# **Context Mapping in DDD**

**Bridging Teams and Systems with Strategic Insights** 

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#### • Essential tool in DDD

- Maps Relationships
- Depicts dependencies and interactions
- Assists in maintenance of existing systems
- Aids in design of new architectures
- Facilitates team collaboration and integration

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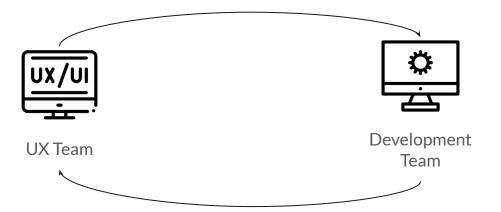
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# Team Relationships: Deep Dive

#### **Mutually Dependent**

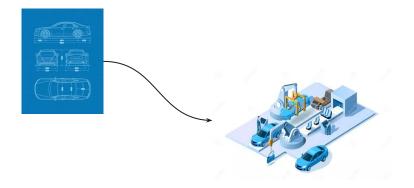
Two teams or bounded contexts are interdependent. Bilateral success is closely tied, and they often share data, functionality, and capabilities.



# Team Relationships: Deep Dive

#### **Upstream / Downstream**

Actions of upstream team significantly impact the downstream team, but not vice versa. The upstream team has more influence or control in the relationship.



# Team Relationships: Deep Dive

#### Free

Teams or bounded contexts are independent; changes in one do not impact the other. There's no direct organizational or technical dependency.



HR Management Team



Trading Platform Team

#### **Open-host Service**

Offers access to your context as a set of strictly defined services.



#### **Published Language**

Well-documented shared language for model translation between contexts.





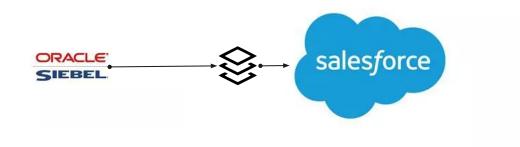
#### Conformist

Downstream context strictly adheres to the upstream model, simplifying integration but limiting design flexibility.



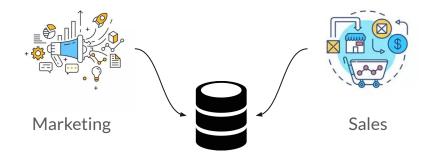
#### **Anticorruption Layer**

Acts as a buffer, translating between different models of upstream and downstream contexts, preserving downstream context integrity.



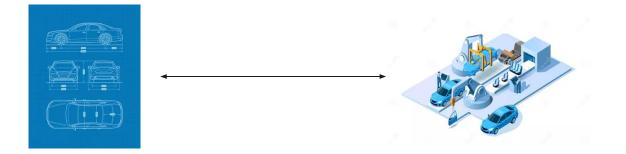
#### **Shared Kernel**

A shared part of the model and codebase between two contexts, requiring close collaboration.



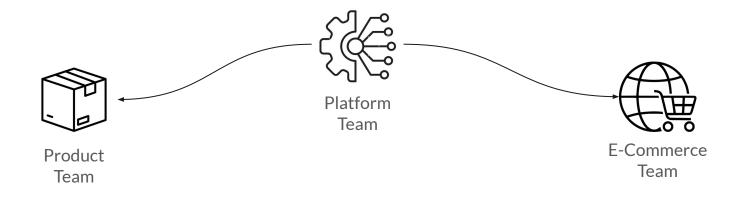
#### Partnership

Close collaboration between contexts where each context's success is mutually dependent.



#### **Customer / Supplier Development**

Upstream context considers downstream context's needs in planning and development.



#### **Separate Ways**

Contexts operate independently with no significant relationship



HR Management



Trading Platform

#### **Big Ball Of Mud**

Contexts operate independently with no significant relationship

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No. 4 1860 (ft)					Visioht mater			Centrifuce							÷
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1/6/2015 00:00 No. 6 4075 (B)					Cuttings		1	Pit cleaning Formation							
1/7/2015 00:00															
110.7 4950 (ft) 1/8/2015 00:00		?		_			]								
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Clarity



Clarity



**Risk Mitigation** 



Clarity



Communication



**Risk Mitigation** 



Clarity



Communication



**Risk Mitigation** 



Maintenance



Clarity



Communication





**Risk Mitigation** 



Maintenance



Clarity



Communication





**Risk Mitigation** 



Maintenance



Evolution



Time & Resources Intensive



Time & Resources Intensive



Misinterpretation & Conflict



Time & Resources Intensive



Complexity



Misinterpretation & Conflict



Time & Resources Intensive



Complexity



Misinterpretation & Conflict



Rapid changes



Time & Resources Intensive



Complexity



Requires expertise



Misinterpretation & Conflict



Rapid changes

# Q&A

Sources: https://github.com/ddd-crew/context-mapping/tree/master



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