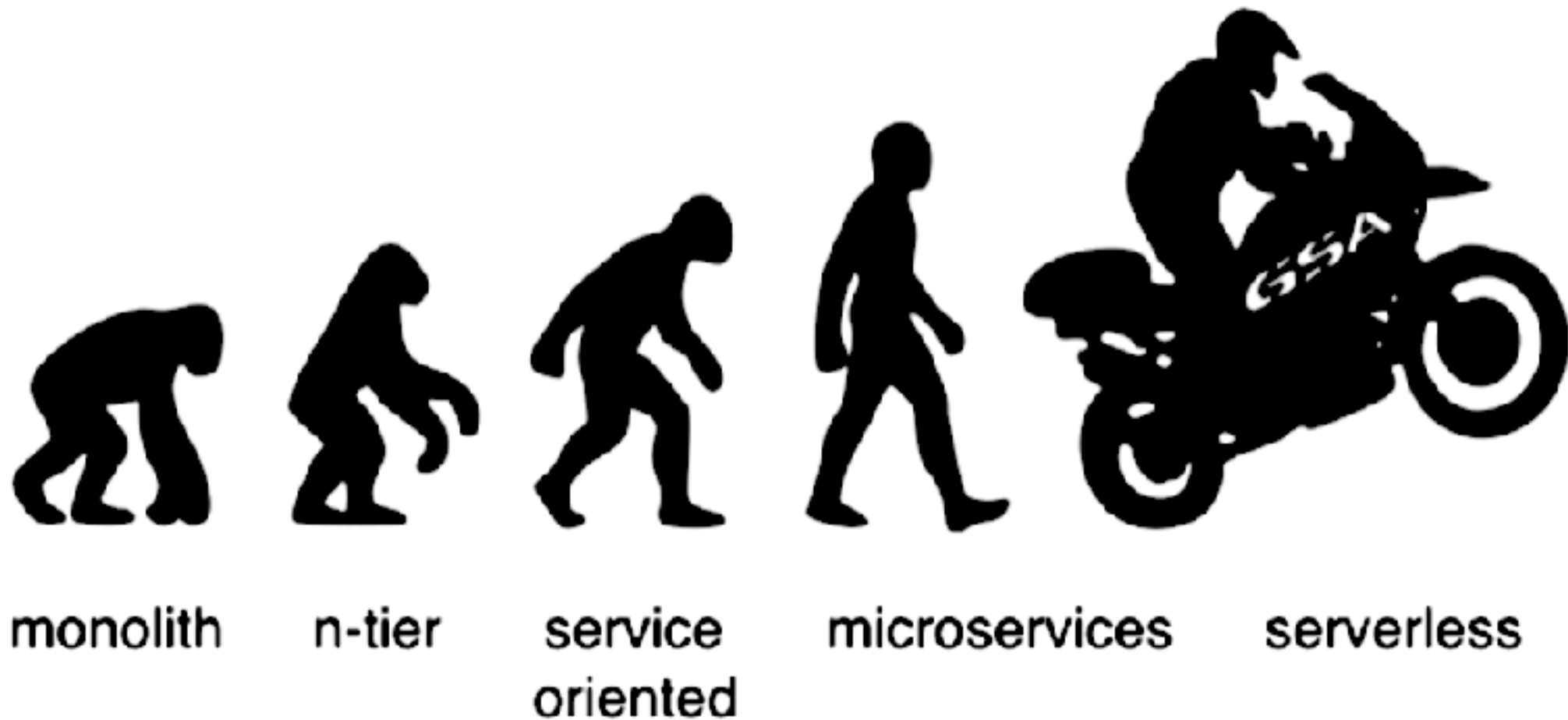


Microservice



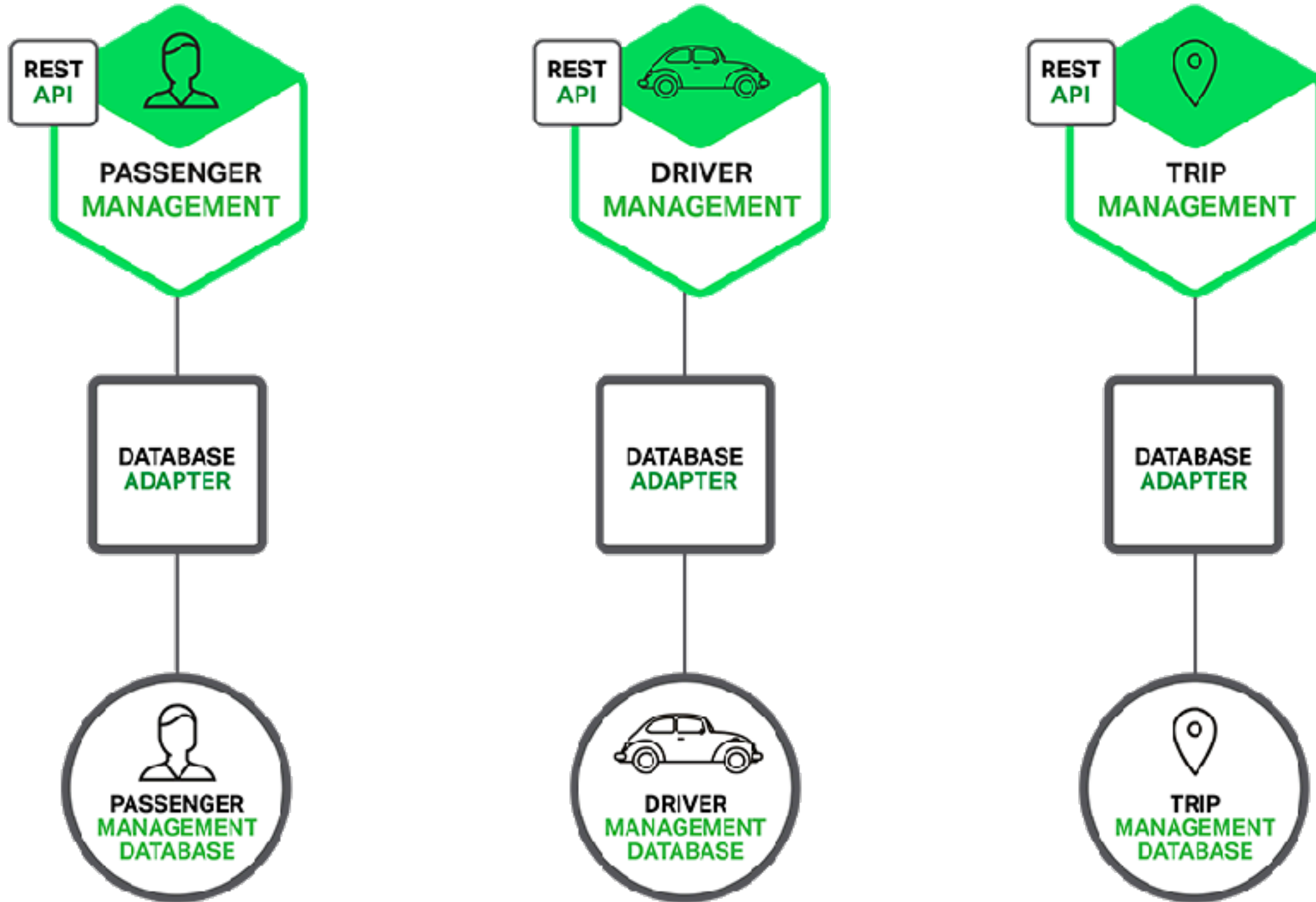
@somkiat



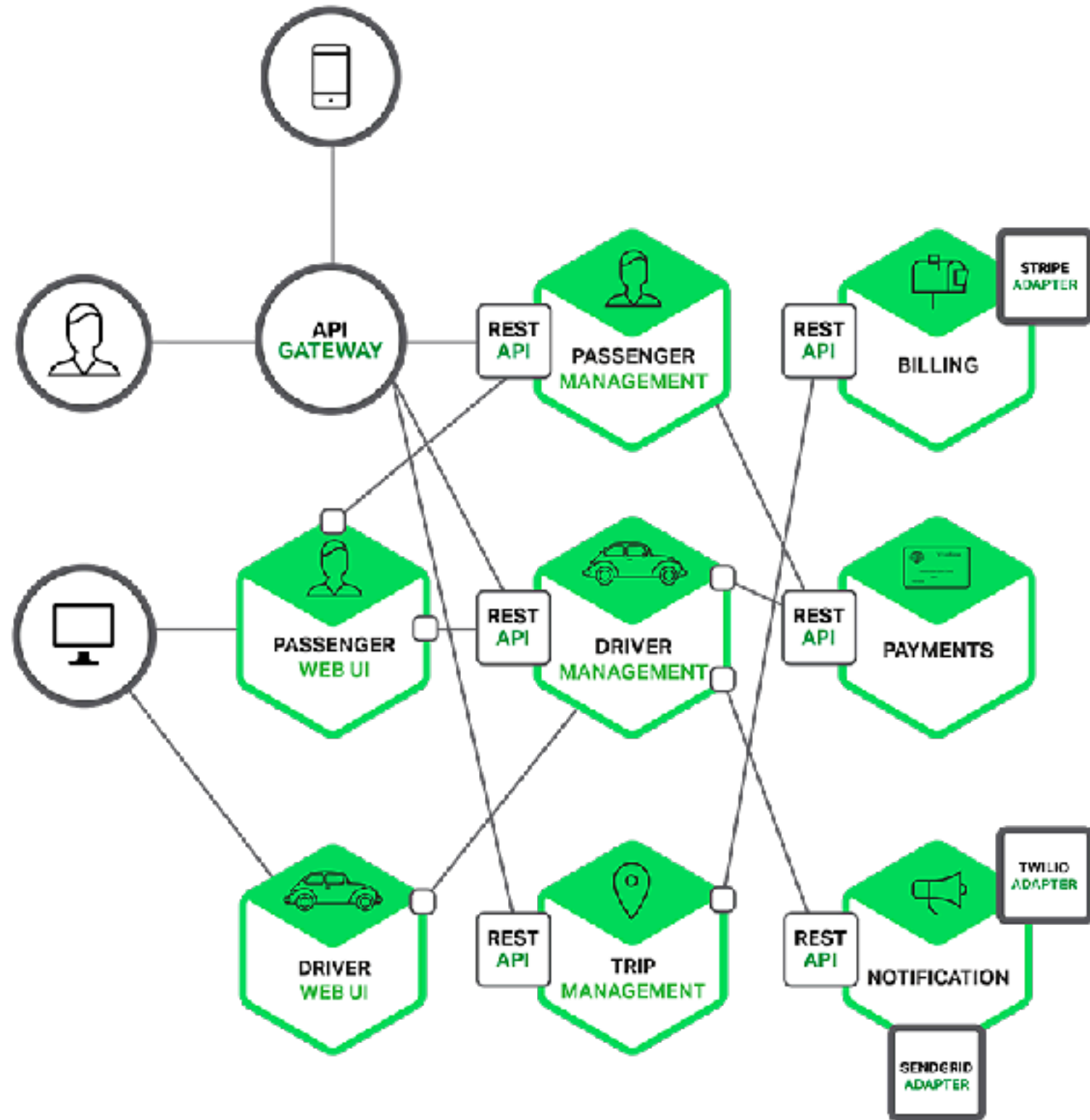
Microservice



Microservice



Microservice



What is microservice ?



What is microservice ?

Small services



What is microservice ?

Small services

Running in its own process



What is microservice ?

Small services

Running in its own process

Communicating with lightweight mechanism



What is microservice ?

