

ORDERS OF MAGNITUDE

Cloud-native technology
strategies for global scale.

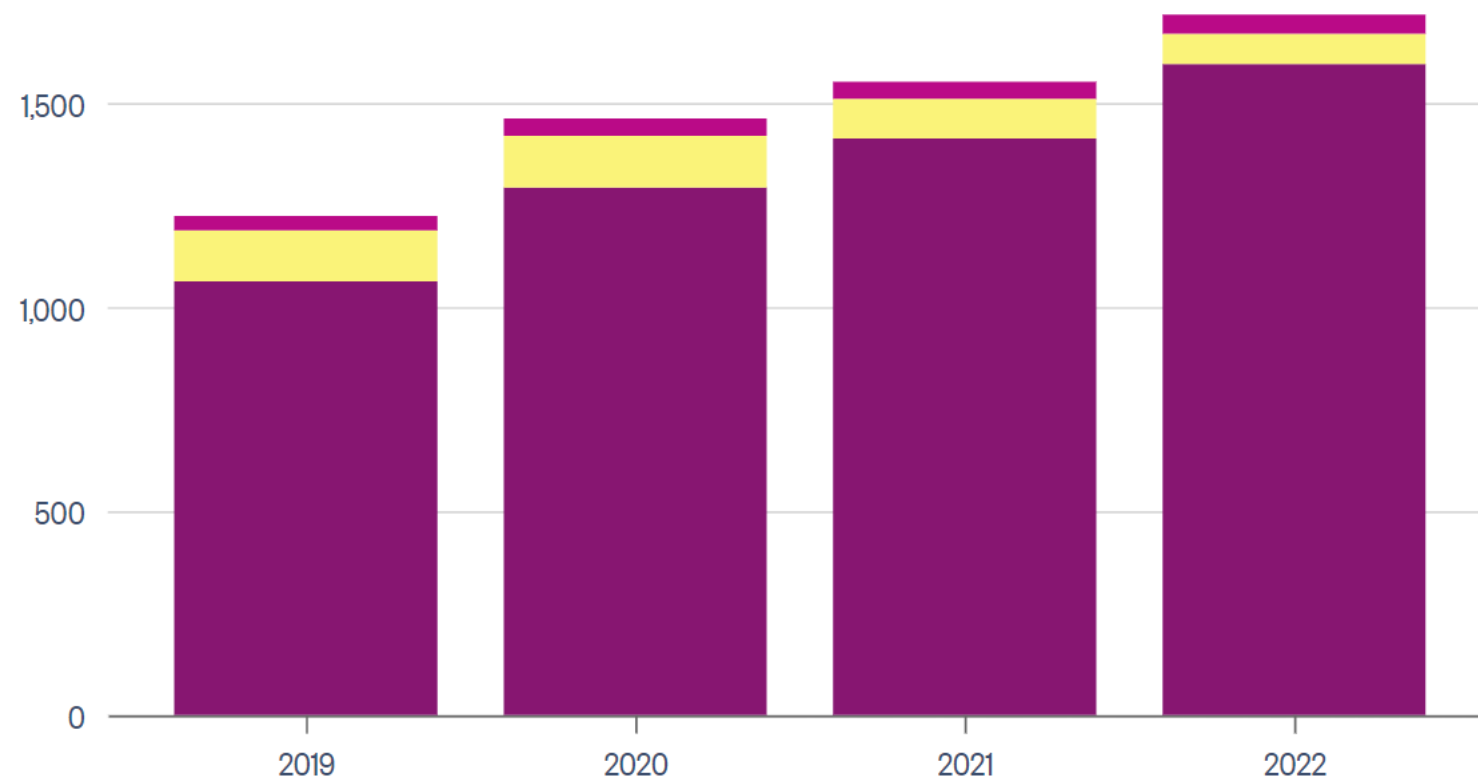
Value of telecommunication, computer, and information services exported from New Zealand

