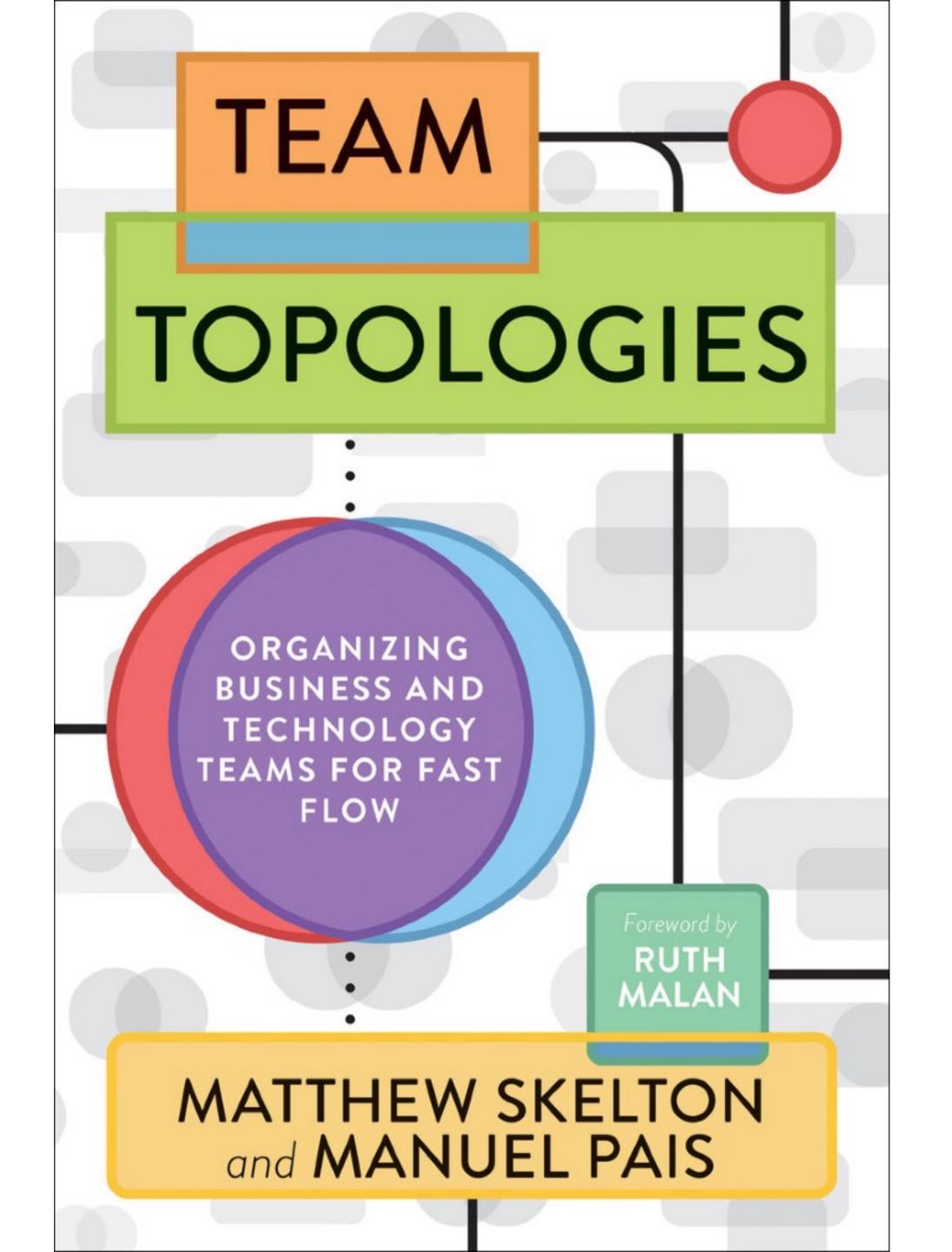
Partnership Crew



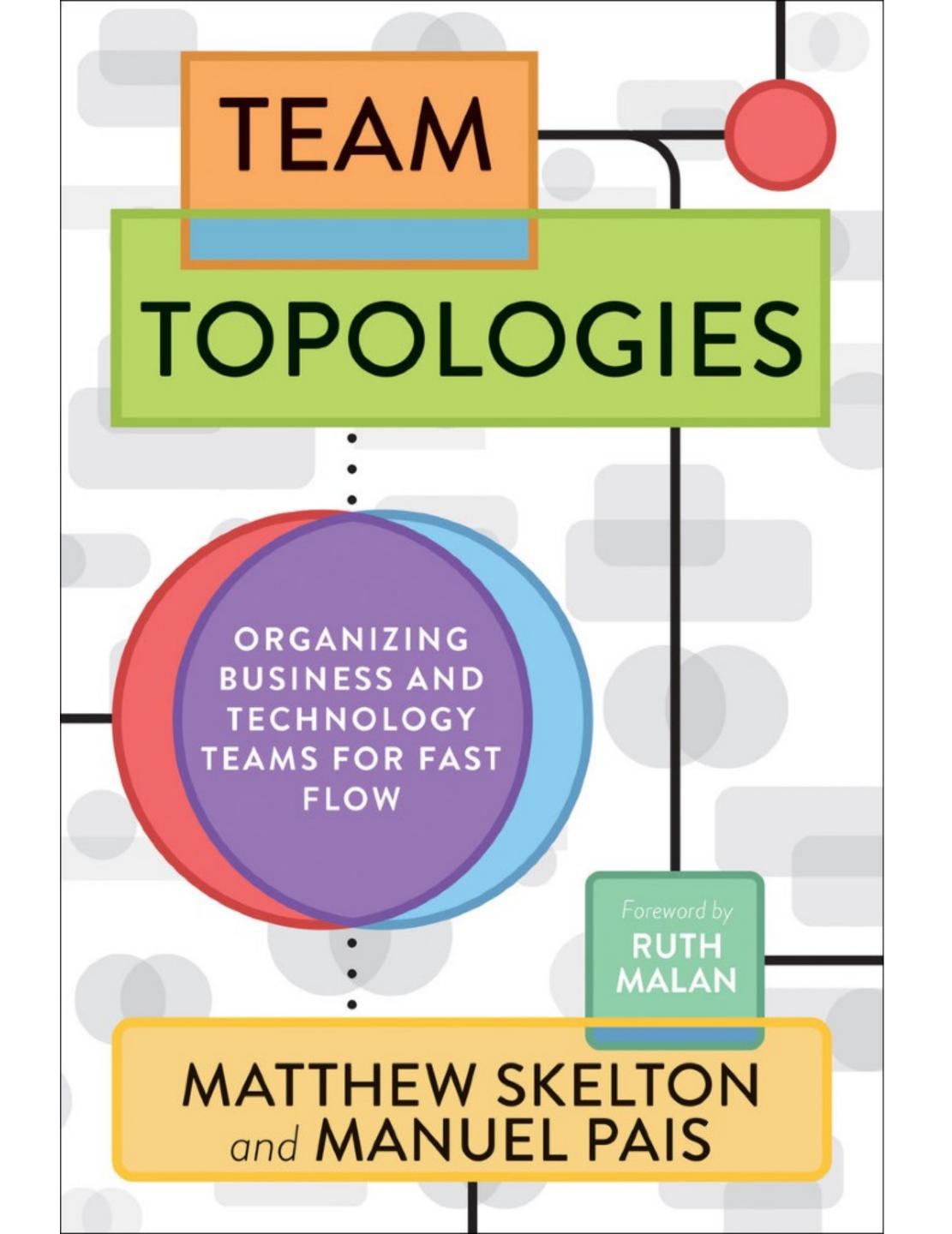
Governance Crew

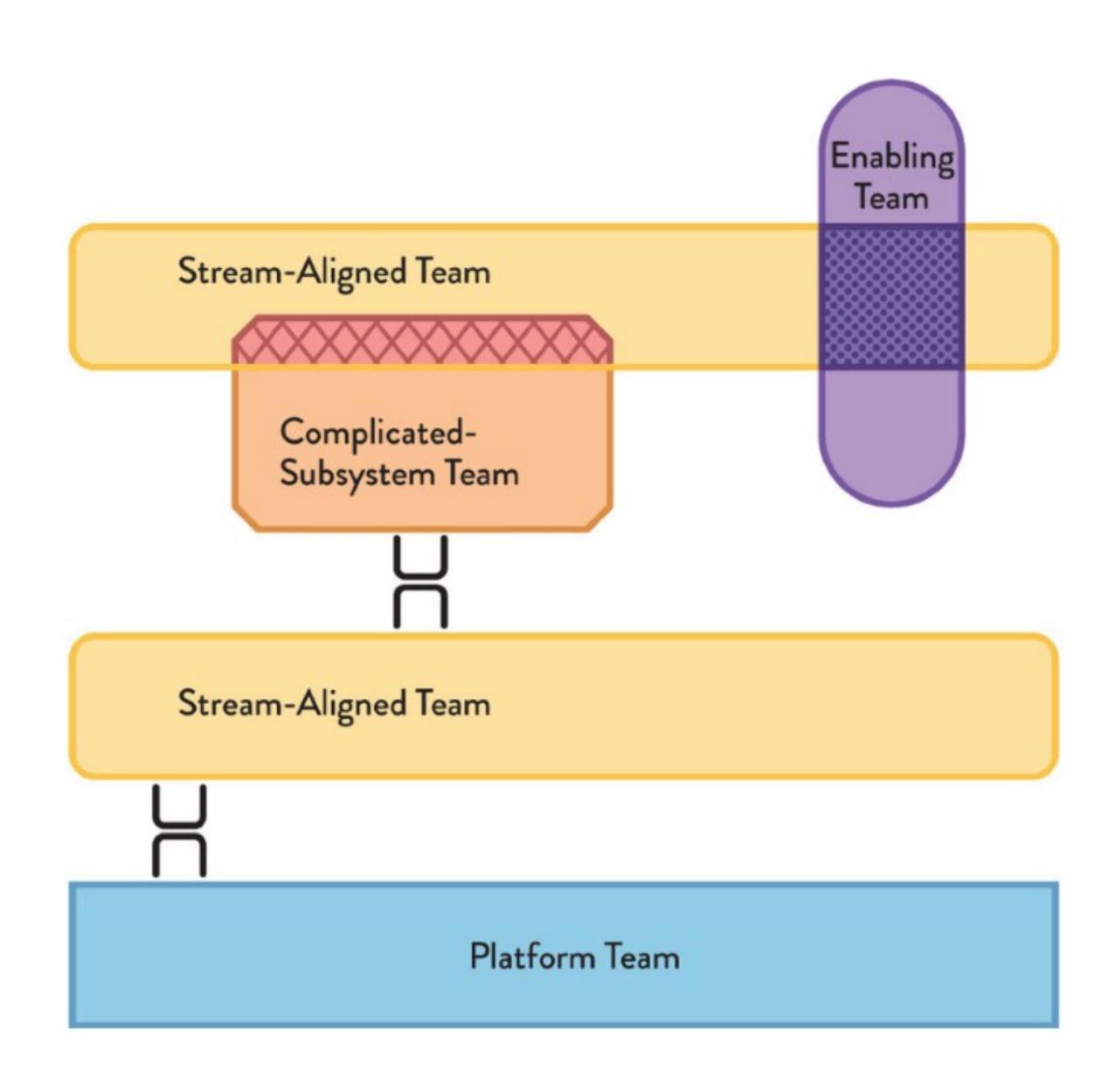