Small services

Running in its own process

Communicating with lightweight mechanism

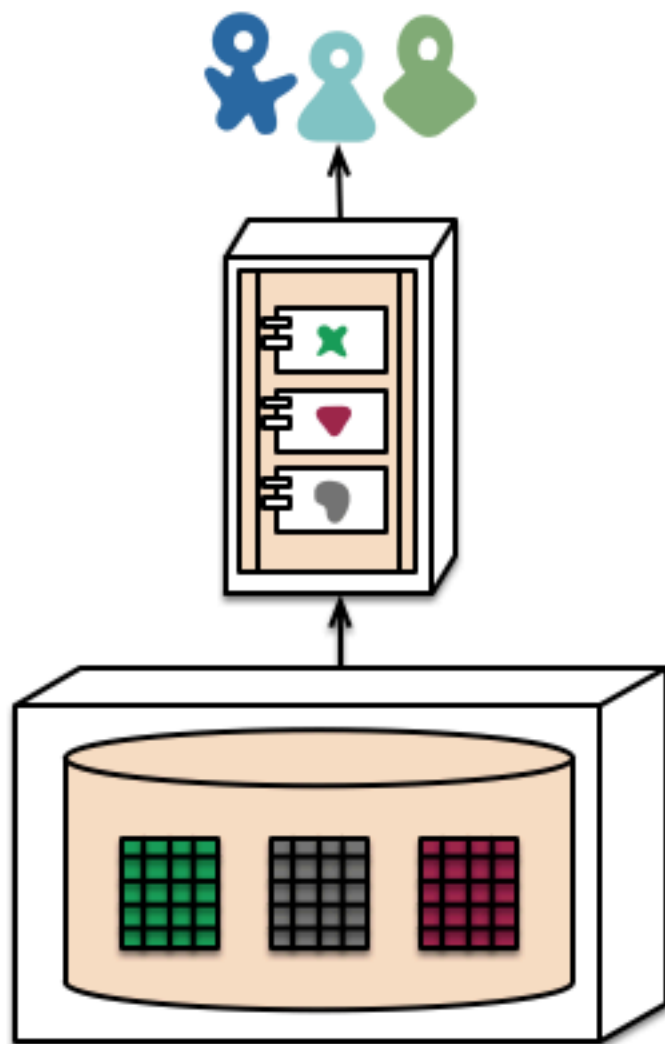
Independently deployable



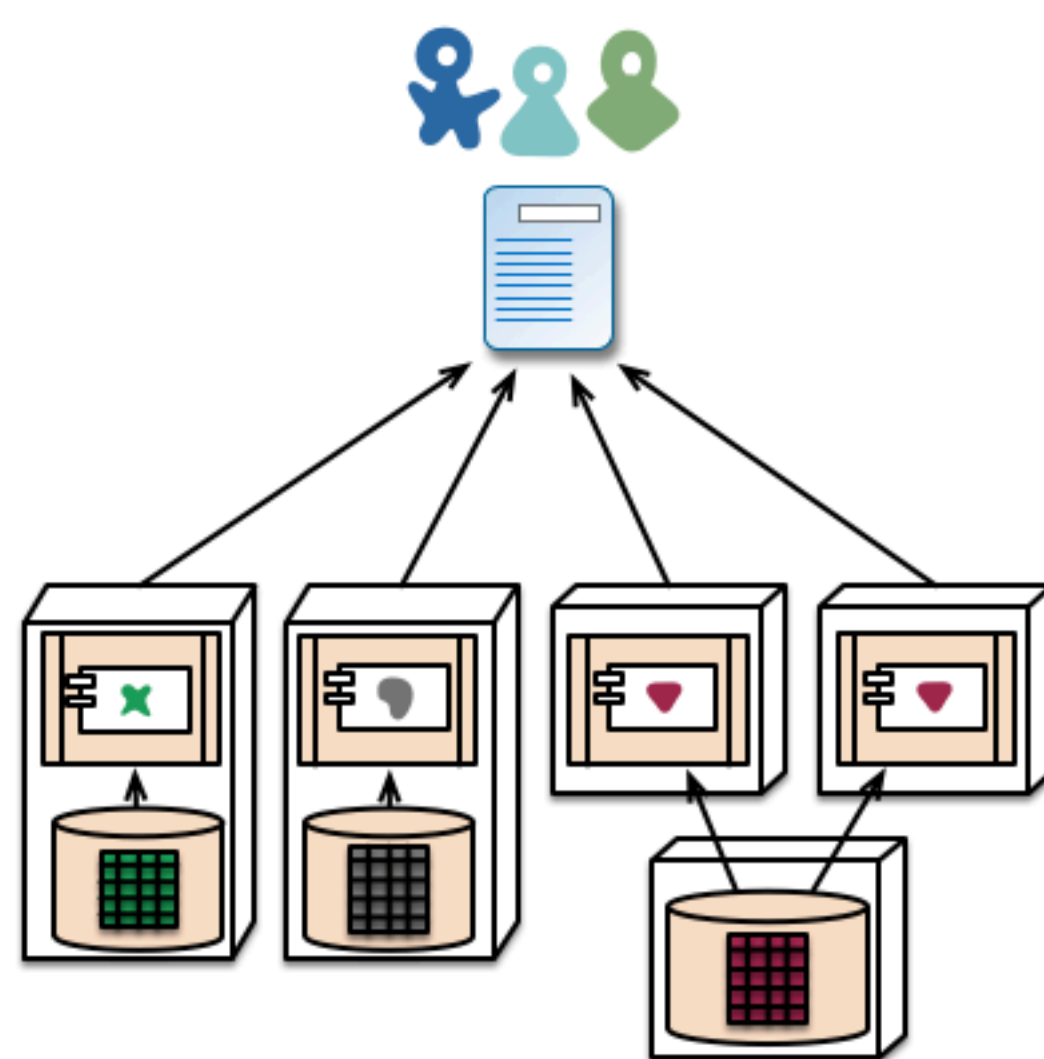
Benefits



Technology Heterogeneity