figure.nz

Year ended June 2019–2022, NZD millions

Provider: Stats NZ

- Information services
- Telecommunication services
- Computer services

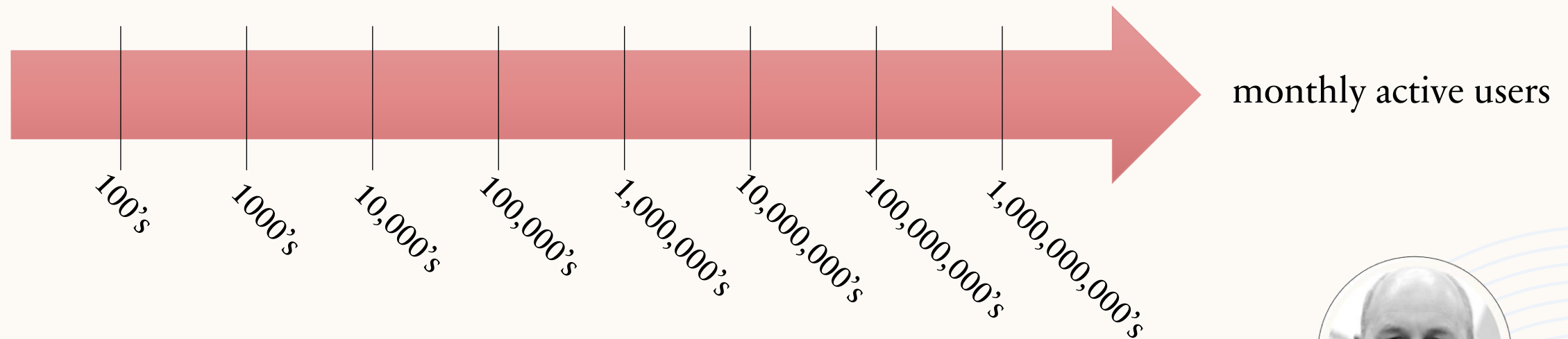


**“ ...WITH EVERY ORDER OF
MAGNITUDE OF GROWTH, ...
REVISIT YOUR ARCHITECTURE...”**