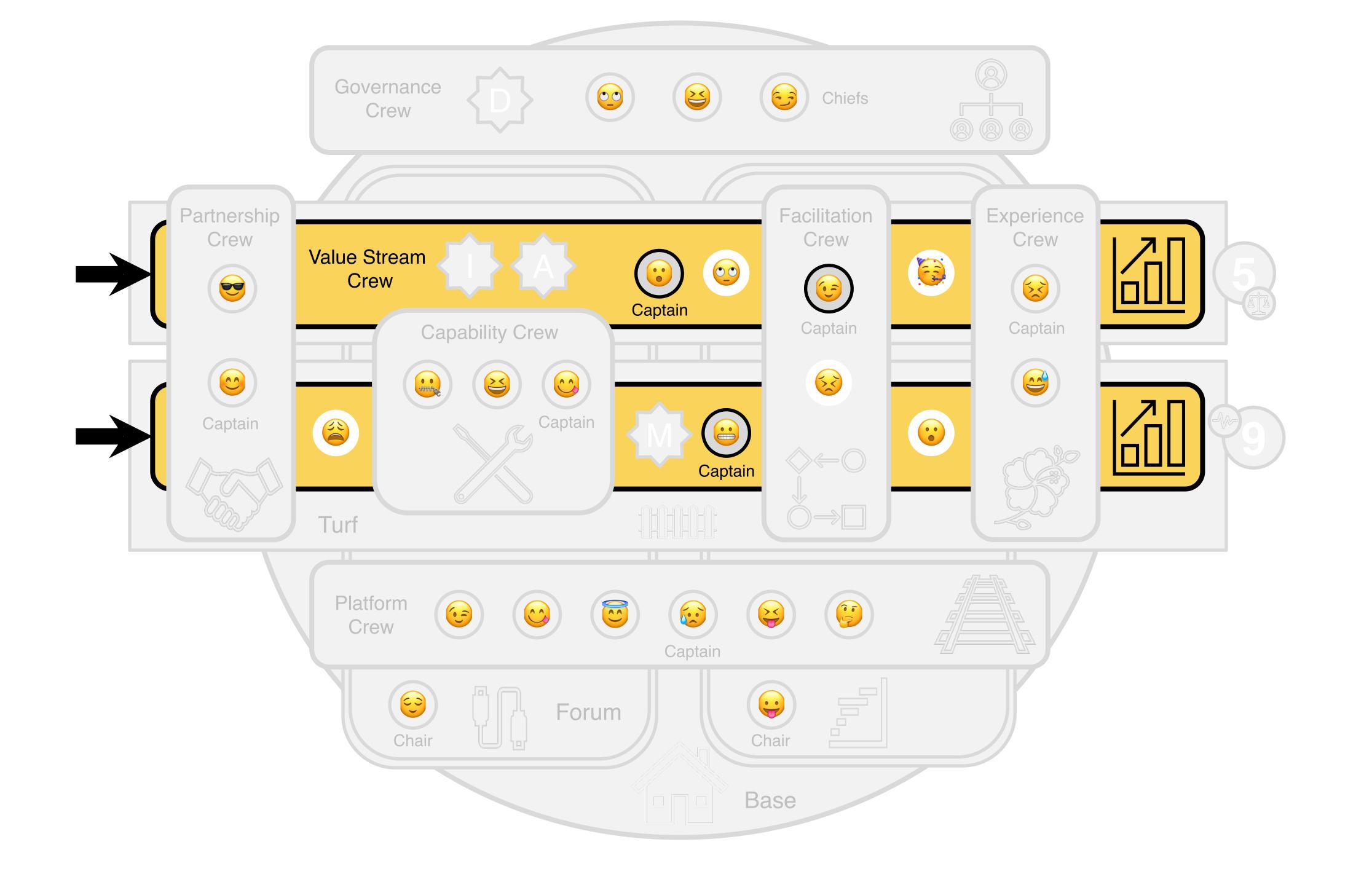




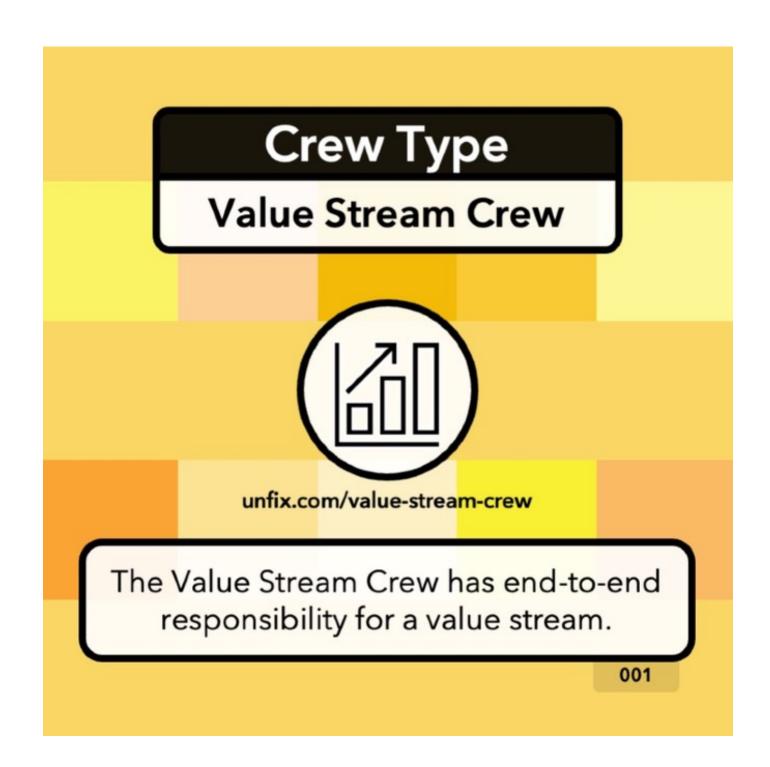
Some Crew types are inspired by Team Topologies





