

# Breaking Monolith to Microservices

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# Breaking Monolith to Microservices

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- Quite common scenario
- The organization wants to improve the current system
- Needs to be thoroughly planned
- High rate of failures

# Motivation for Breaking Monolith

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- Shorten update cycle
- Modularize the system
- Save costs
- Modernize the system
- Being attractive

# Strategies for Breaking Monolith

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- Breaking Monolith is a delicate process
- Must be planned ahead
- There are three main strategies for that

# Strategies for Breaking Monolith

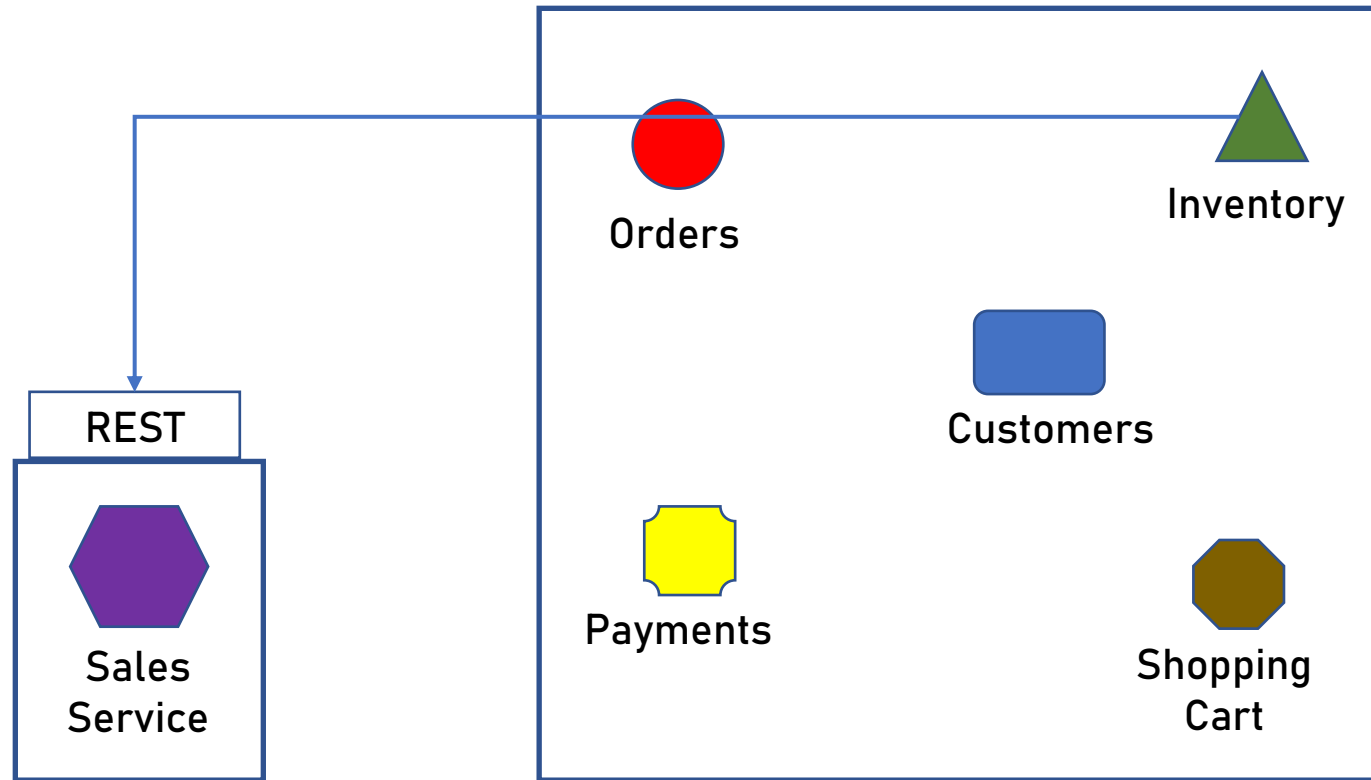
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New Modules as Services