Werner Vogels – Amazon CTO



ORDERS OF MAGNITUDE



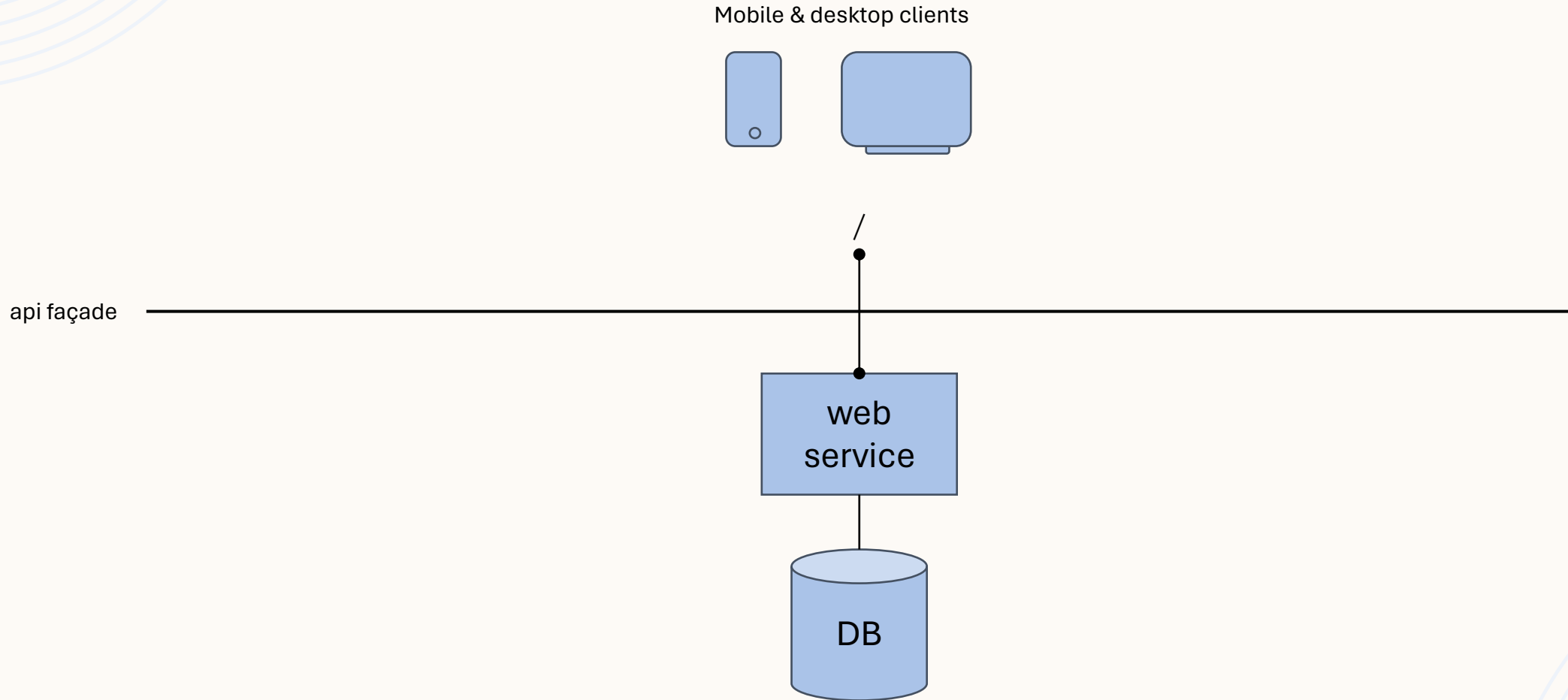
Werner Vogels



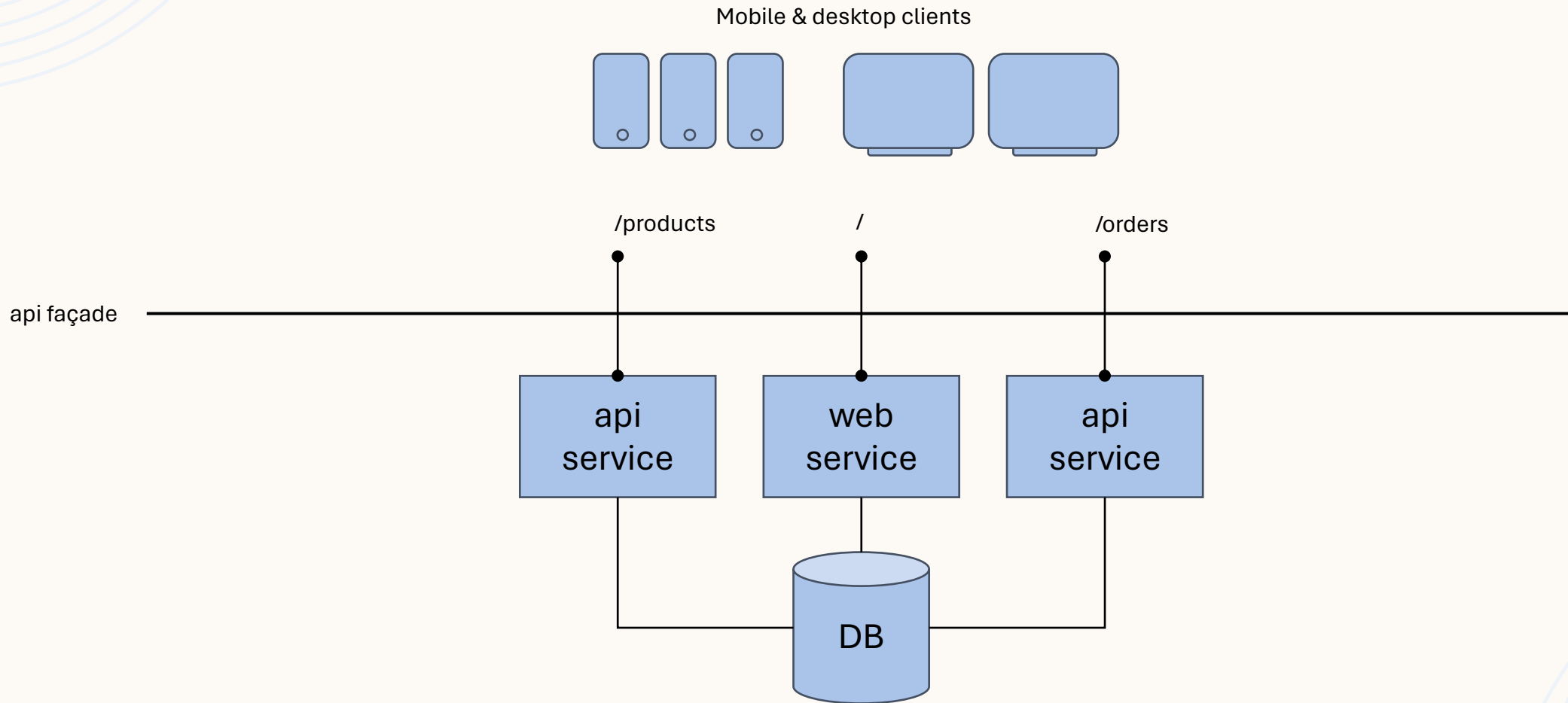
**SYSTEMS WILL MIMIC THE
COMMUNICATION STRUCTURES
OF THE ORGANISATIONS THAT
DESIGN THEM.**