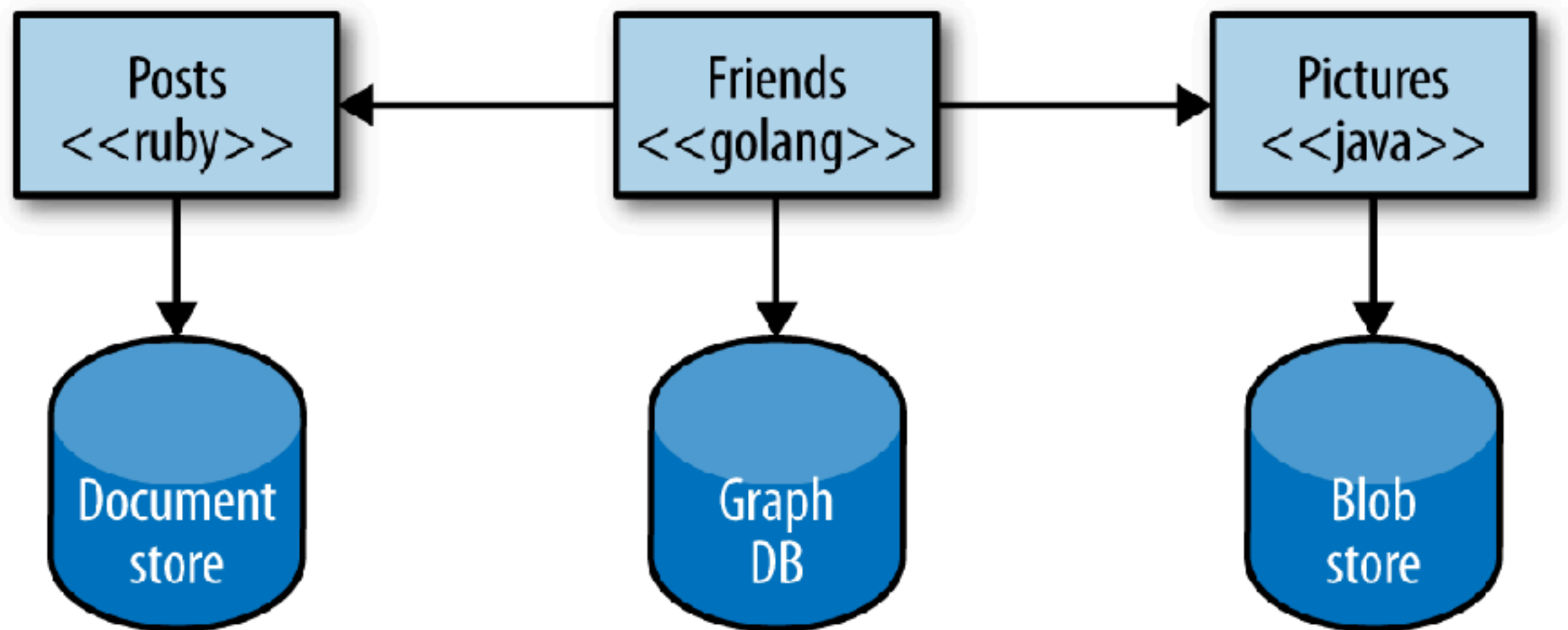
monolith - single database



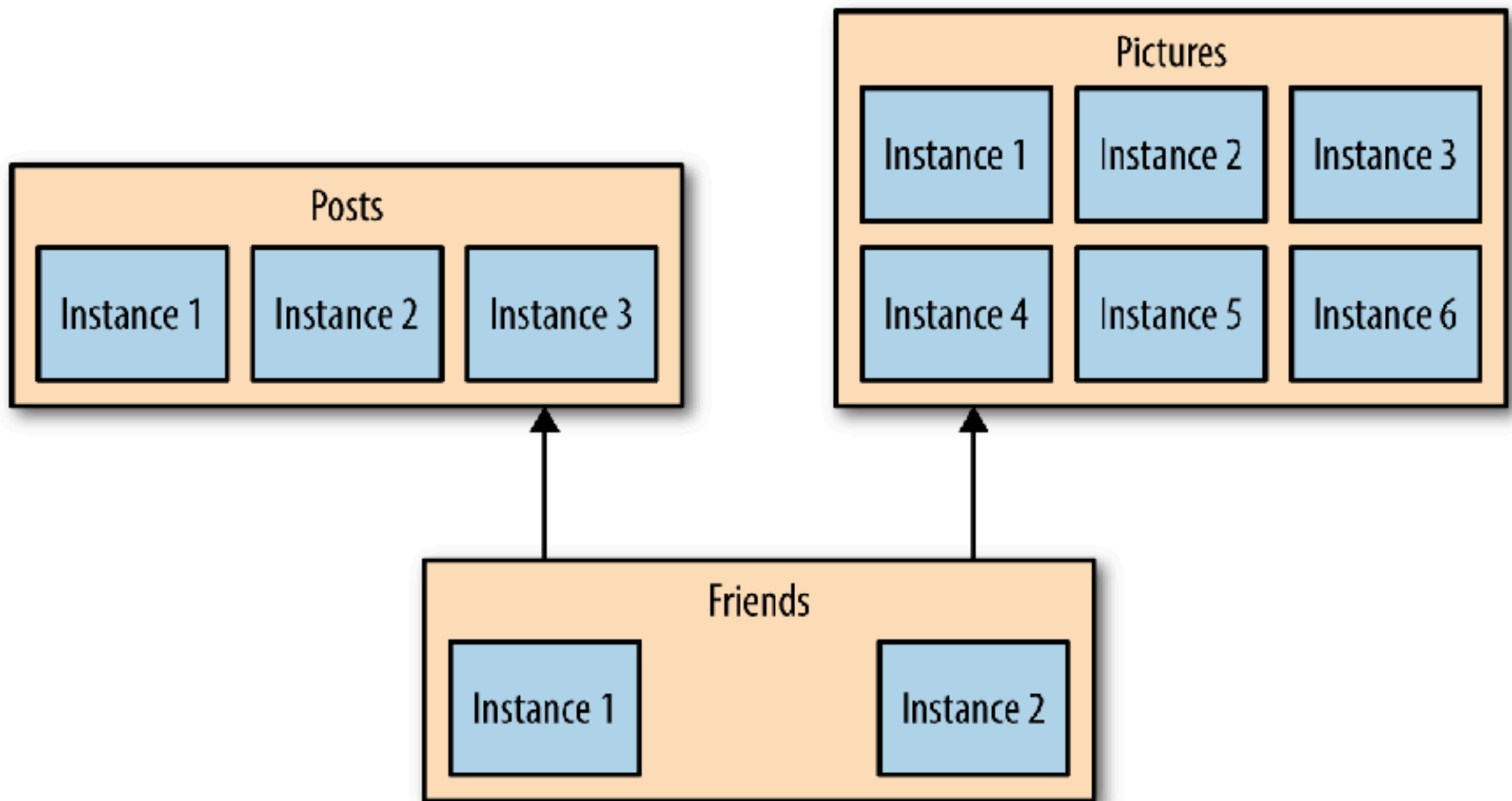
microservices - application databases



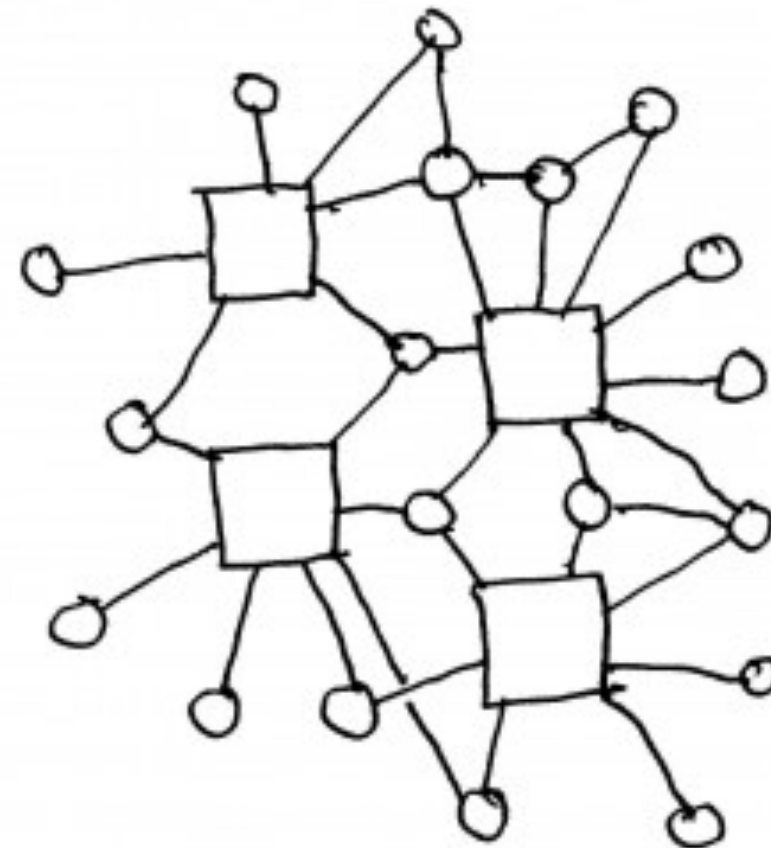
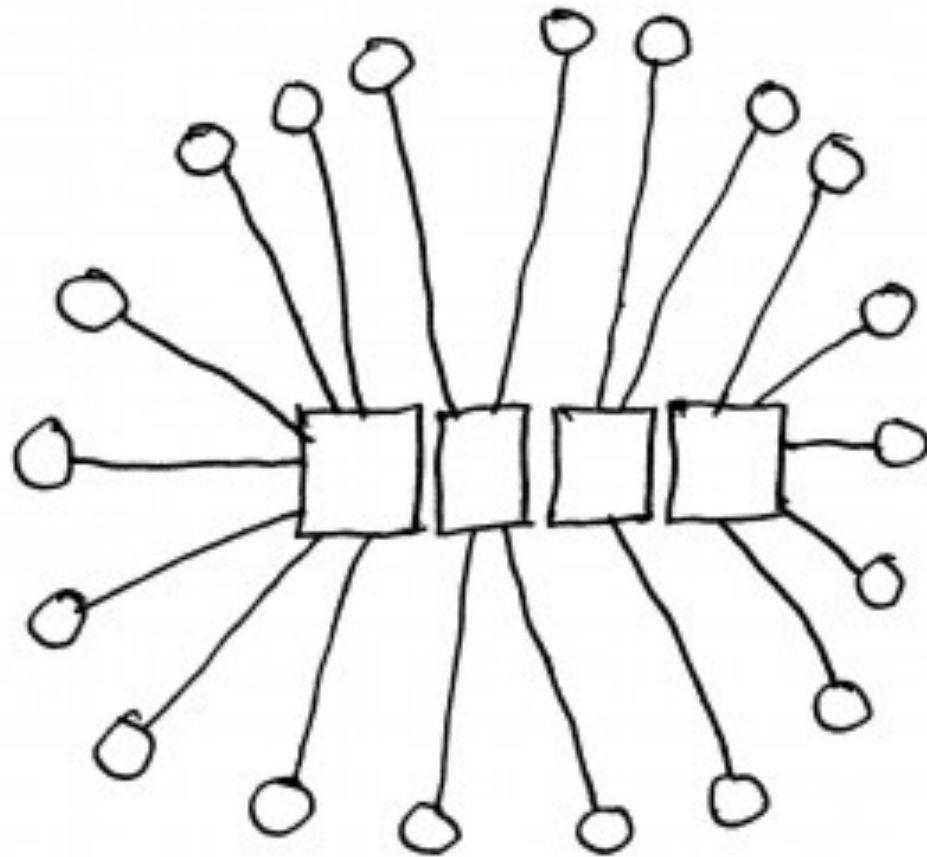
Technology Heterogeneity