Separate Existing Modules to  
Services

Complete Rewrite

# New Modules as Services



# New Modules as Services

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## Pros

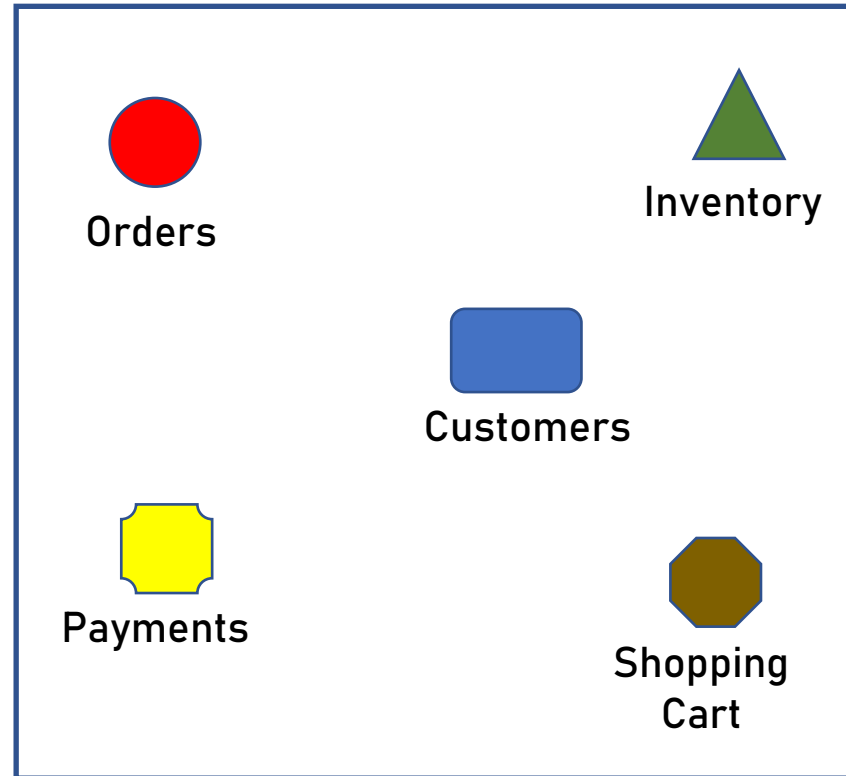
- Easy to implement
- Minimum code changes

