clear internal	mation Hiding - creating deliniation between the implementation (what we hange) and the external interfaces.	Cohesion "The code that changes together stays together"	Coupling  Chanes in one service shouldn't cause changes to another service.	Domain  Low / Loose (Most Desireable)	Pass Through Common Coupling	Content  High / Tight (Least Desireable)
Improved Development Time	More work done in parallel	Cohesion is high (business functionality)	Loose coupling			
Compreshesability	We can understand each microservice completely in isolation	Lary Constantine		Domain Coupling - one microservice needs to mak use of the functionality of another microservice.		Warehouse
Flexibility	delivery new functionality by combining microservices	Constantines Law "A Structure is stable if cohesion is strong and coupling is low"			Order Processor	
				Temporal Coupling  Happens at the same time, has to complete		Payment

to continue.

## Pass Through

## Data is needed by a third microservice first microservice passed data to second for that reason only

Order

Processor

Shipping

(Warehouse)

Solution 3 - Order Processor has the responsibility of creating shipping manifest, passes as blob to Warehouse, warehouse passes to shipping.

Shipping Manifest # ItemId

Solution 1

Switch to domain coupling

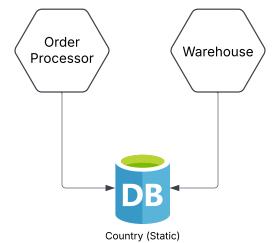
i.e. Order Processor

invokes Shipping directly.

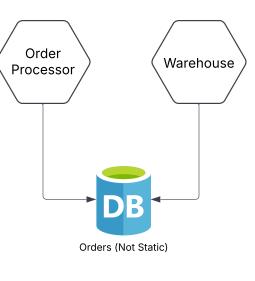
Solution 2 (Move Reponsibility of Creating Shipping Manifest to Warehouse).

## Common Coupling

## Multiple microservices share the use of a datastore



Read only



Reading / Writing

ld Status