Scaling

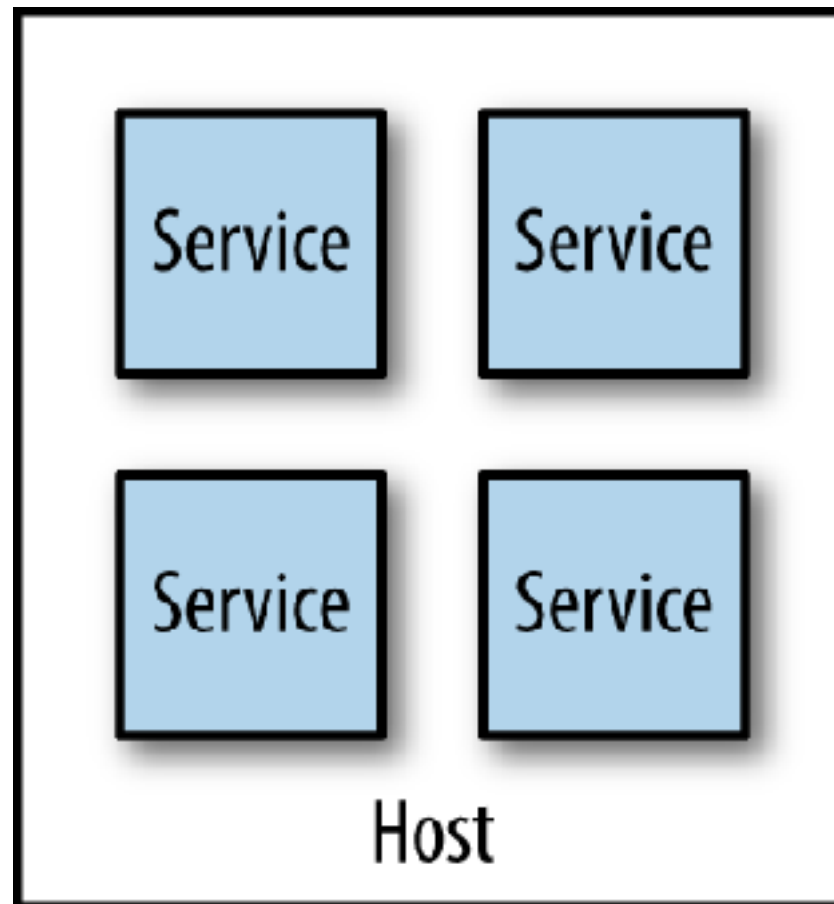


Resilience



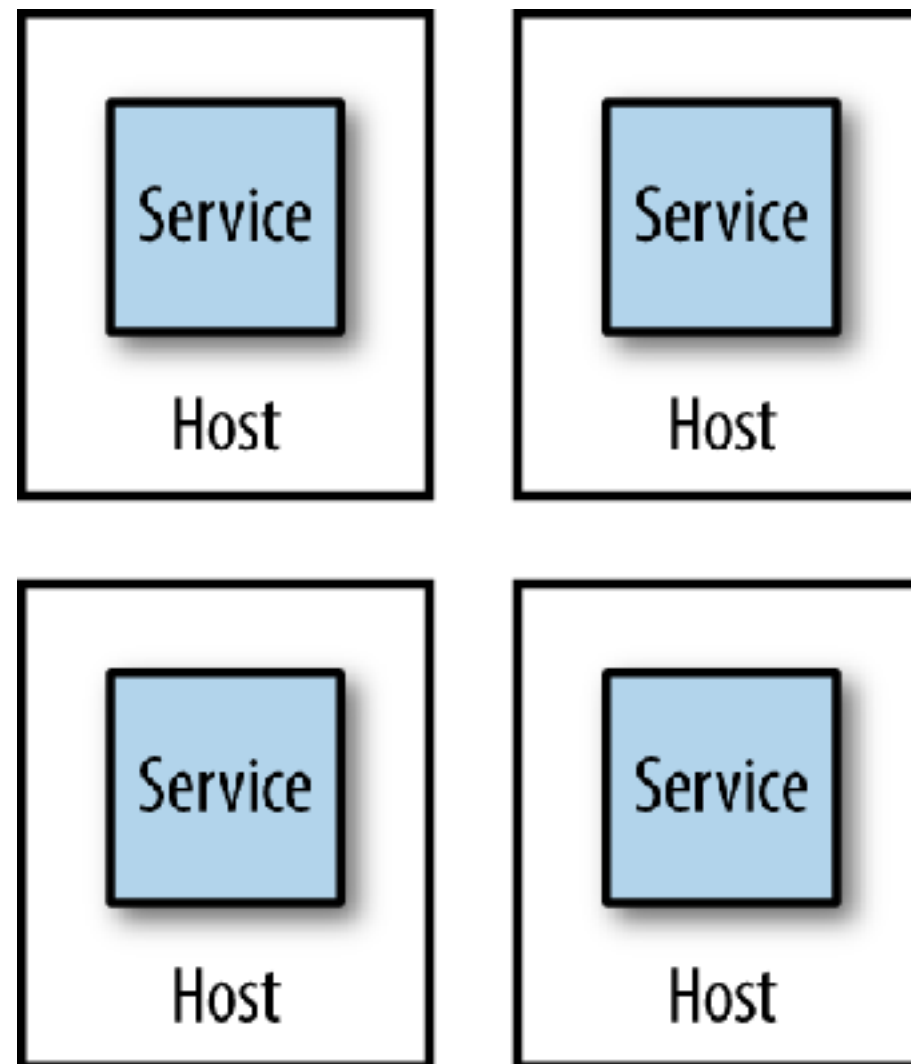
Ease of Deployment

Multiple services per host



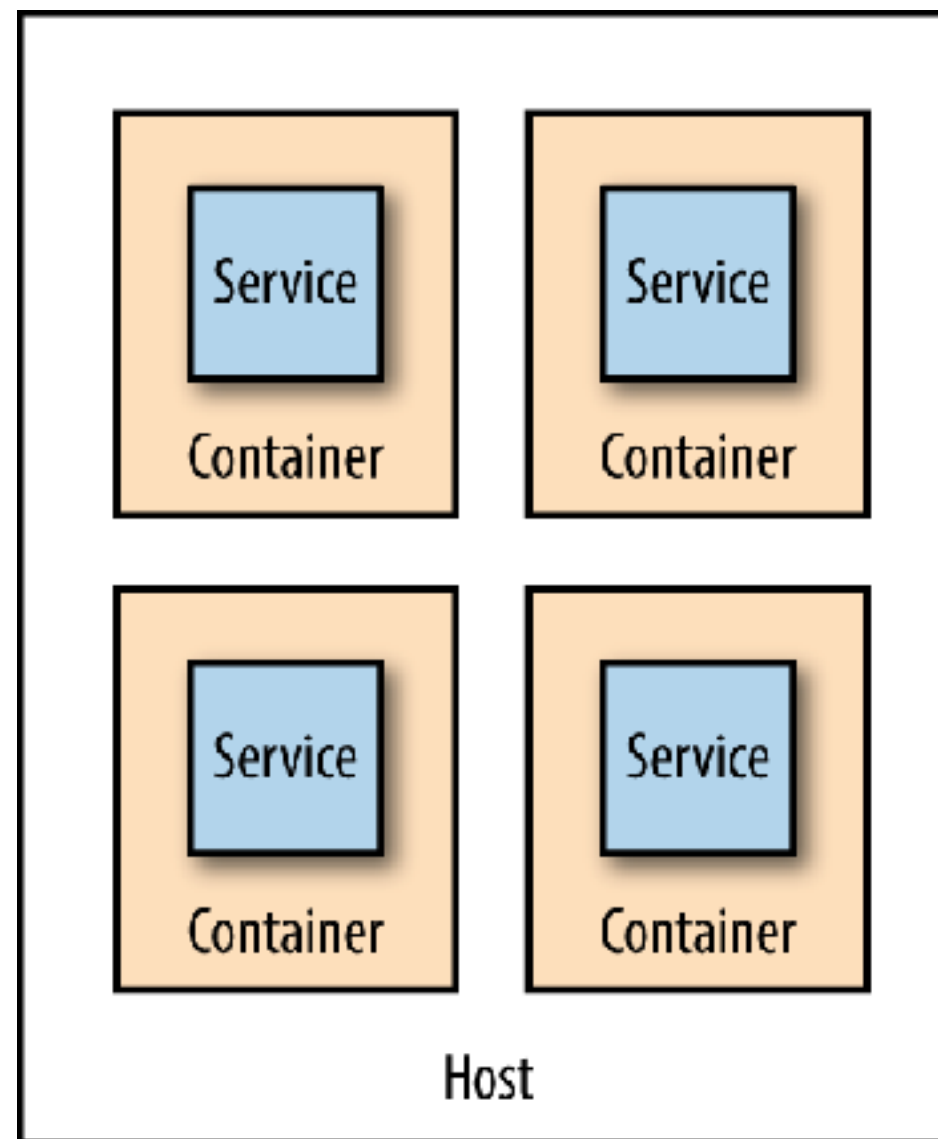
Ease of Deployment

Single services per host



Ease of Deployment