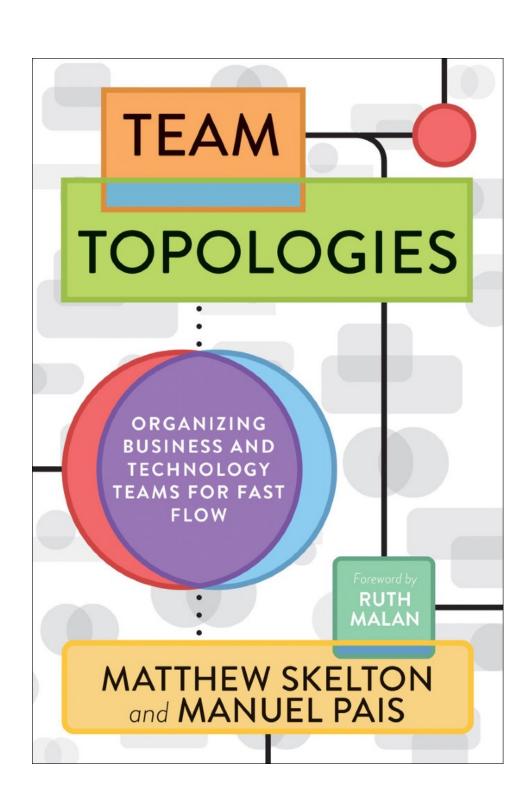


The same as

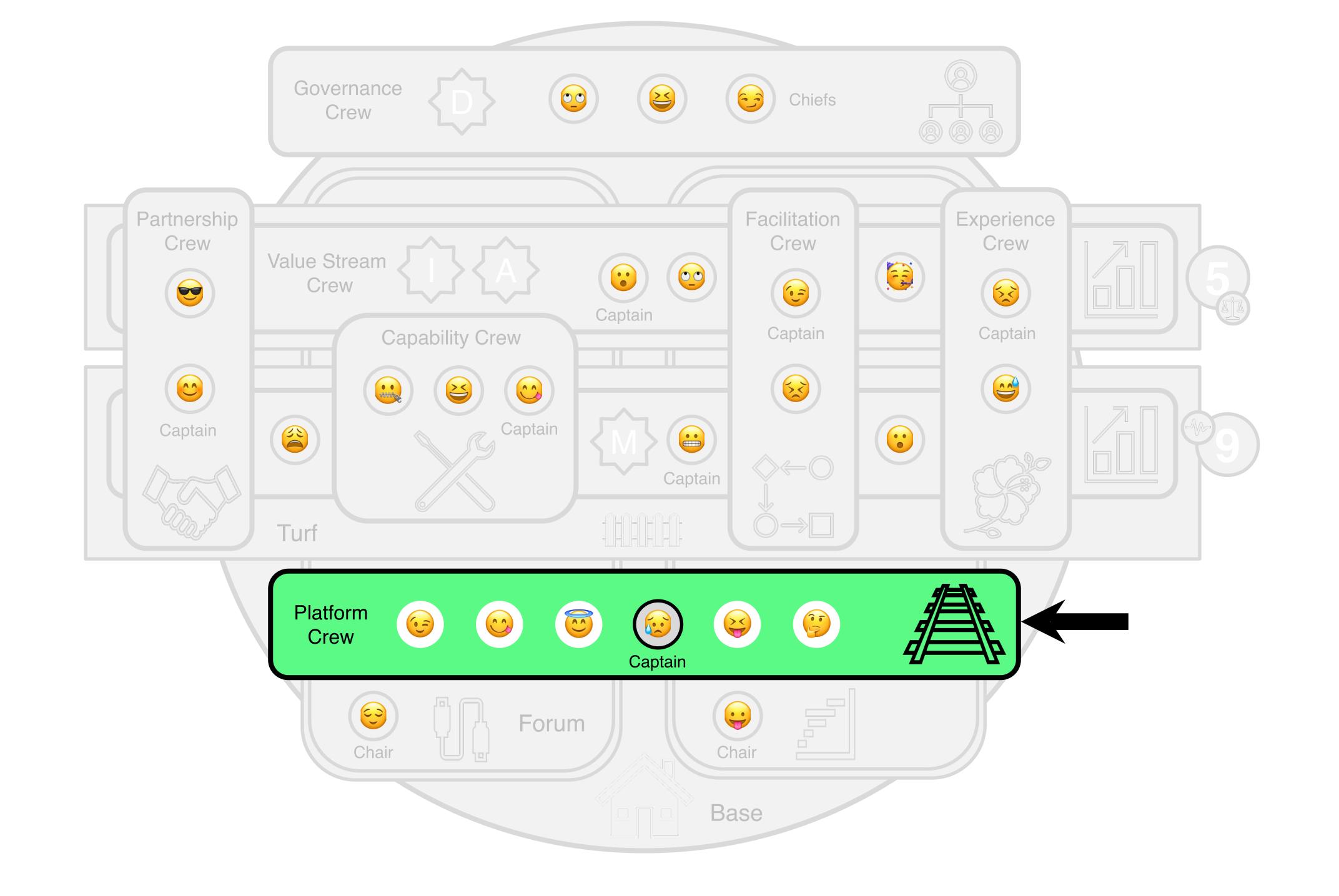


Value Stream Crew

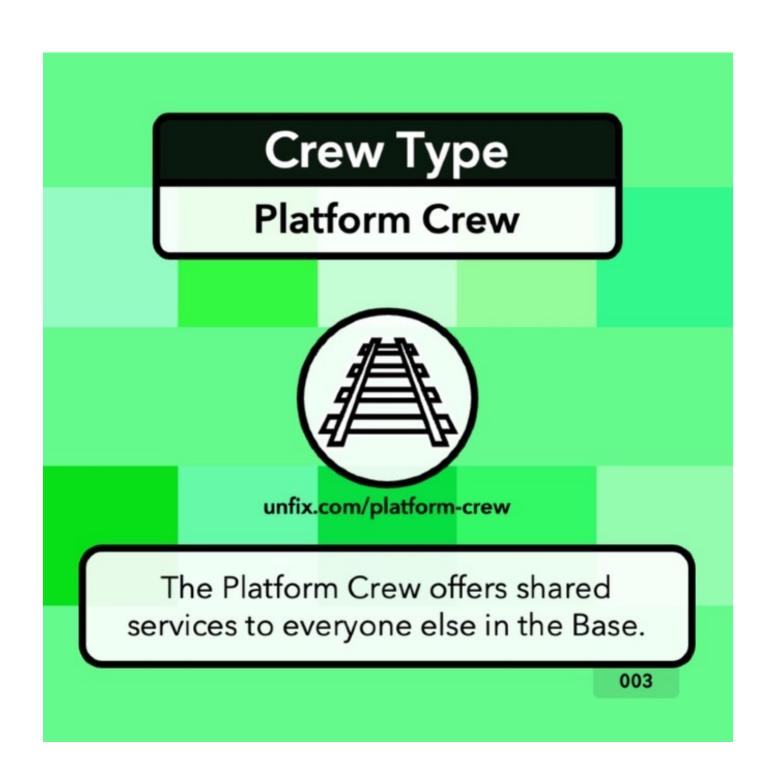




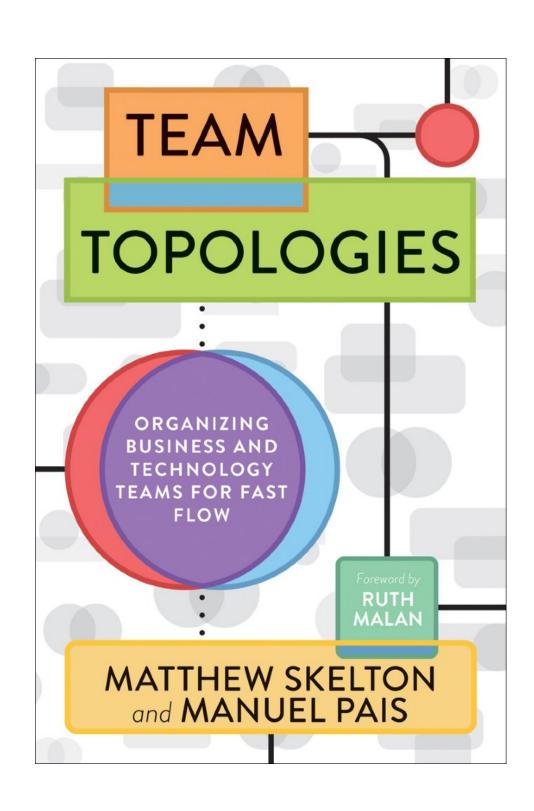
Stream-aligned Team



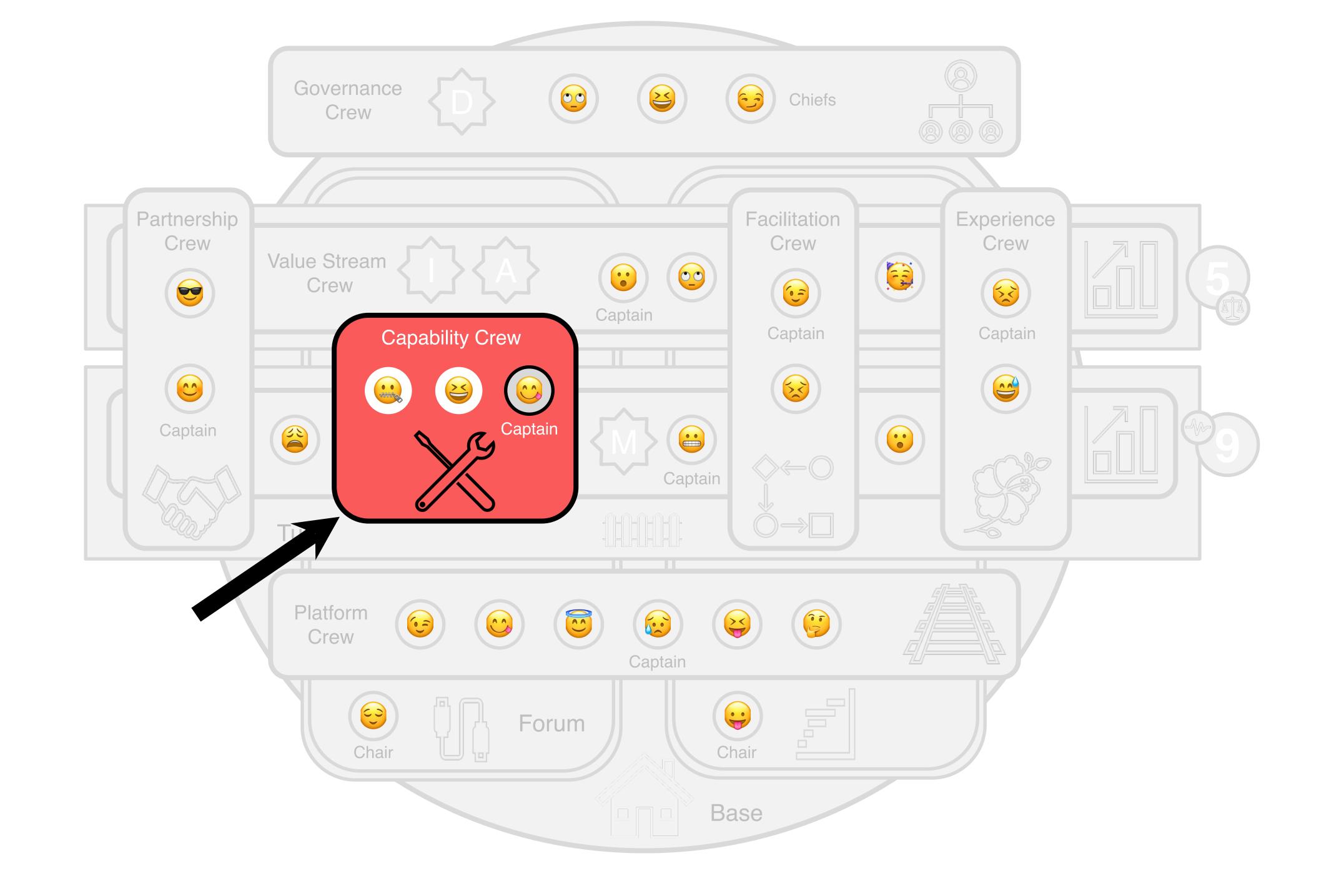
Inspired by (but NOT the same as)