## Cons

- Takes time
- End result is not pure

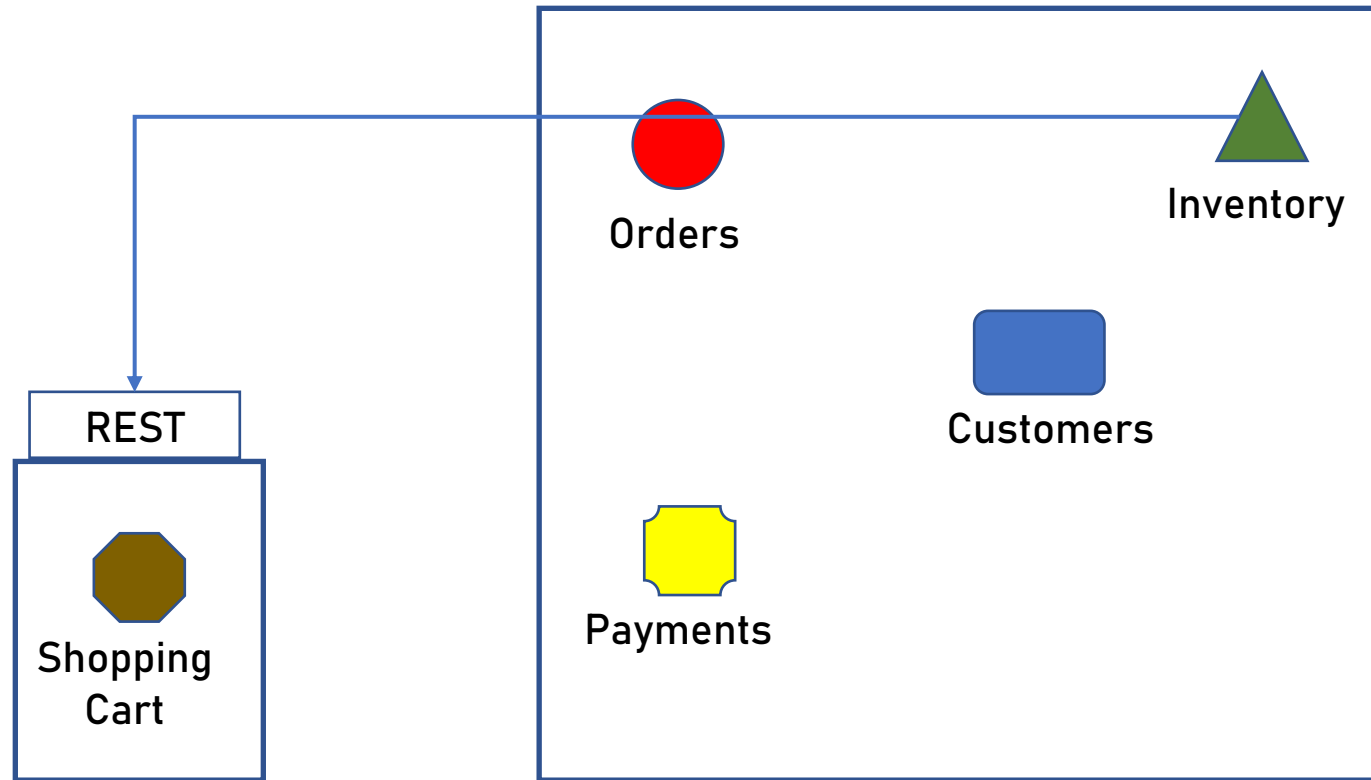
Microservices architecture

# Separate Existing Modules to Services





# Separate Existing Modules to Services



# Separate Existing Modules to Services

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## Pros

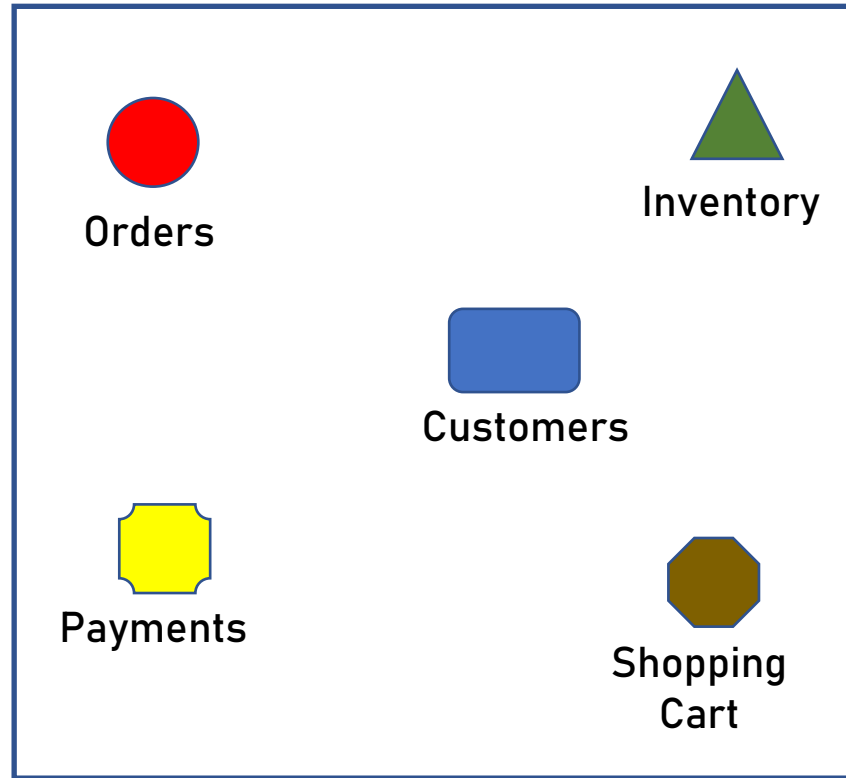
- End result is pure

Microservices architecture

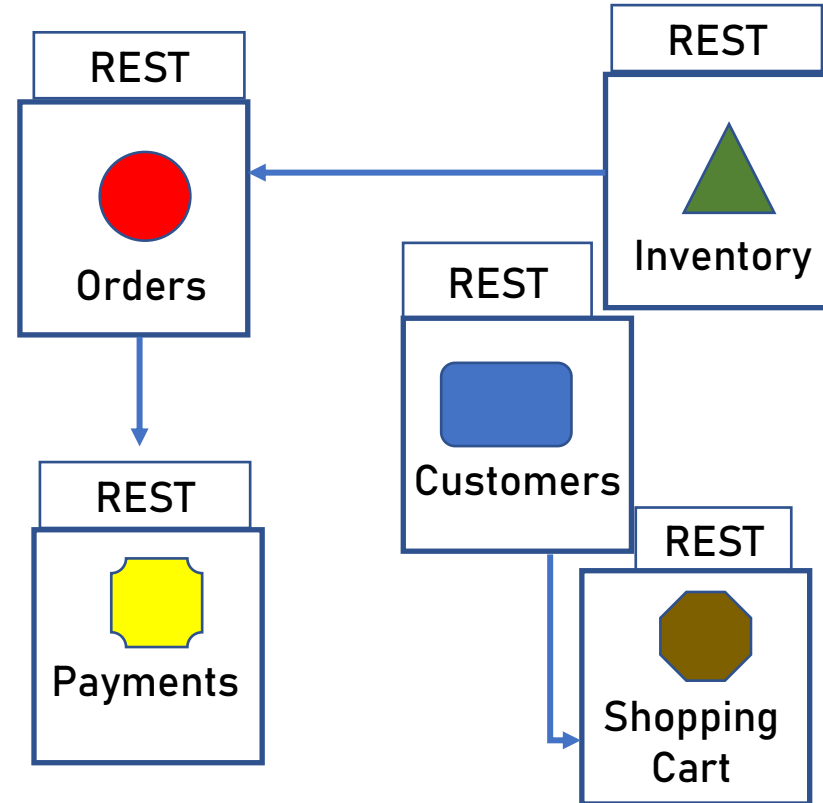
## Cons

- Takes time
- A lot of code changes
- Regression testing required

# Complete Rewrite



# Complete Rewrite



# Complete Rewrite

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## Pros

- End result is pure  
Microservices architecture
- Opportunity for  
modernization

## Cons

- Takes time
- Rigorous testing required