Conway's Law

MONOLITH

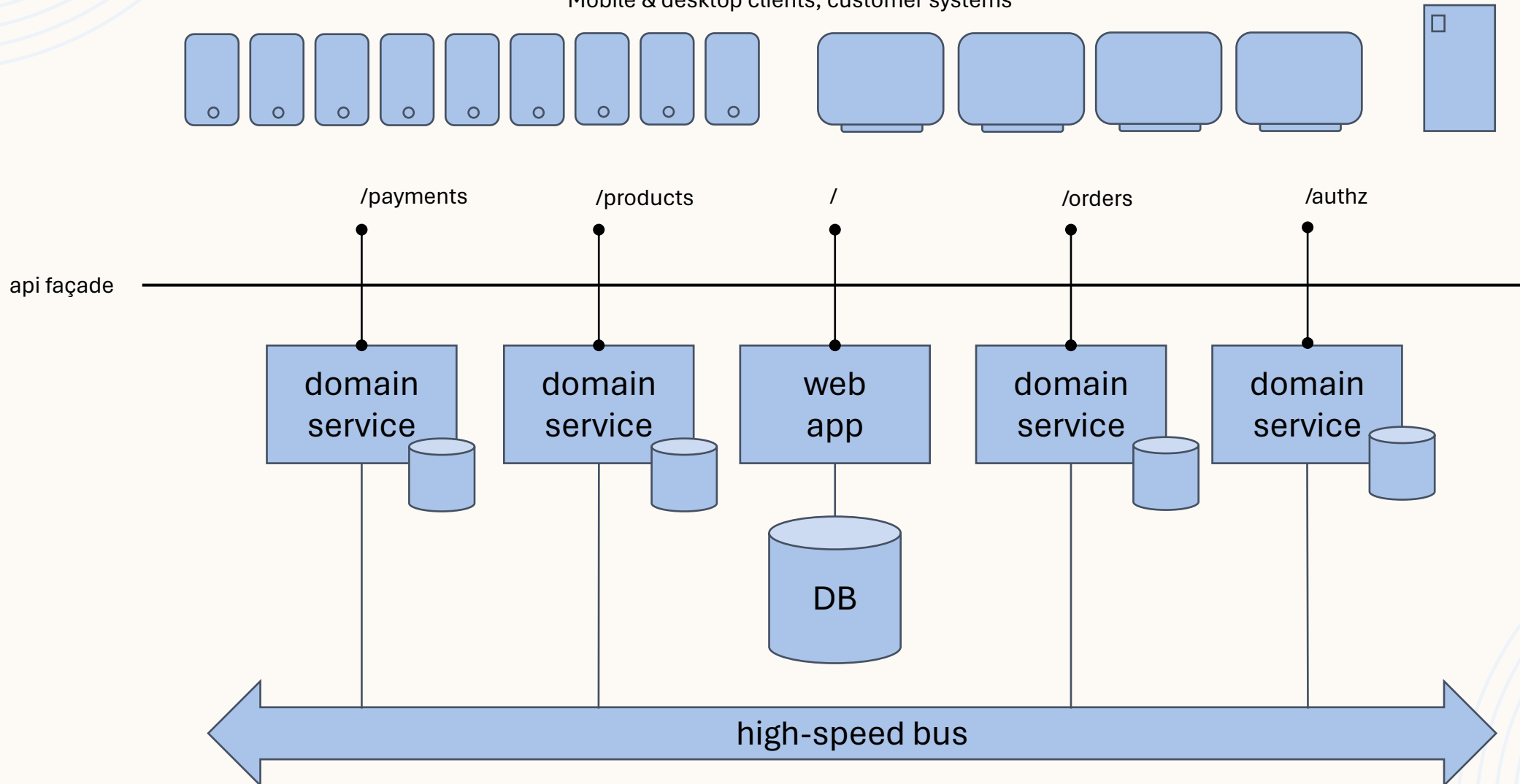


API SERVICES



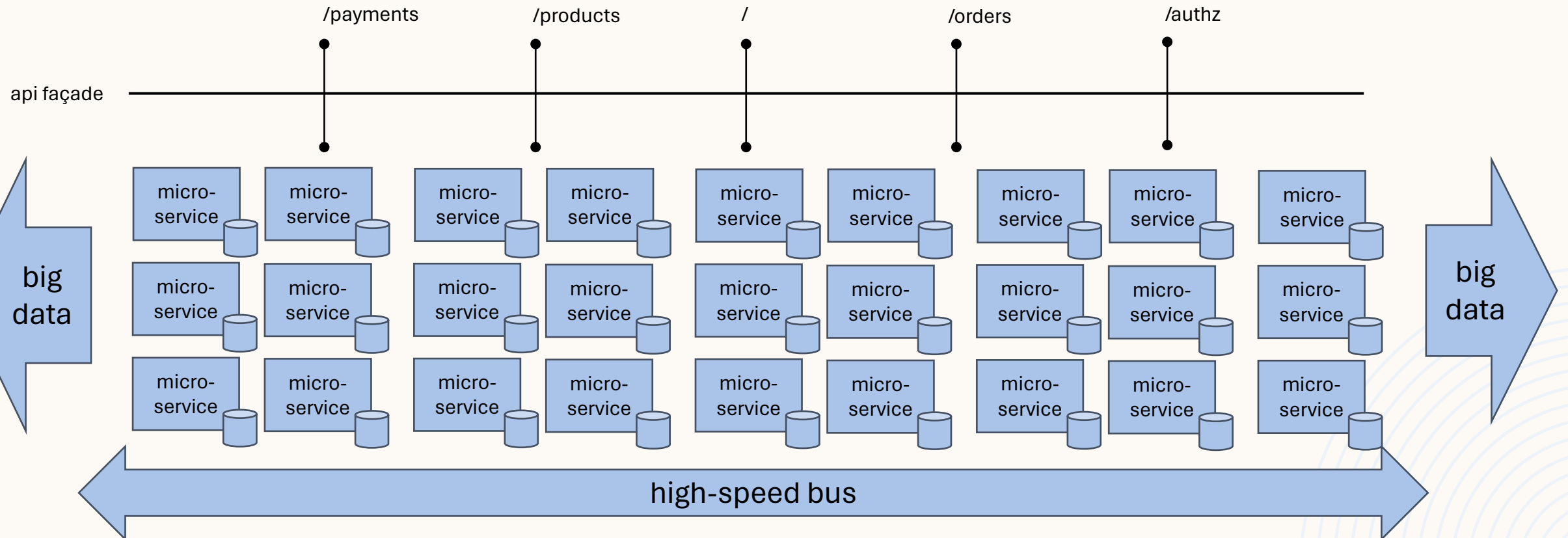
DOMAIN SERVICES

Mobile & desktop clients, customer systems



MICRO SERVICES

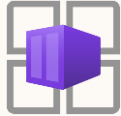
Mobile & desktop clients, customer systems