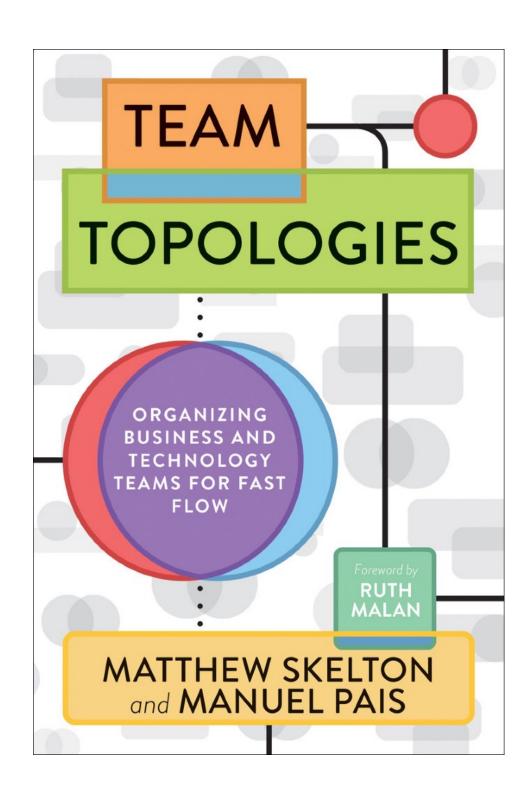
Platform Team

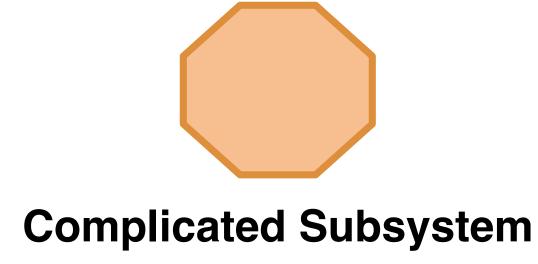


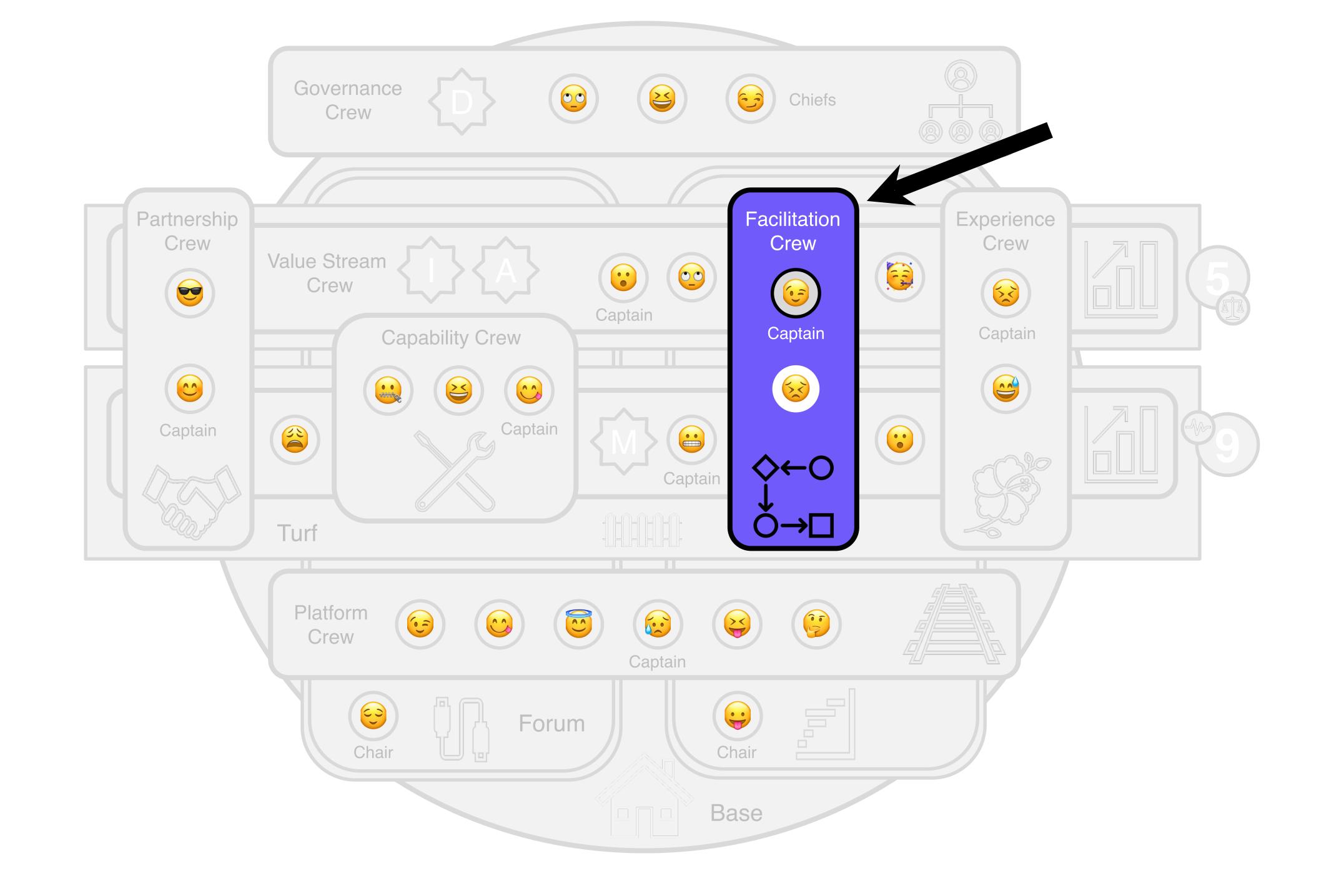
Inspired by (but NOT the same as)



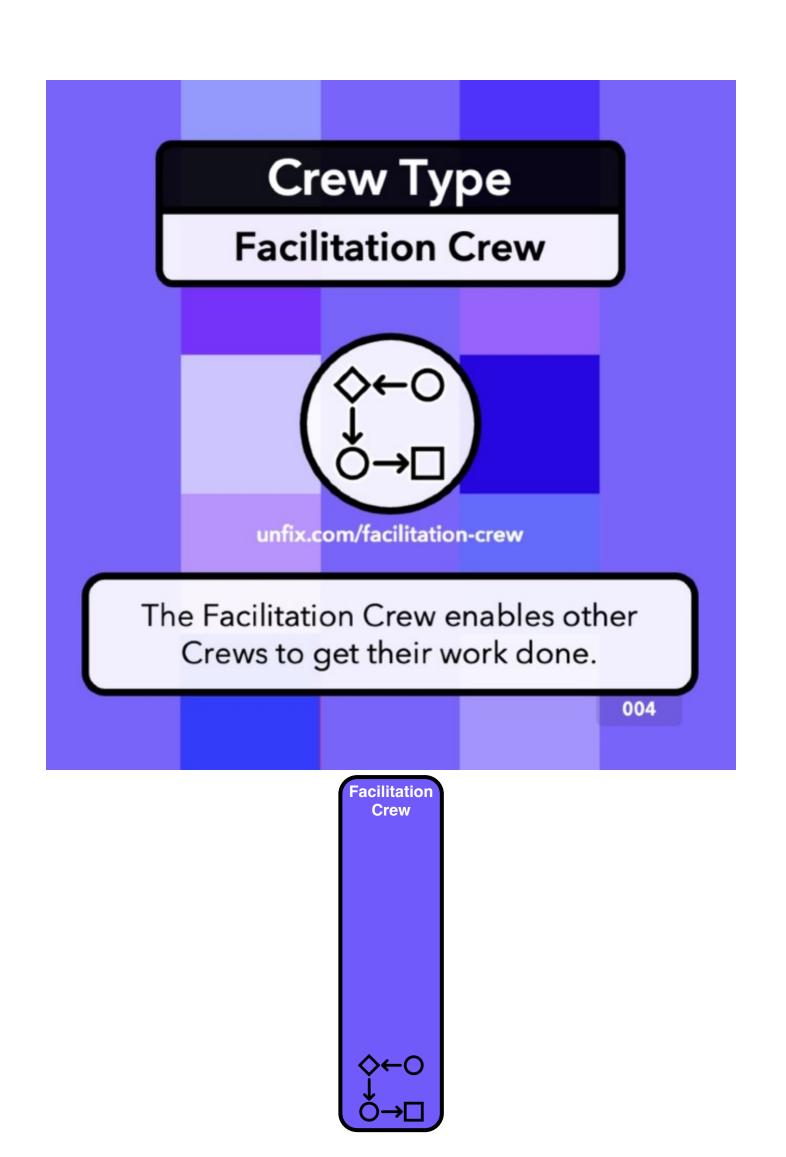


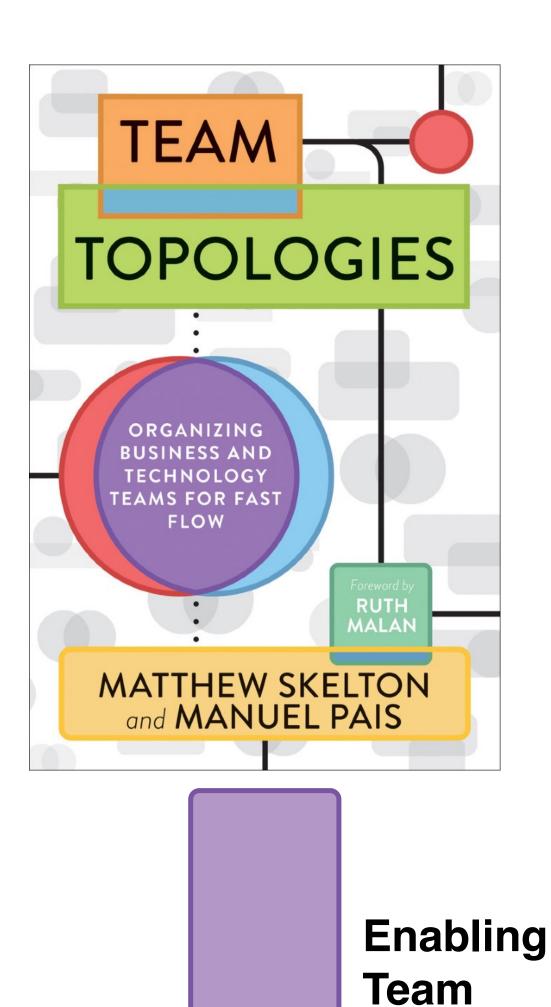






Inspired by (but NOT the same as)



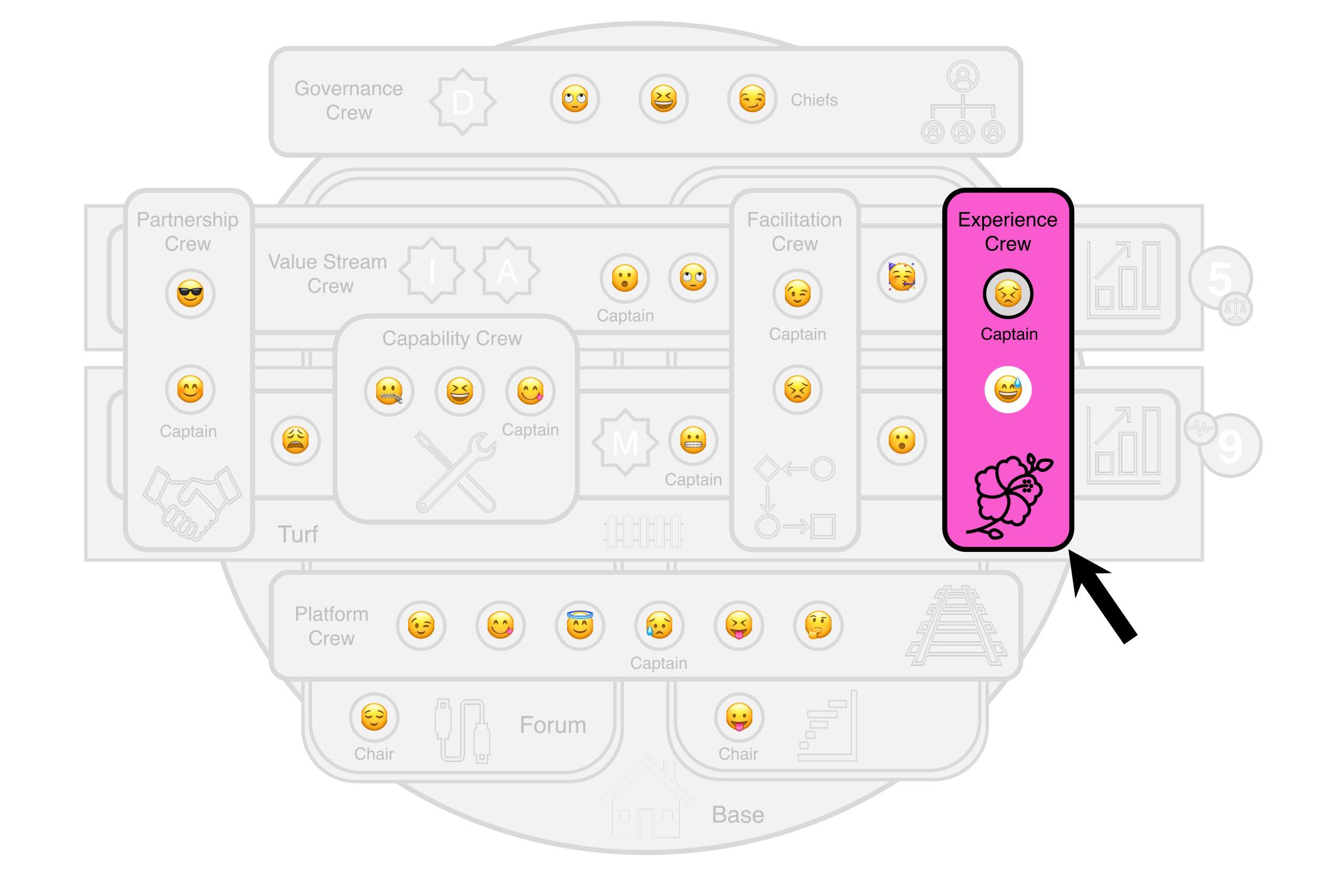


Experience Crew

The goal of this Crew is to ensure that the customer's experience is a great one. The purpose of Experience Crews compared to the Facilitation Crew is to remind the other Crews that they shouldn't optimize for just their product or service

- The Experience Crew monitors the entire customer journey.
- The Experience Crew helps Value Stream Crews to optimize the whole rather than just their own parts.