Running services in separate containers



How to model services ?



Good service ?

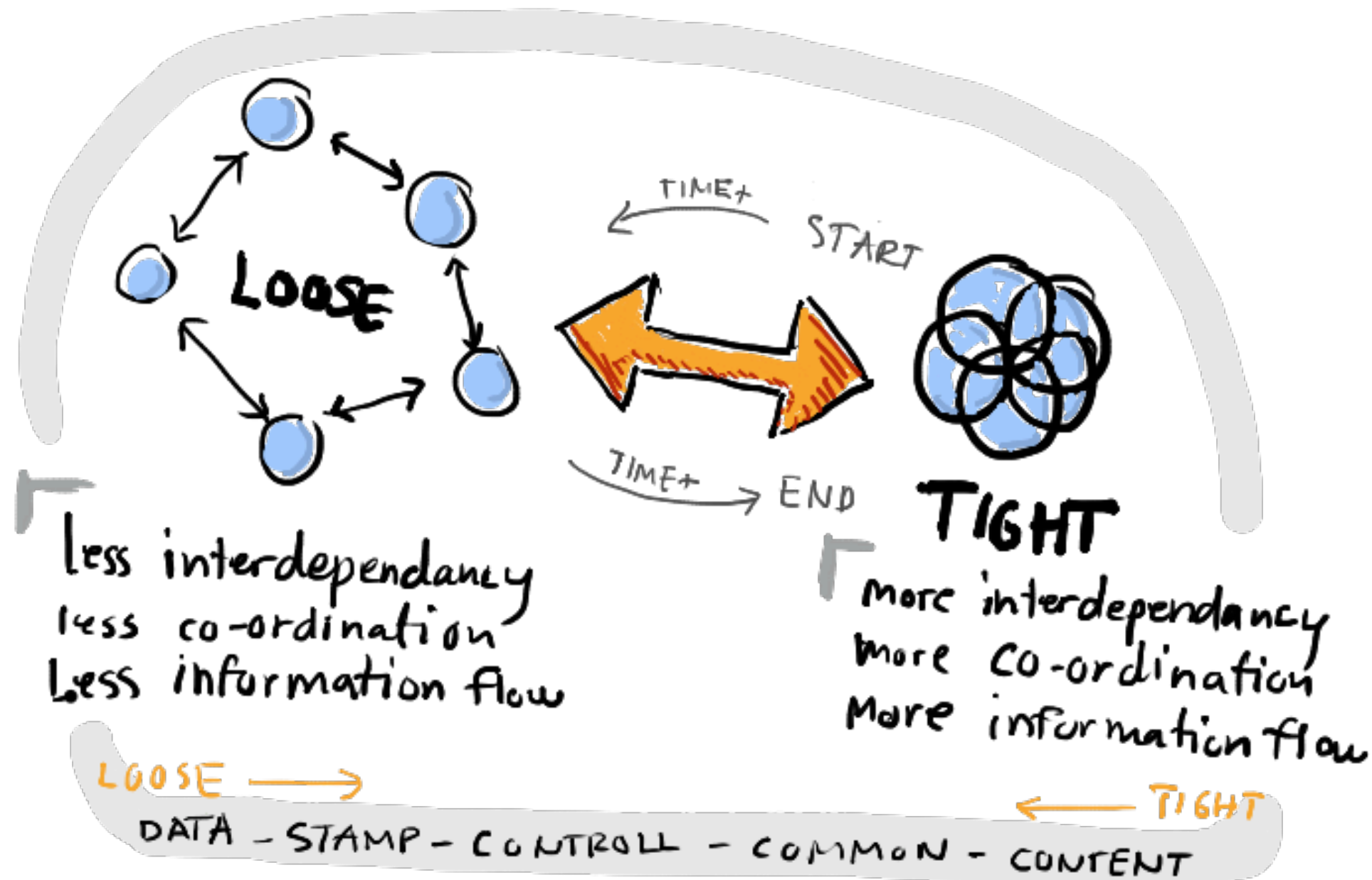
Loose coupling
High cohesion



Loose coupling



Loose coupling



<https://infomgmt.wordpress.com/2010/02/18/a-visual-respresentation-of-coupling/>