CLOUD COMPUTE CHOICE FACTORS



Azure App
Service Plans



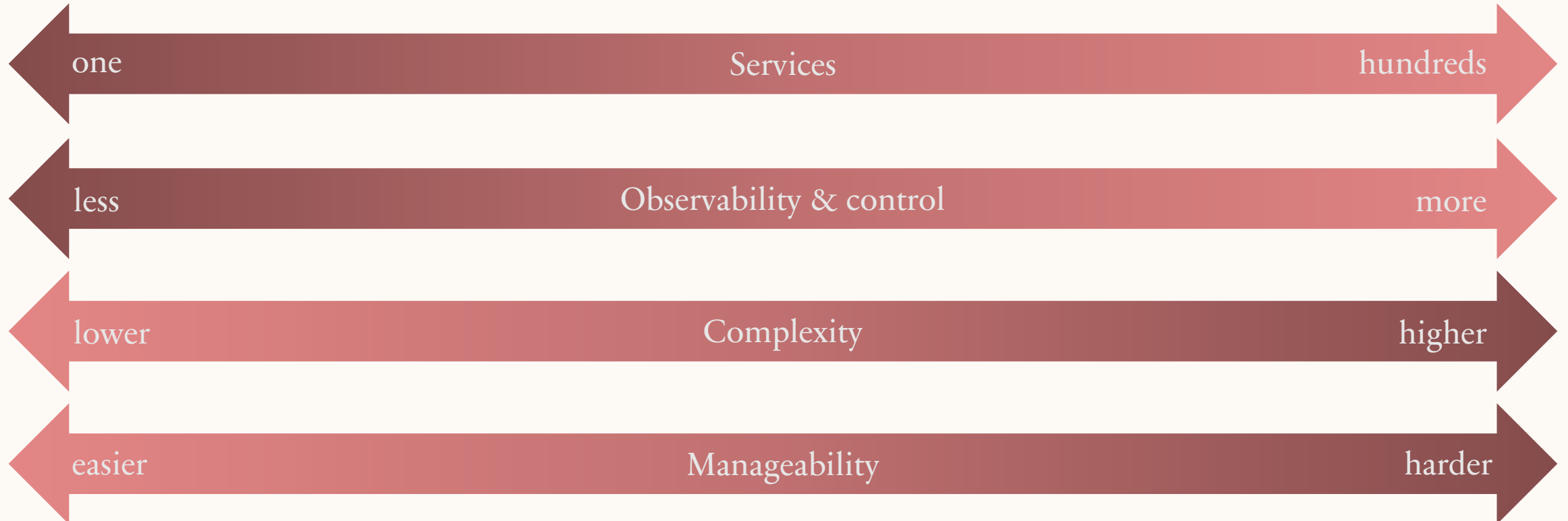
Azure Container
Apps



Managed Kubernetes
AKS / EKS / ARO

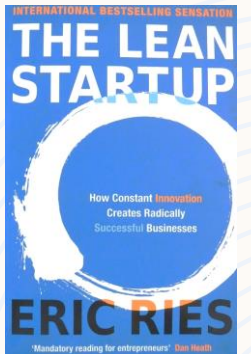
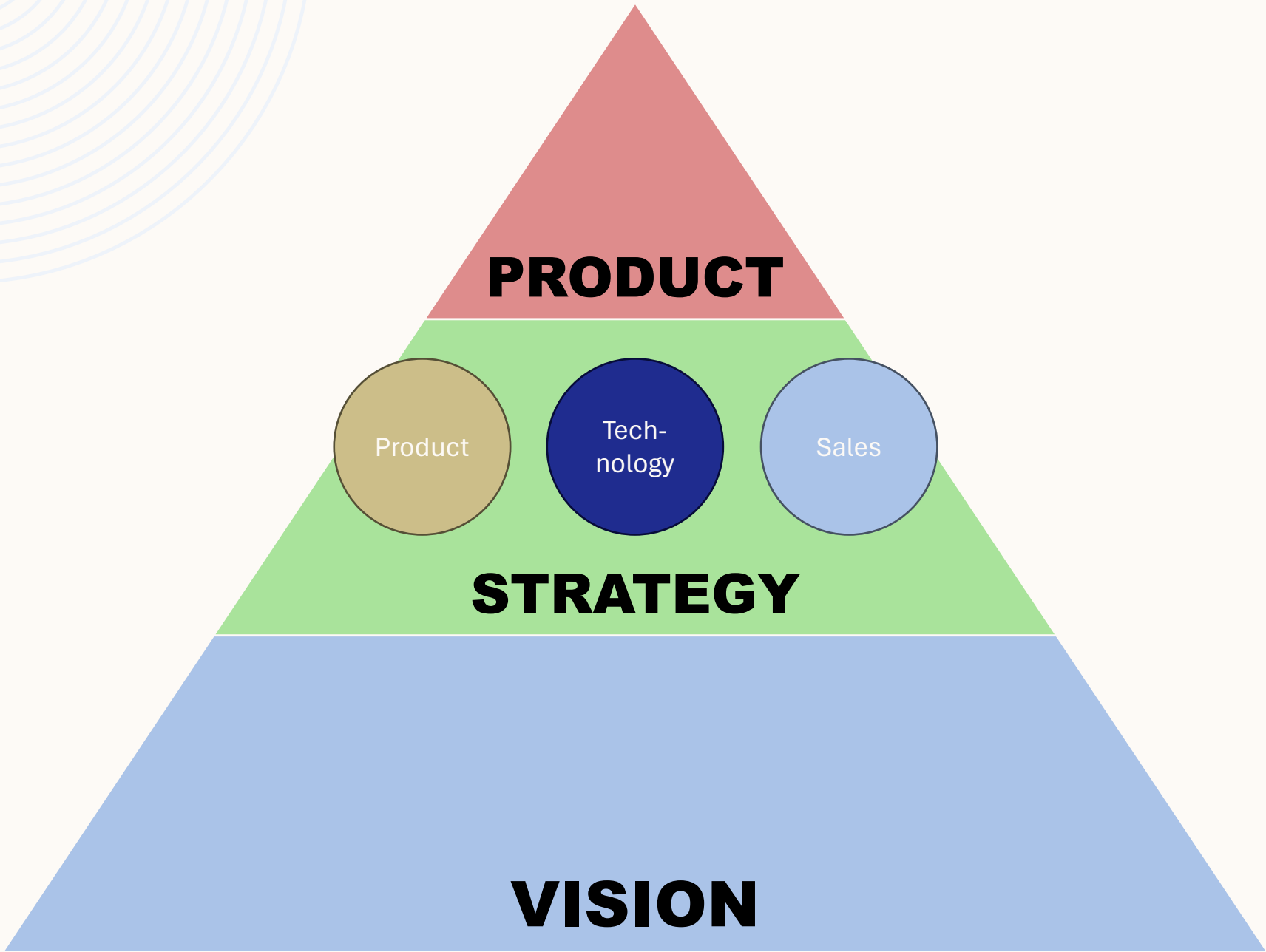


VM
scale sets





MAKING A PLAN