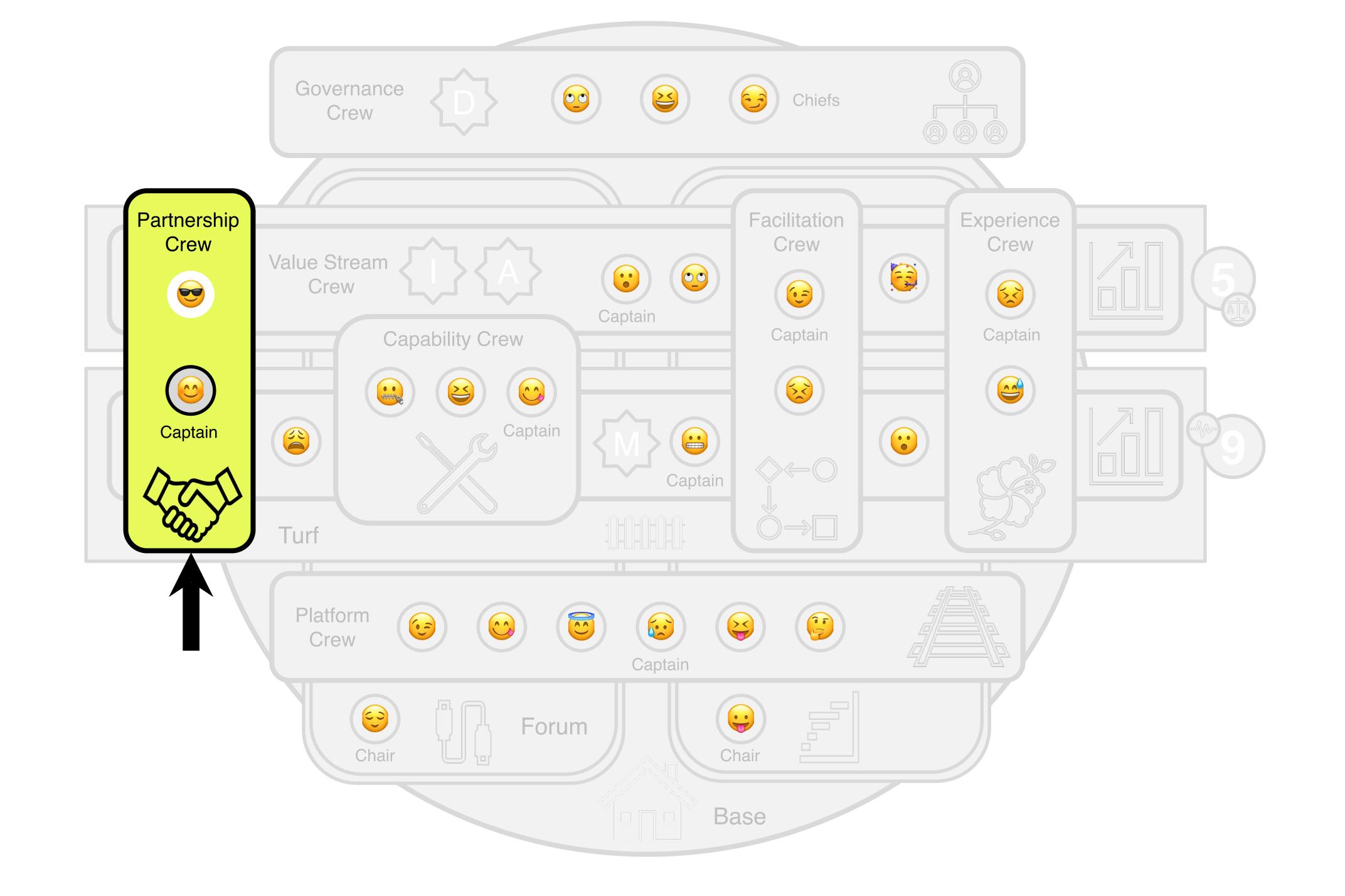


Partnership Crew

The Partnership Crew has an almost identical role as the Experience Crew. While the Experience Crew focuses on customers and users, the Partnership Crew keeps its focus on vendors, partners, freelancers, employees, and gig workers.

- The Partnership Crew monitors the entire vendor journey.
- The Partnership Crew helps Value Stream Crews to optimize the whole rather than just their own parts.

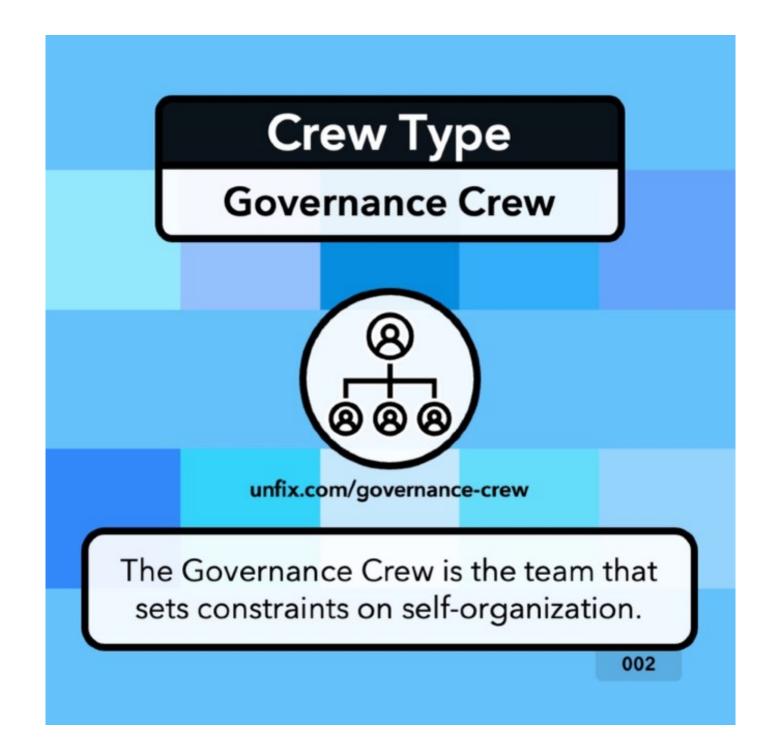


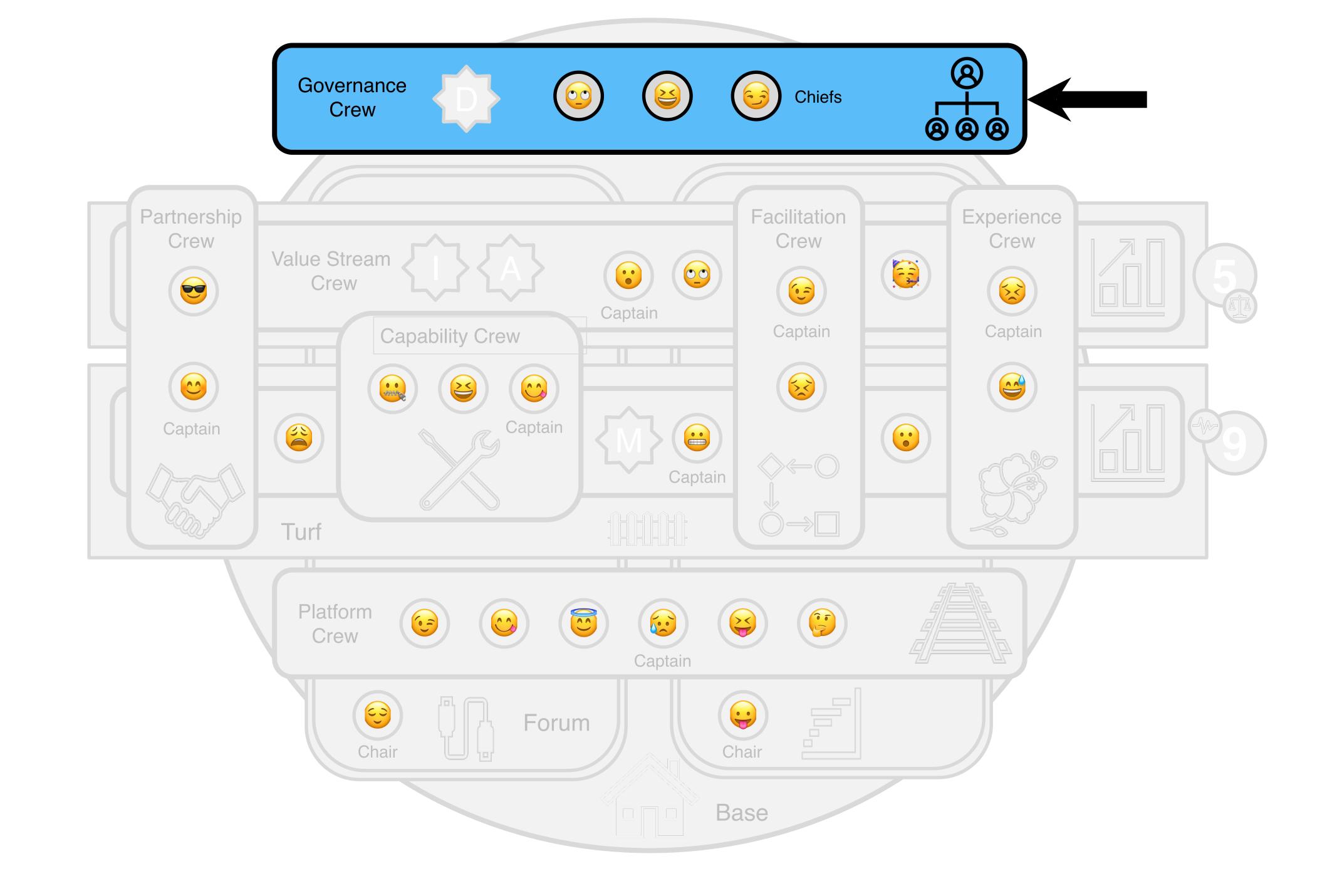


Governance Crew

The Governance Crew is the management team. It consists of several Chiefs who are the managers of everyone in the Base. They set the vision and purpose for the Base.

- There is exactly one Governance Crew in a Base.
- Defines the purpose of the Base.
- The Governance Crew's job is to ensure the motivation of workers.
- The Governance Crew is accountable to external stakeholders.

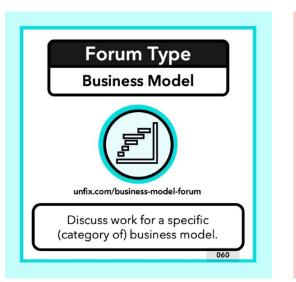


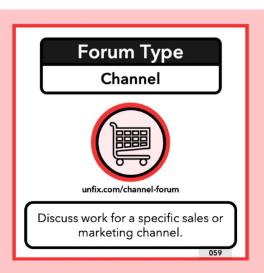


Forums

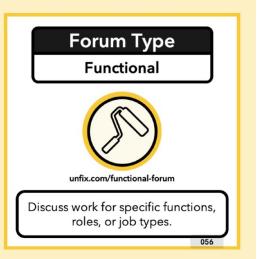
A Forum is a place to talk and make important decisions. In Forums, people discuss knowledge, trade-offs, and opportunities that serve the greater good of the Base.