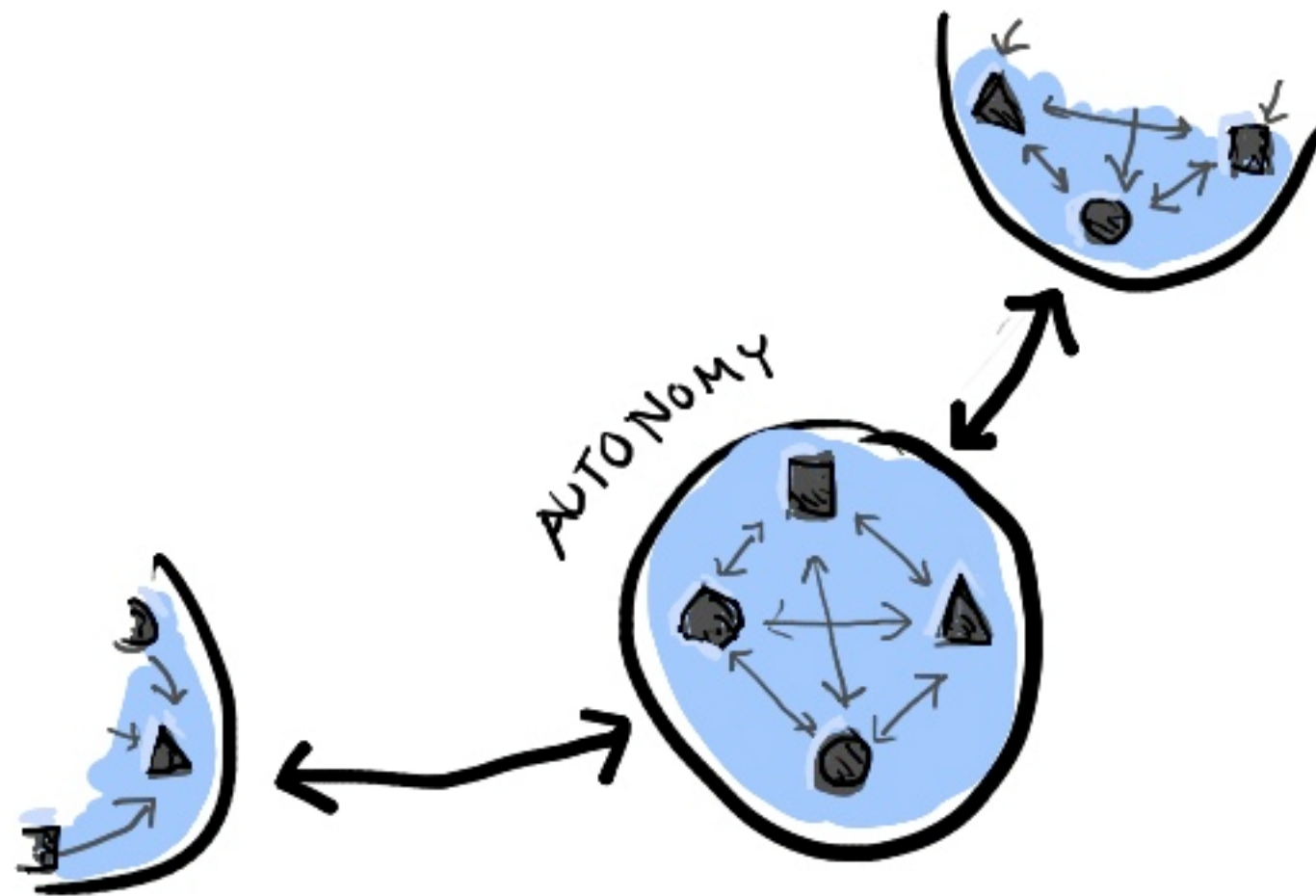
Loose coupling



<https://infomgmt.wordpress.com/2010/02/18/a-visual-respresentation-of-coupling/>



Loose coupling



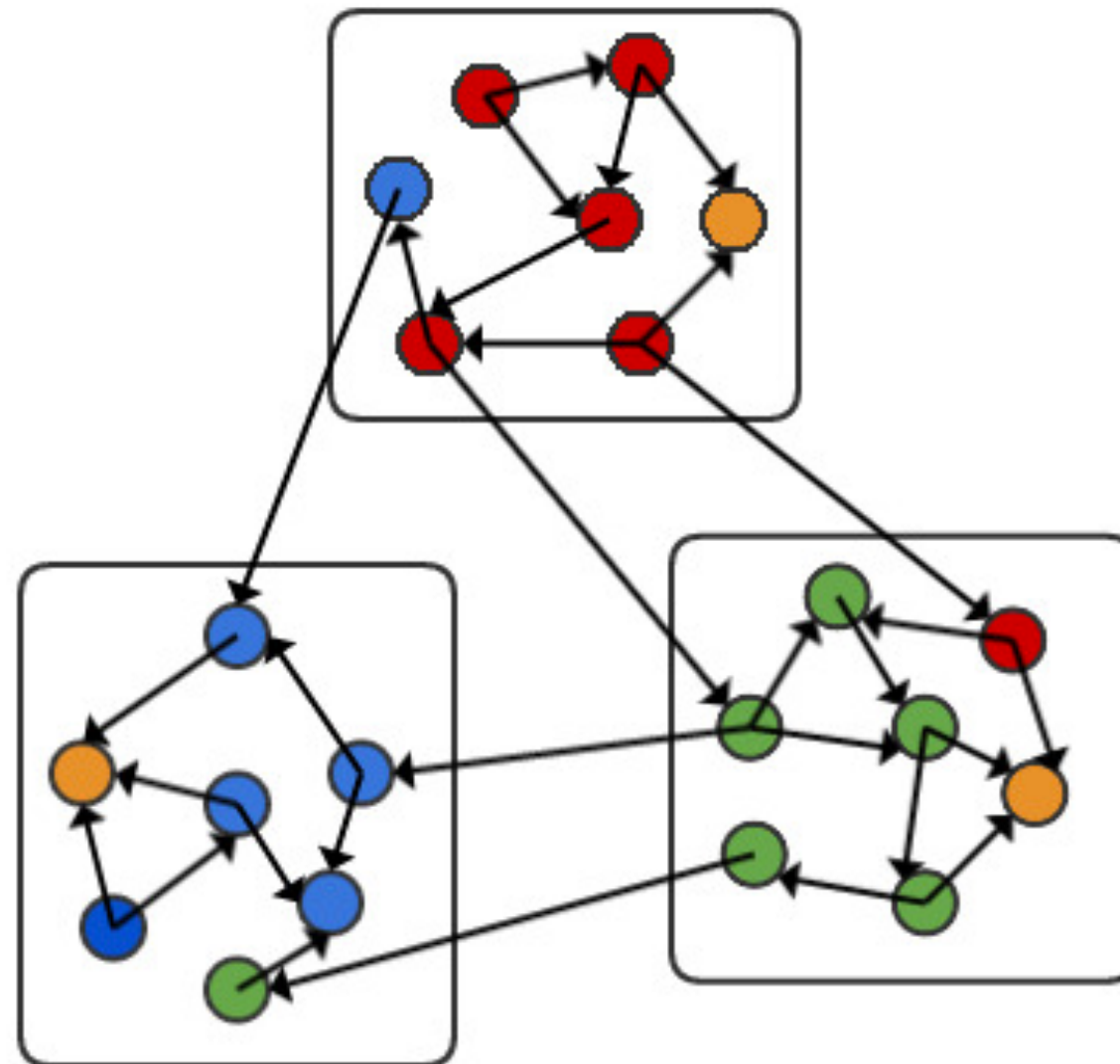
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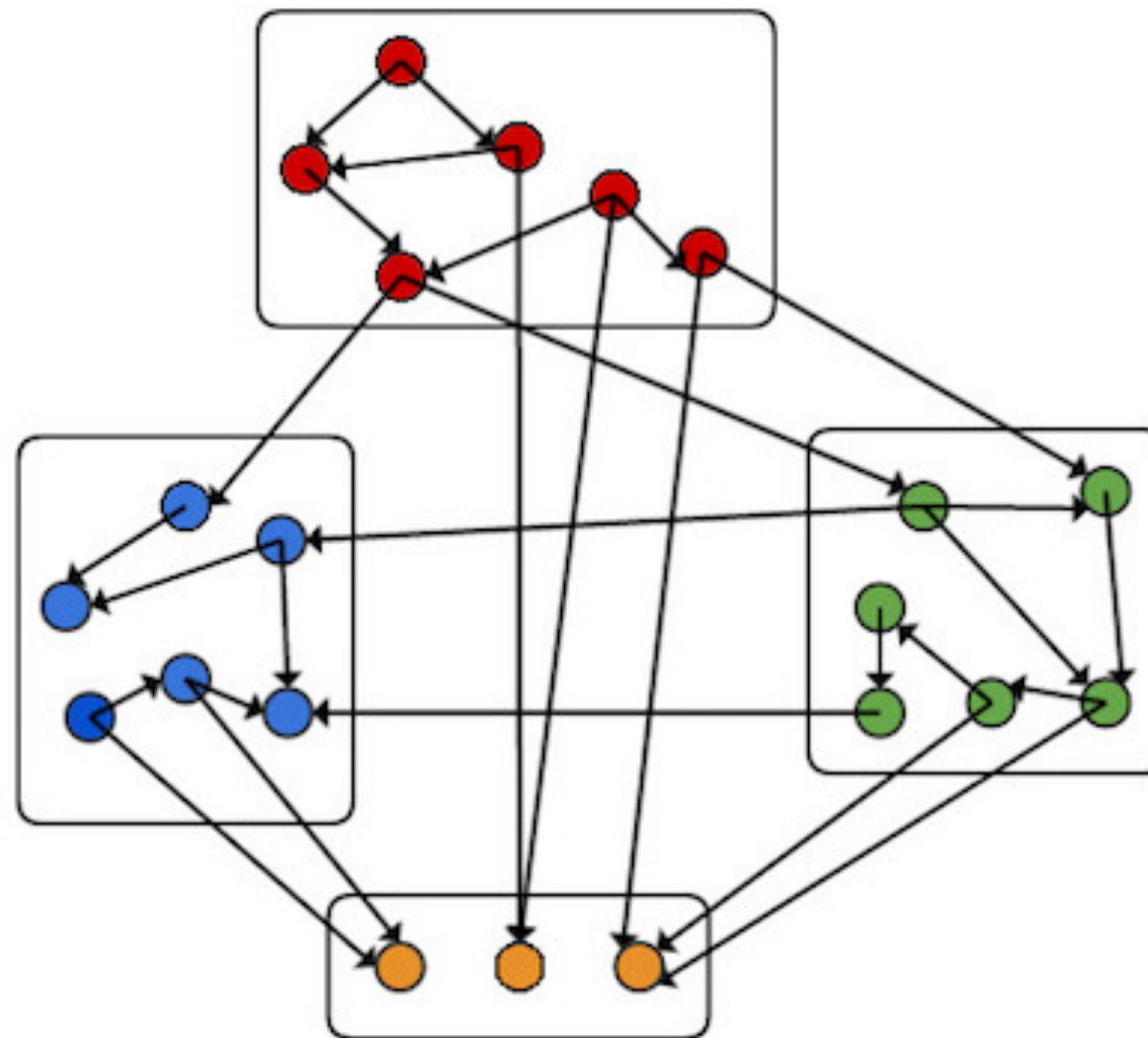
High cohesion