1. “Use a managed Open AI service

2. “Use GitHub co-pilot

PRODUCT

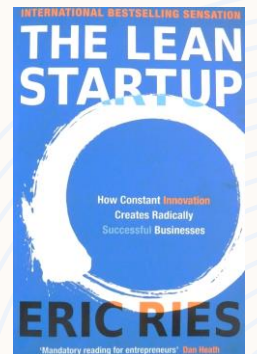
1. “Reduce time to market by building on
third-party AI API’s”

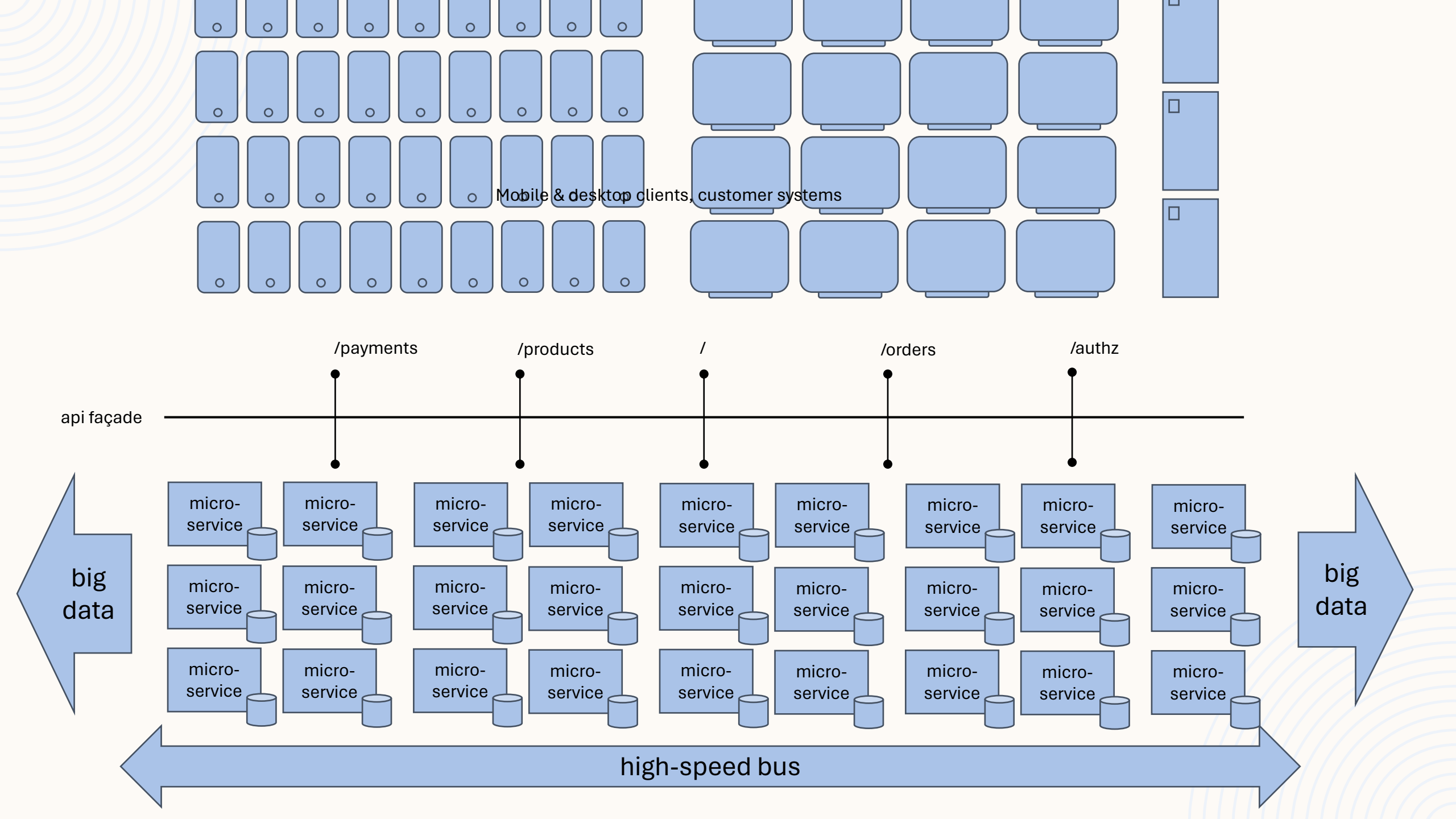
2. “Improve developer productivity with
AI code tools”