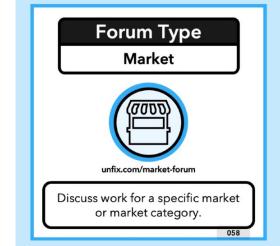
- The Forum exists only for discussions and decision-making.
- The Forum participants do most of their work on Crews, not on Forums.
- Nobody on a Forum is the manager of all Forum members

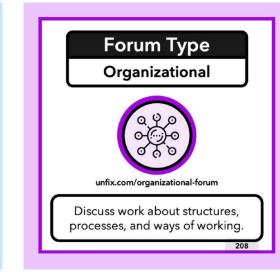


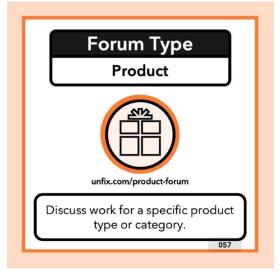


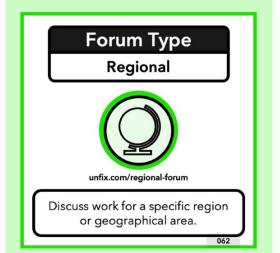




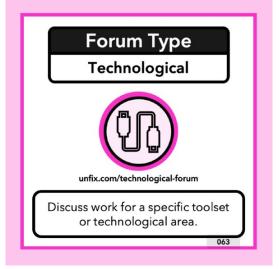


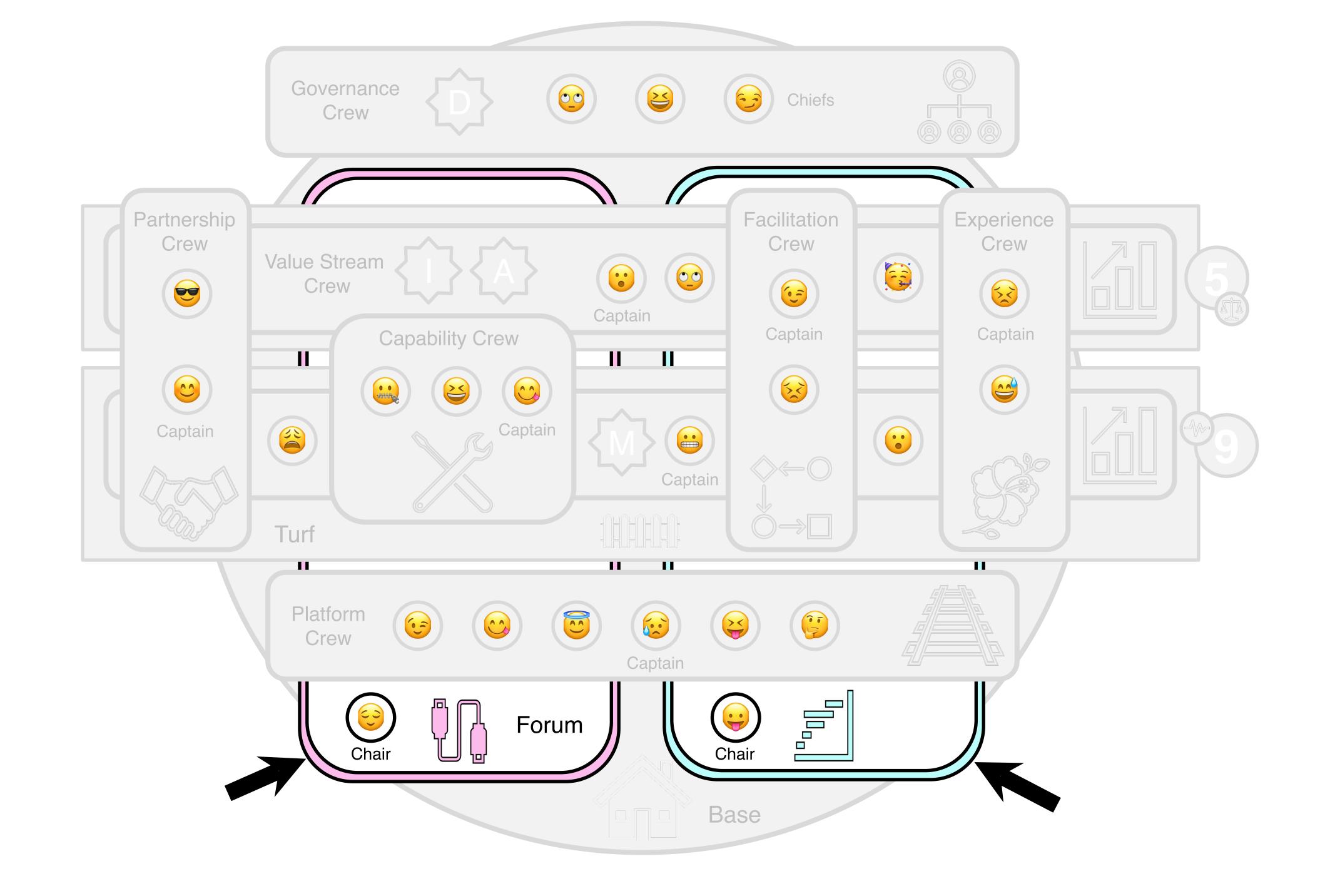
















Scribe

The Scribe is responsible for overseeing the documentation and artifacts of all things that matter to the Crew or Forum.



×·×·×

The Producer's job is to create the best possible environment for a Crew or Forum to excel at what they are doing.

Role Attribute Captain

The Captain is responsible for the success of the job that needs to be done by a Crew from the perspective of its stakeholders.

Role Attribute

Chair



The Chair is responsible for moderating and overseeing the work done in a Forum and may be a point of contact for its stakeholders.

Role Attribute

Enabler



The Enabler gets things organized for a Crew or Forum so that team members can focus on value rather than logistics.

Role Attribute Envoy



The Envoy acts like a representative or ambassador of a Crew or Forum while participating in another Crew or Forum.

Role Attribute

Agent



unfix.com/agent

The Agent is an intermediary or messenger who offers themselves to be the single point of contact (SPOC) to the outside world.

Role Attribute

Guide



The Guide helps people find their way in a Crew, Forum, or Base and supports them in their journey to adding more value.

Role Attribute



Director

The Director's job is to maintain the vision of the job that needs to be done and to direct the team toward a great result.

Role Attribute





The Guru helps a Crew, Forum, or Base with solicited and unsolicited advice as a consultant, mentor, or counselor.

Role Attribute

Custodian

Role Attribute

Creator





The Creator is a developer, artist, engineer, or builder whose aim is to make great stuff for their users and customers.

Role Attribute

Performer



unfix.com/performe

The Performer is a player, actor, or doer who aims to offer their time doing some valuable activity for their users and customers.

Maven



The Maven is a master, specialist, or expert who aims to spend their time offering their expertise to their users and customers.

Role Attribute



The Custodian is a guardian, keeper, or steward aiming to protect quality and value by setting standards for the team.

Role Attribute

Inspector



The Inspector is a tester, researcher, or detective aiming to improve quality and value by searching for problems and solutions.

Role Attributes of People

Investment Horizons

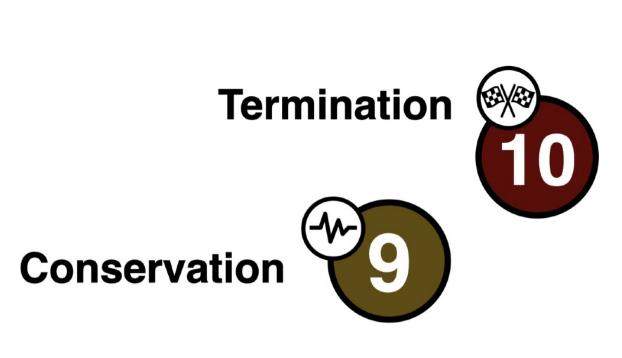








Business Lifecycle Stages











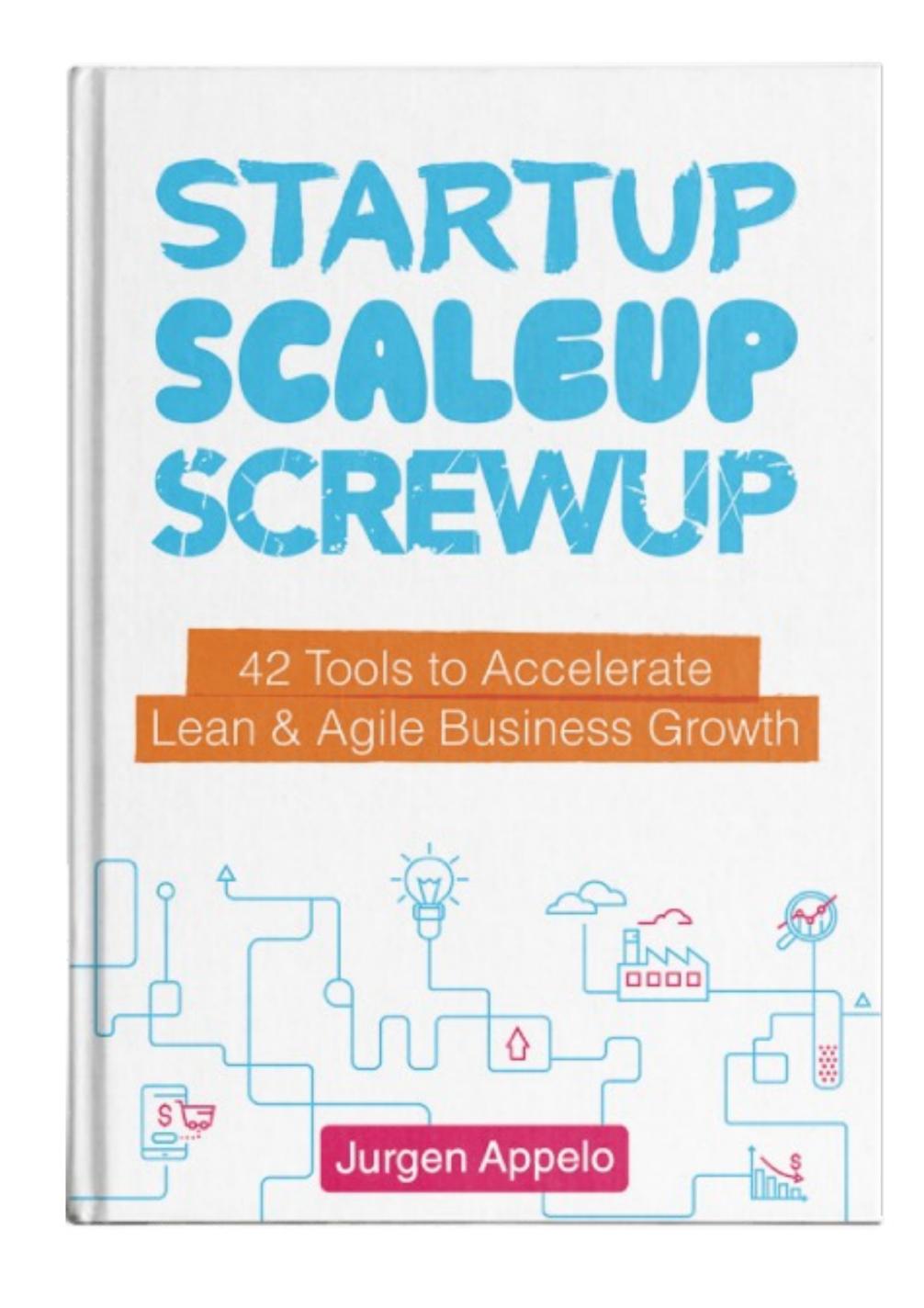
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Acceleration