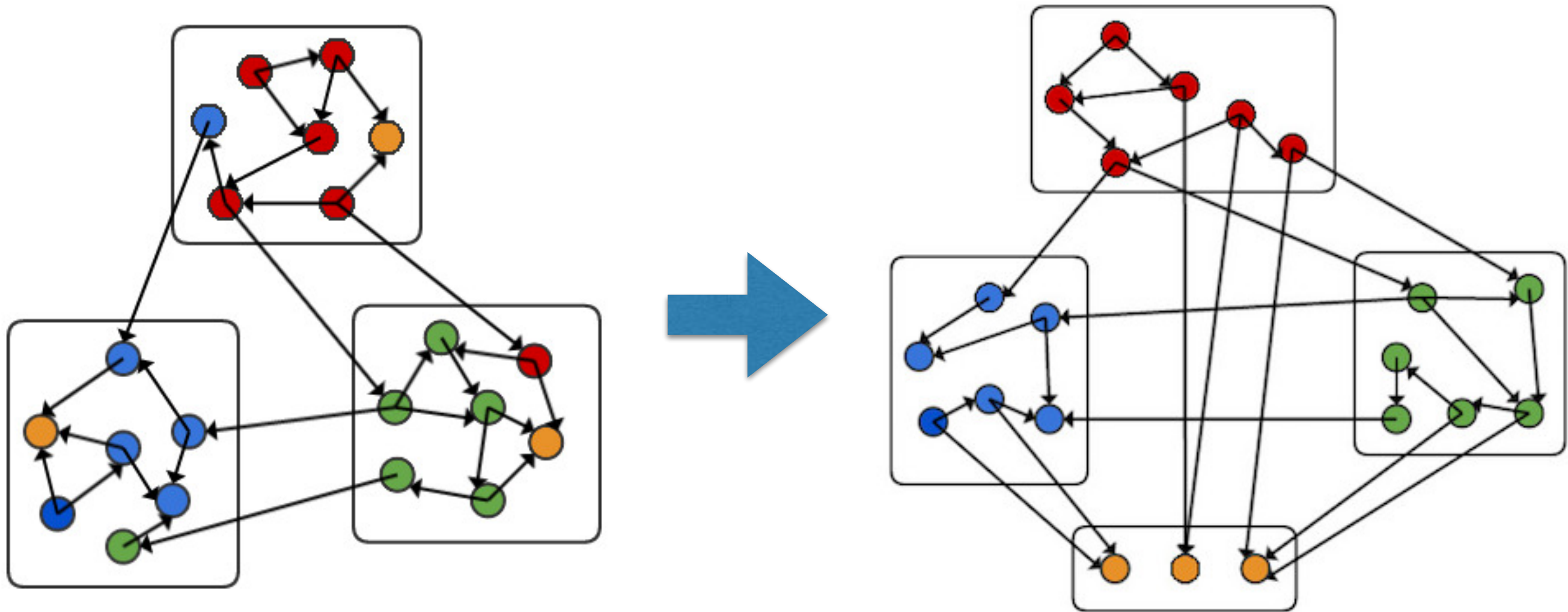
High cohesion



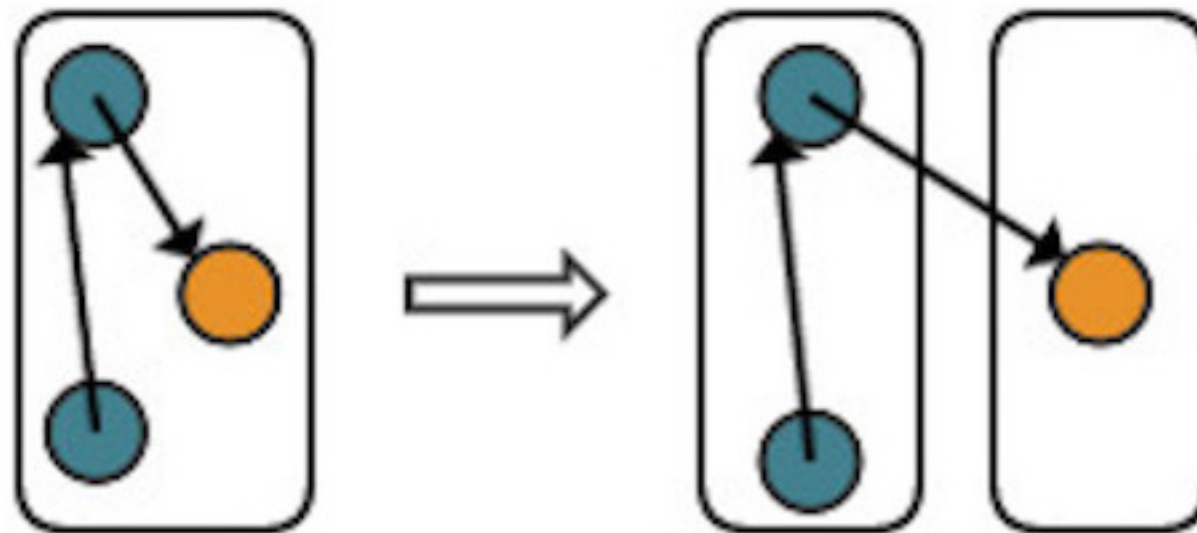
High cohesion



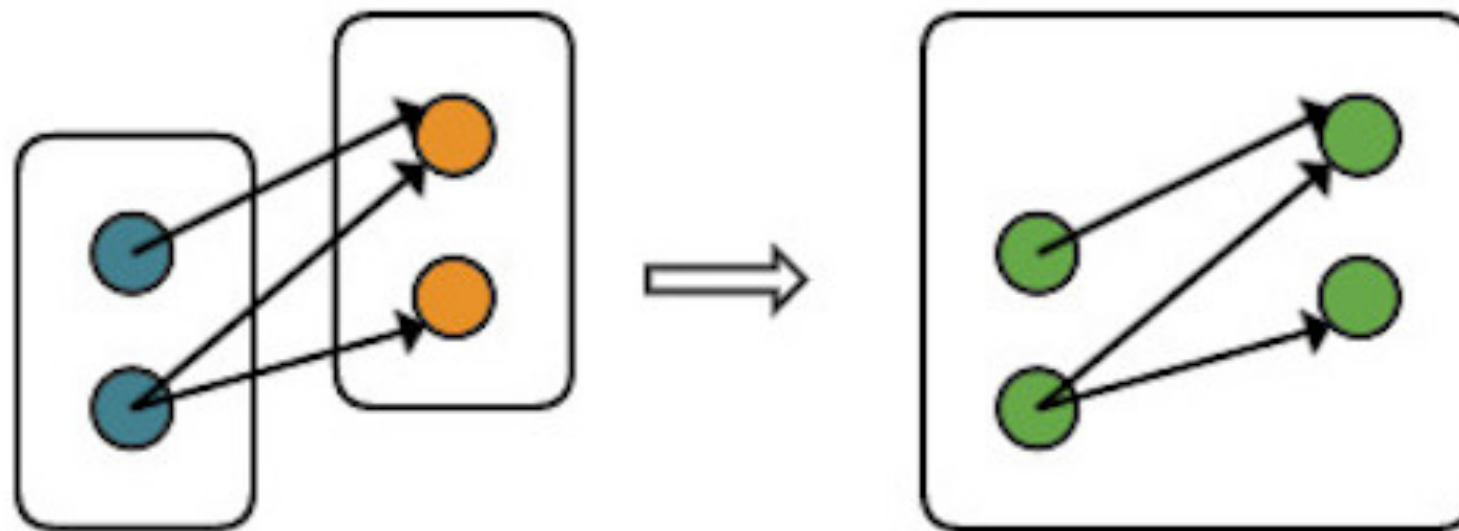
High cohesion



Same responsibility together