STRATEGY

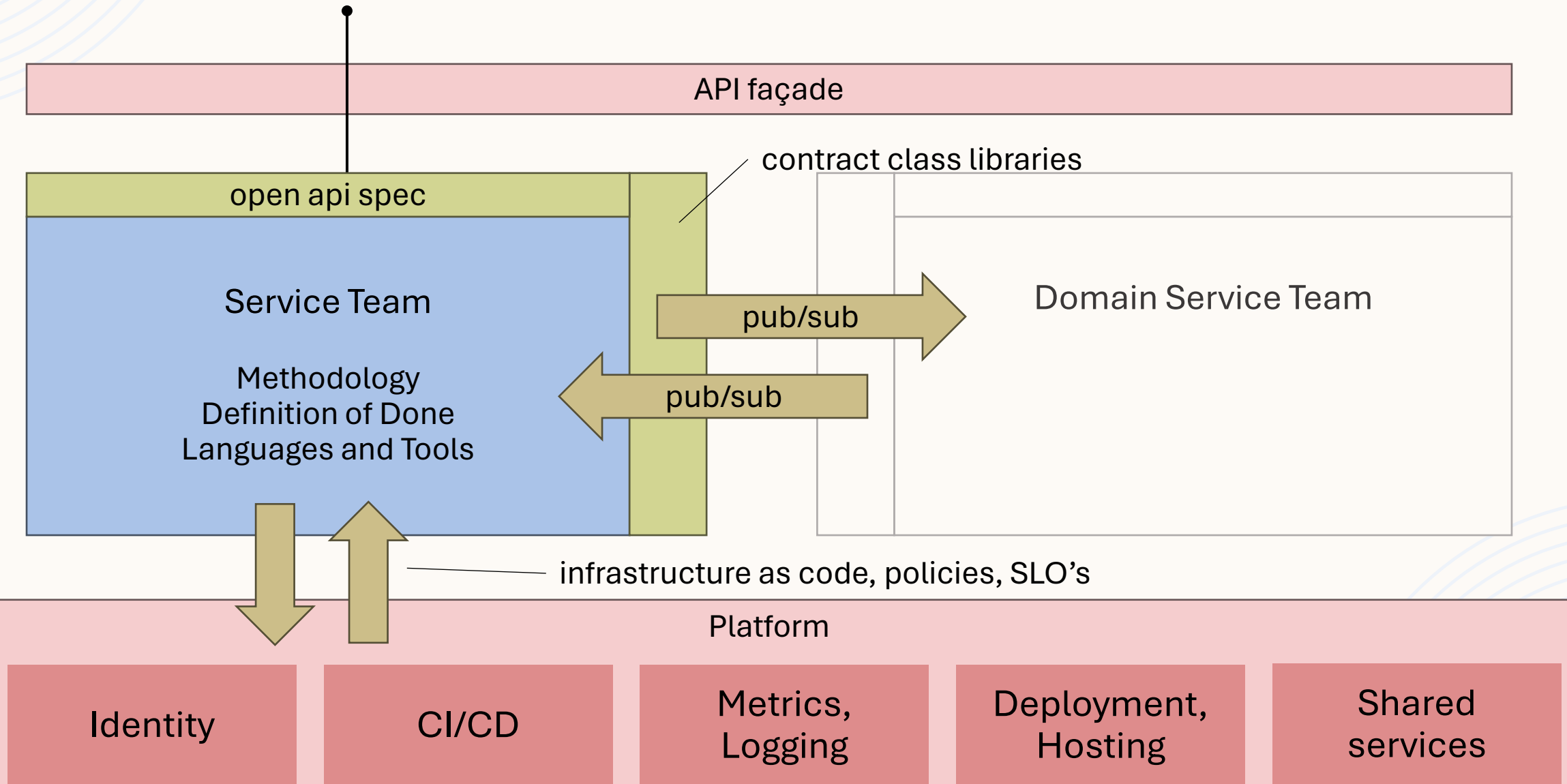
“To empower every person on the planet
with a truly useful AI personal assistant