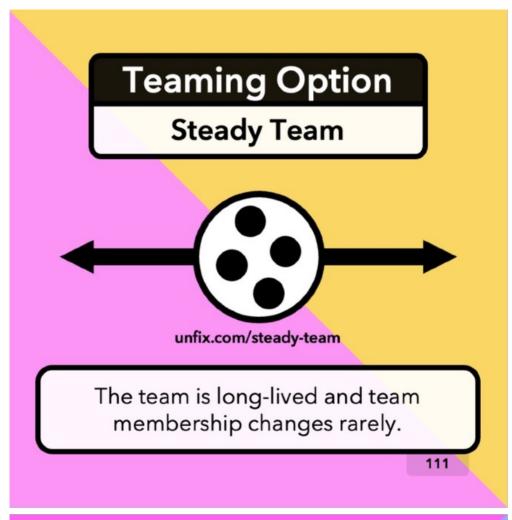


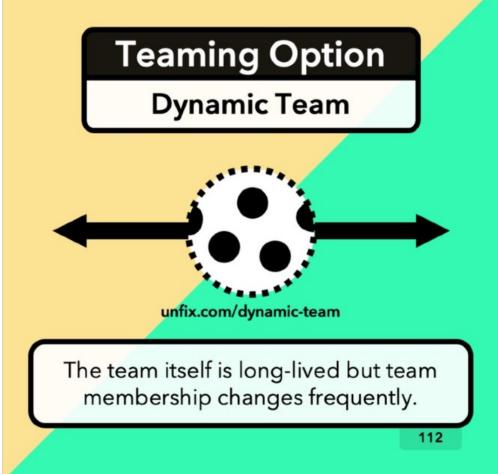
Stabilization



Teaming Options

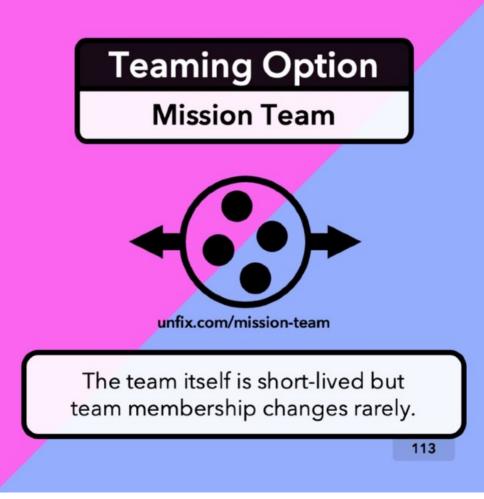
high permanence low permeability

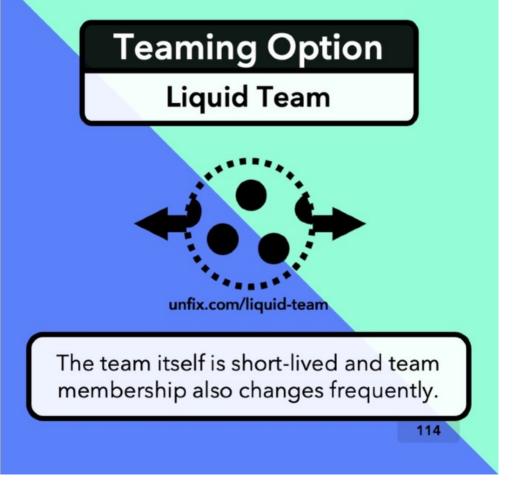




high permanence high permeability

low permanence low permeability

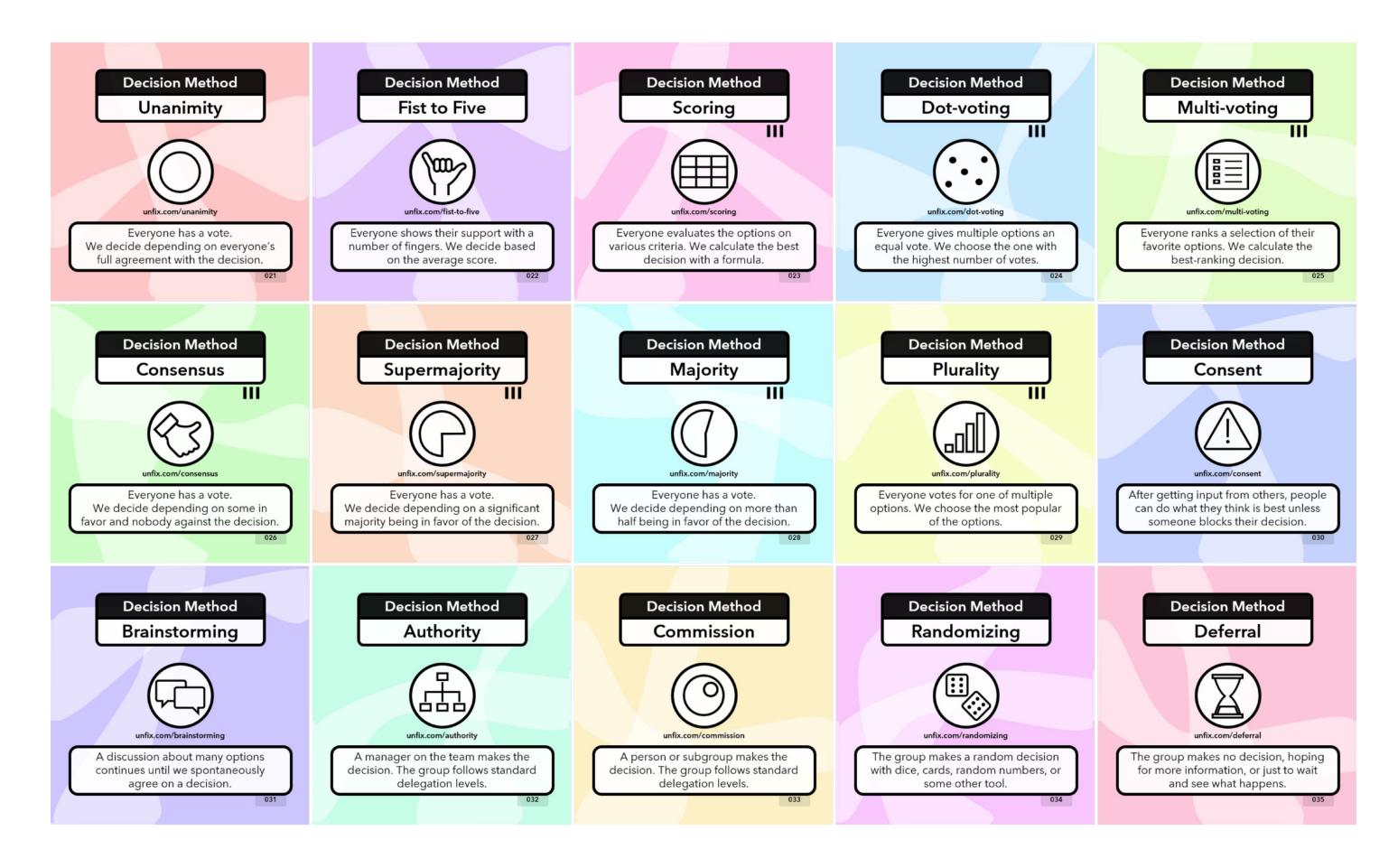




low permanence high permeability

Decision Methods

How does a self-organizing team make decisions together? Should they just talk until they agree? Should everyone get a vote?



unFIX also has resources that enable collaborative modelling for organizational design



Source: https://medium.com/@jurgenappelo/download-the-crew-type-cards-5945e73fbb26