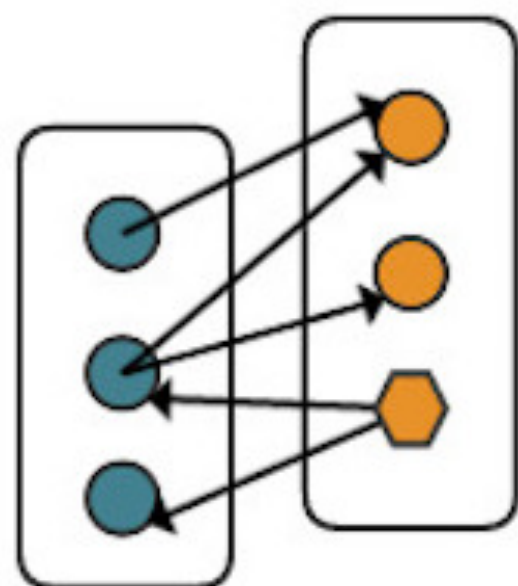


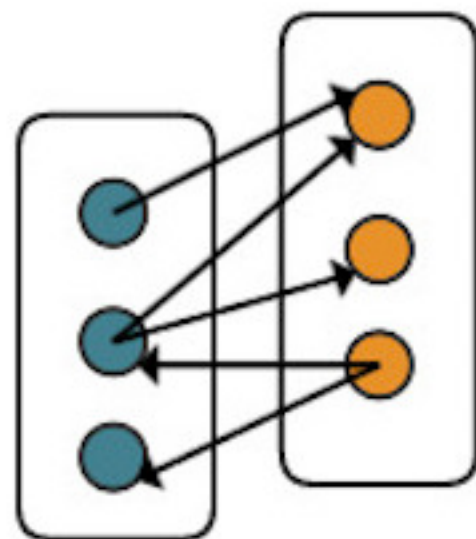
Grouping



Quiz



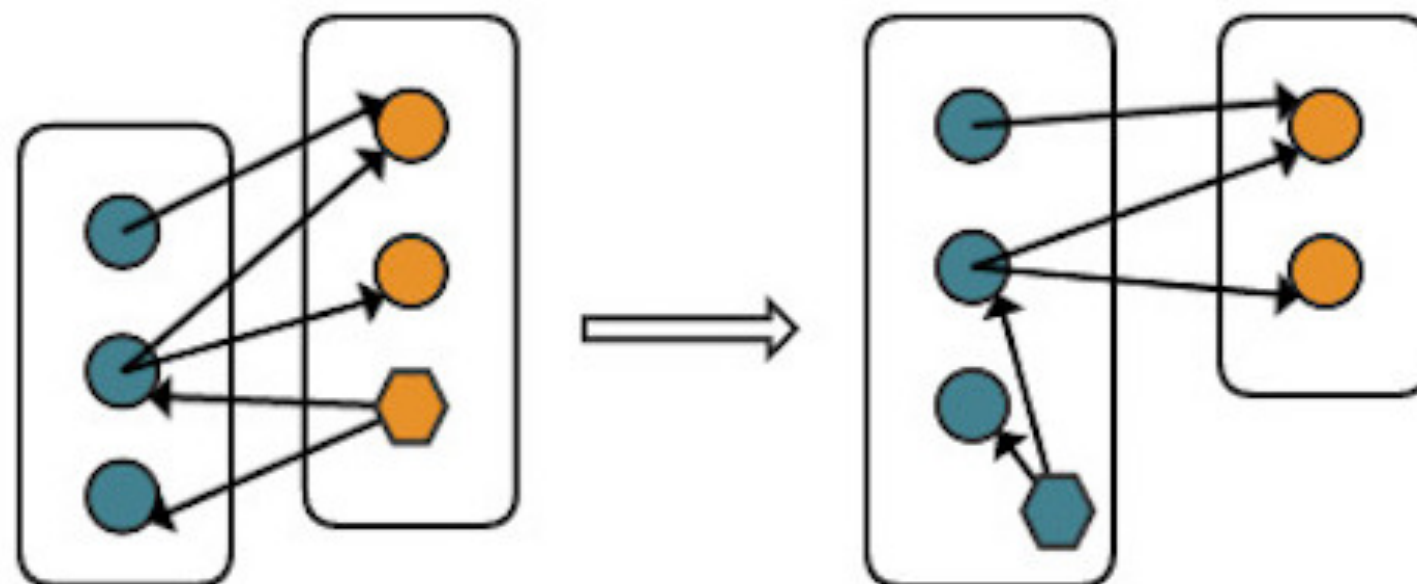


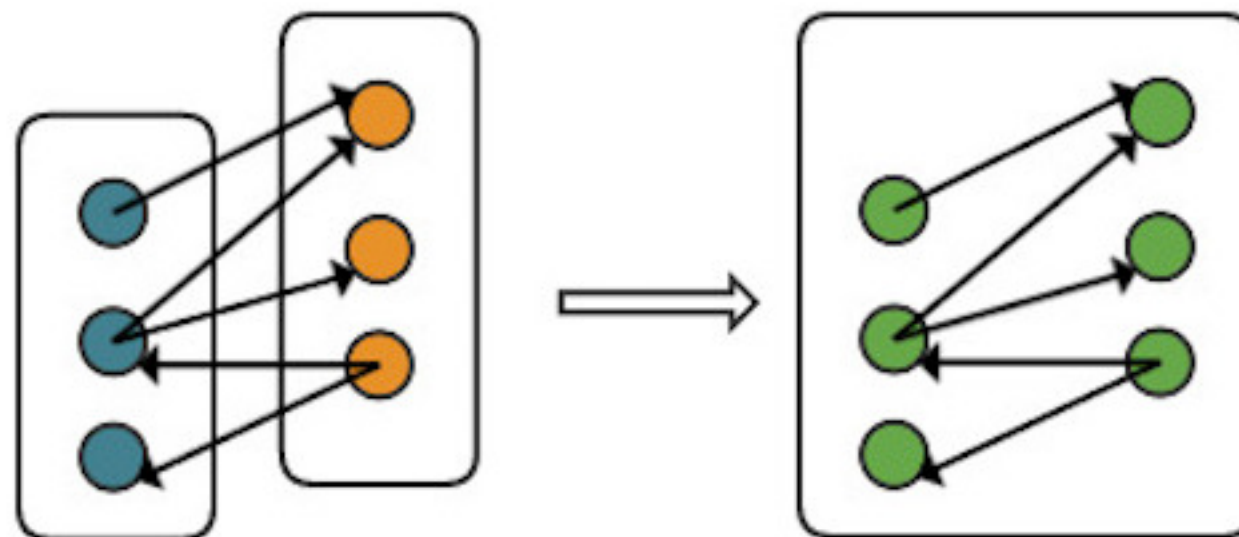


Coupling ?

Cohesion ?







Let's workshop