VISION

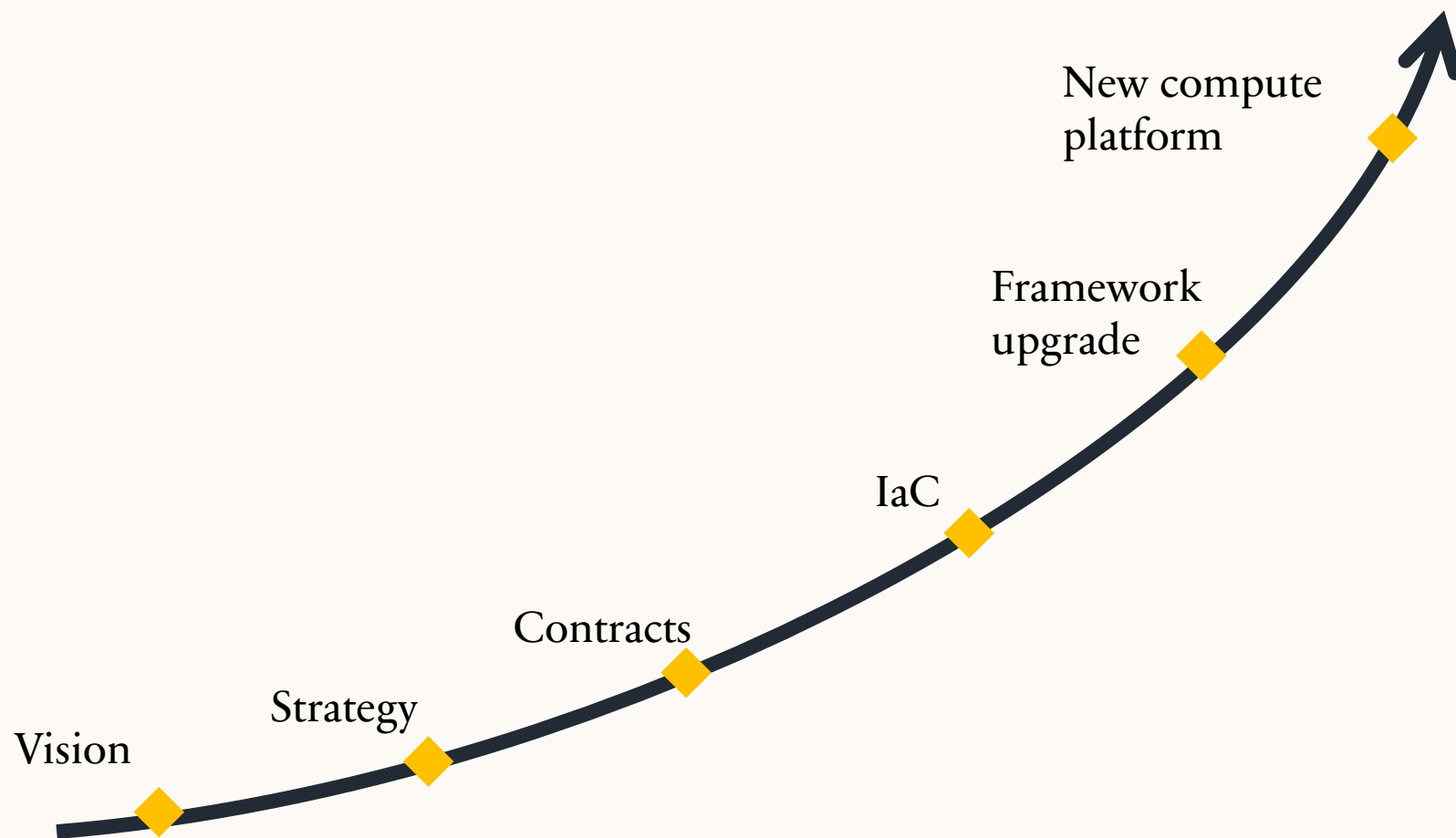




CONTRACTS



ROADMAP

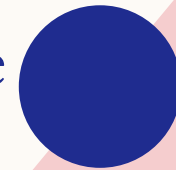


IN CLOSING

Conway's law explains why Service oriented architectures change as our organisation grows.

Observing these effects helps is to plan for the next order of magnitude.

Technology strategy and contracts are ways to inform product teams what is important to the business.



THANK YOU!



<http://bit.ly/dlnztalks>