miro unFIX Template for Org Structure - simple by unfix 🔯 🗘 🔾































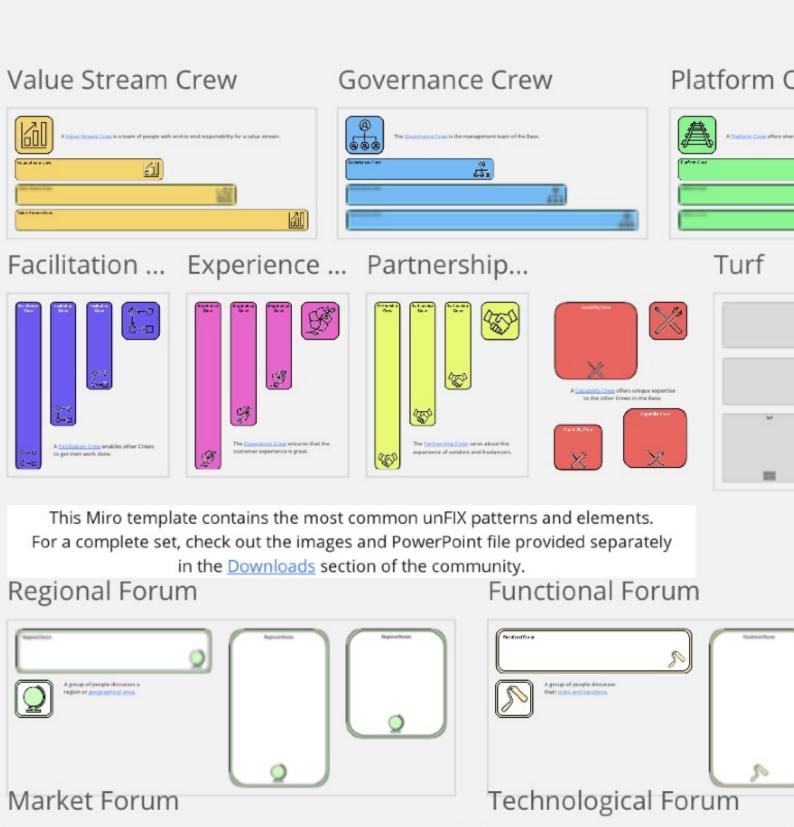


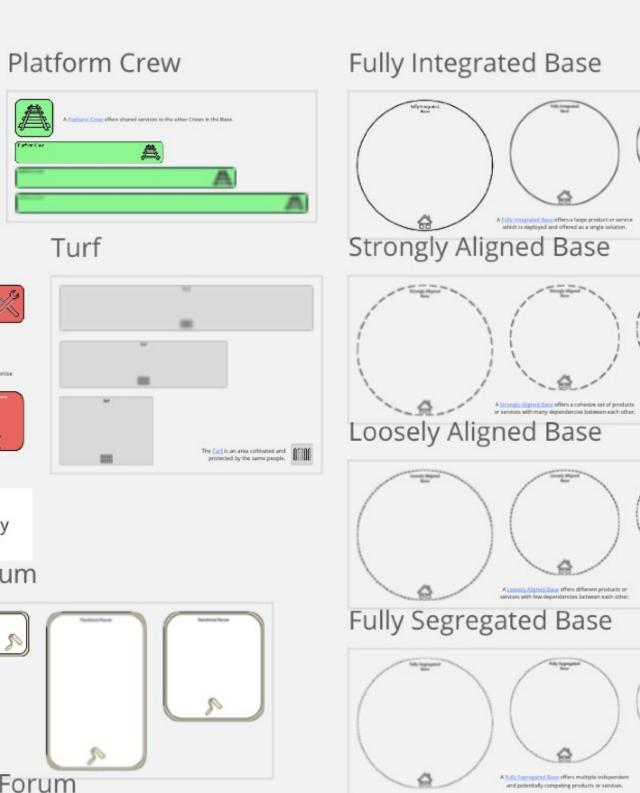
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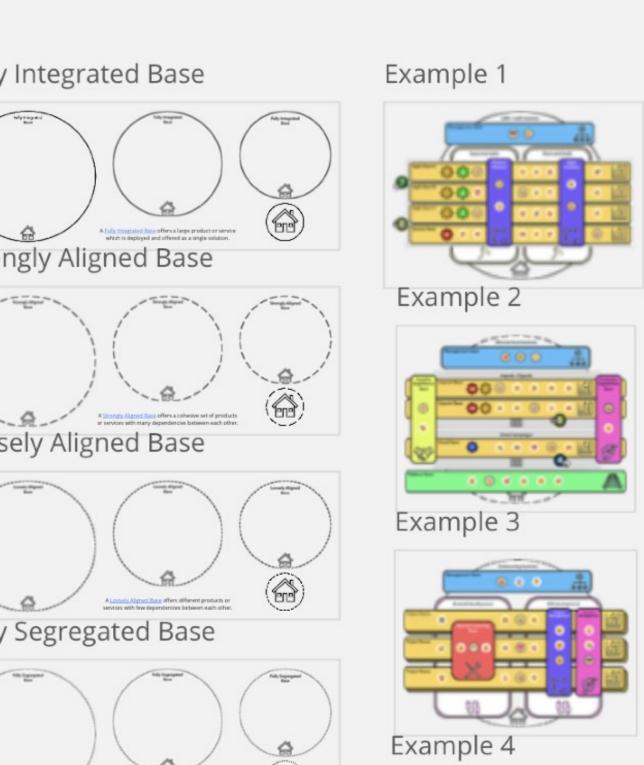


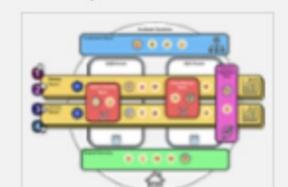


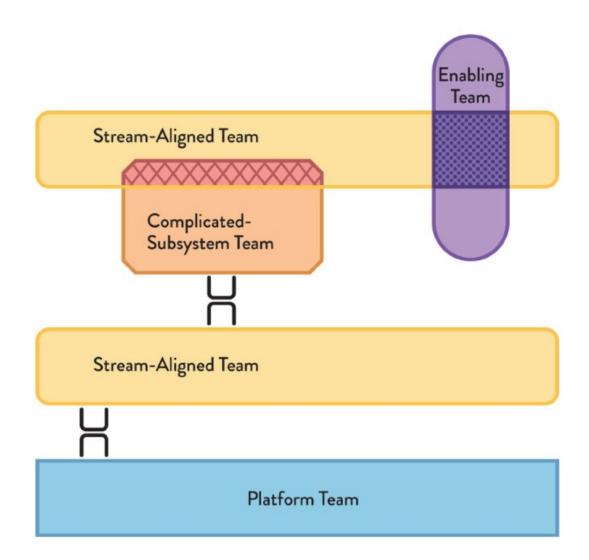
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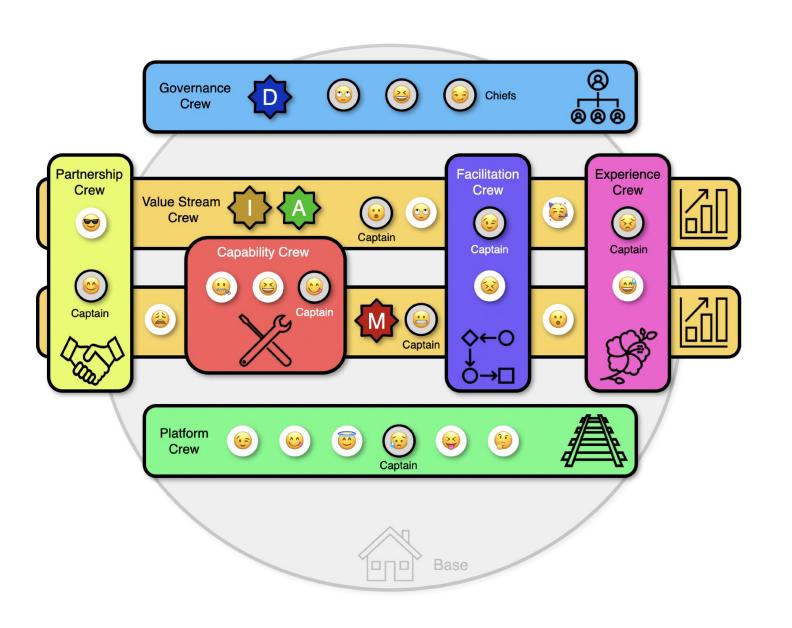










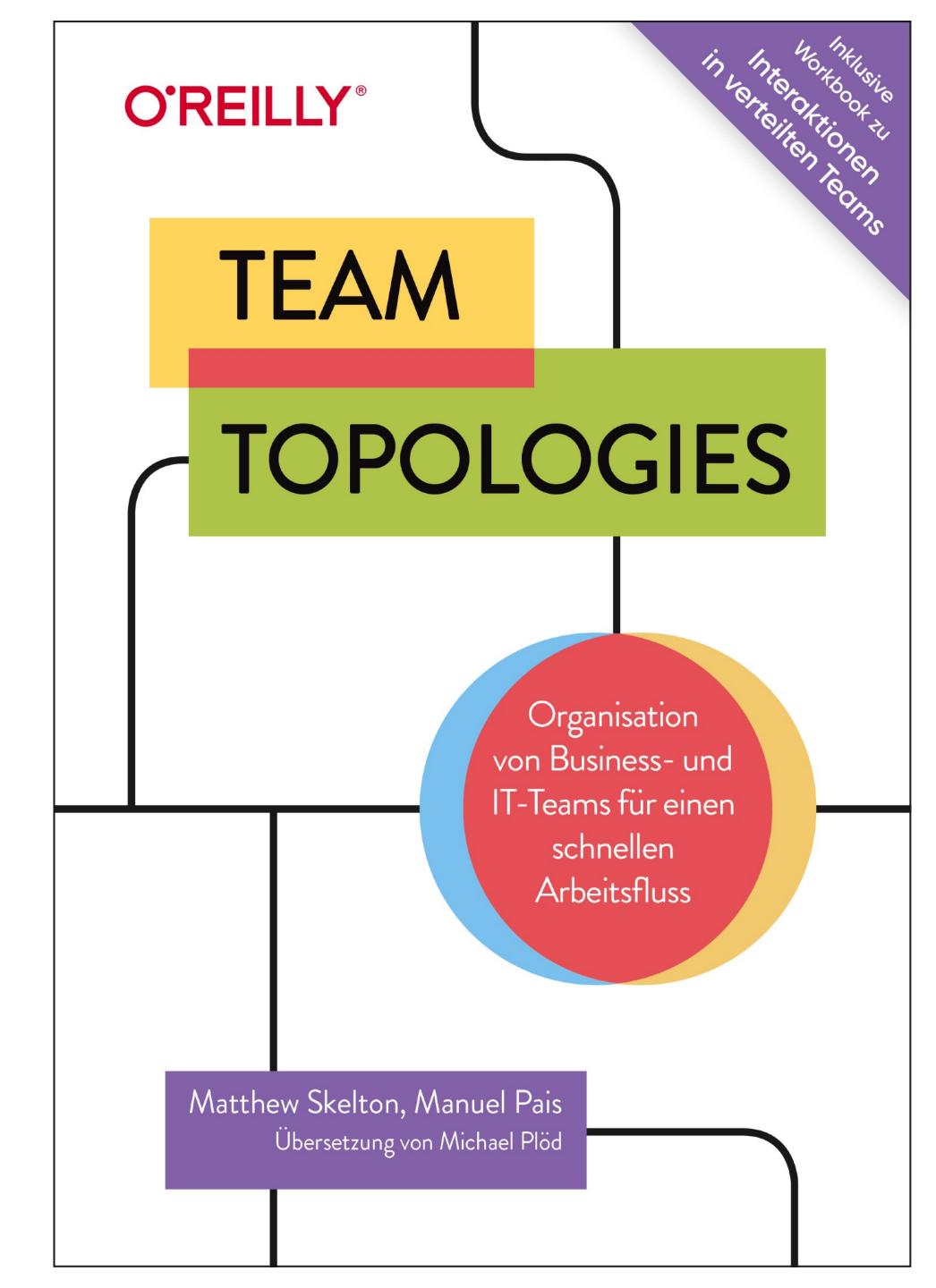


- Evolutionary
- Simple
- Hints for identifying team boundaries
- Team Interaction Modes
- "Opinionated" / Promotes best practices
- Talks about Platforms, and not just Platform teams
- Evolutionary
- Very flexible / adjustable
- More holistic for complete org design
- No Team Interaction Modes!
- Not so opinionated, promotes some good advices
- It's easy to get lost with all the options

I usually start with plain Team Topologies and pitch in elements from unFIX when it helps me to address questions and concerns

German Version of Team Topologies translated by me

November 2023



Thank you!



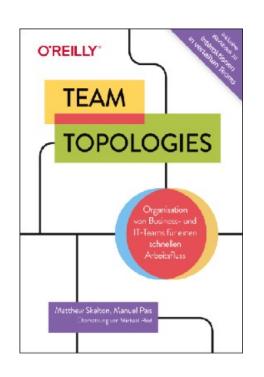


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LinkedIn: https://www.linkedin.com/in/michael-ploed/



German version of Team Topologies incl. the Remote Team Interactions Workbook Translated by me

Release through O'Reilly Germany in approx. end of November 2023

innoQ Deutschland GmbH