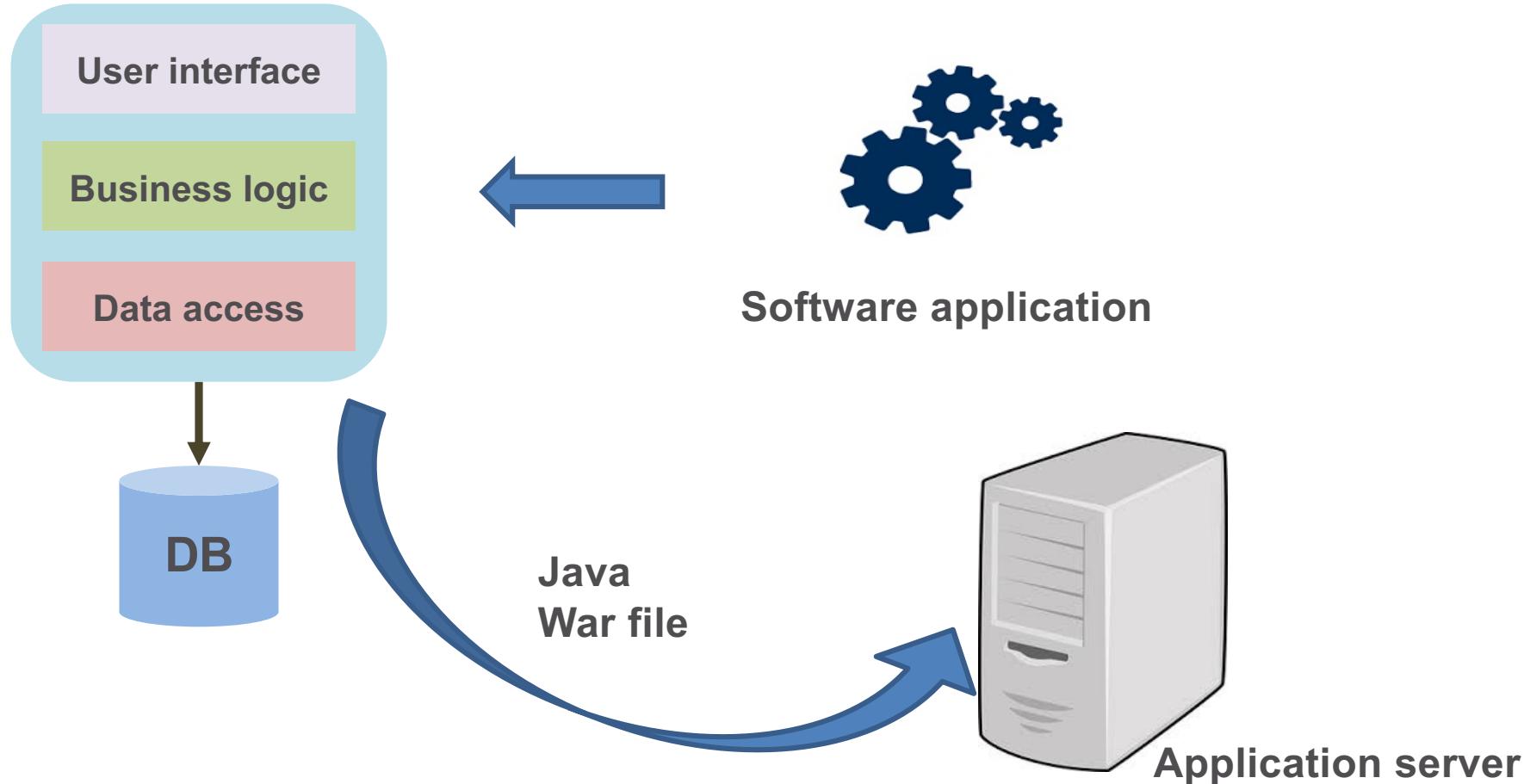
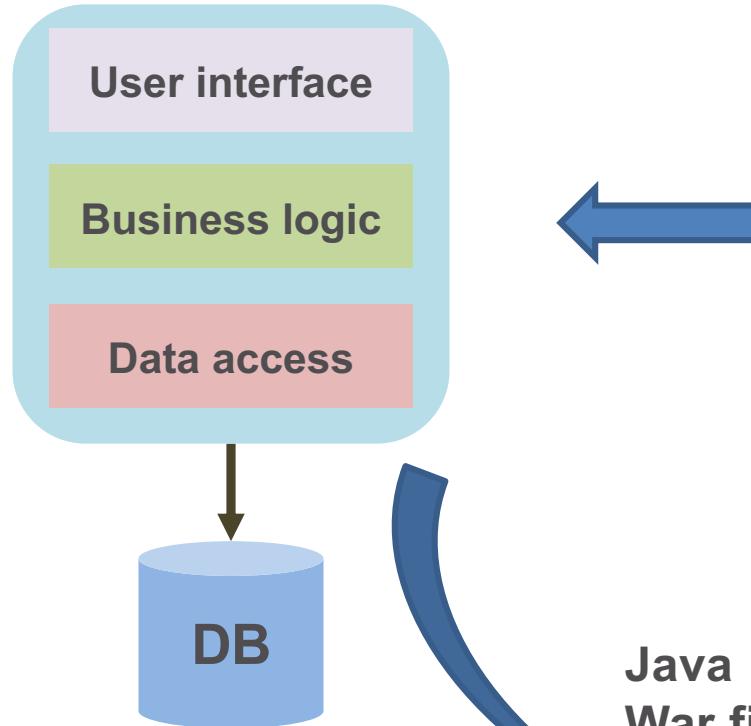


# MICROSERVICES

## Monolithic application



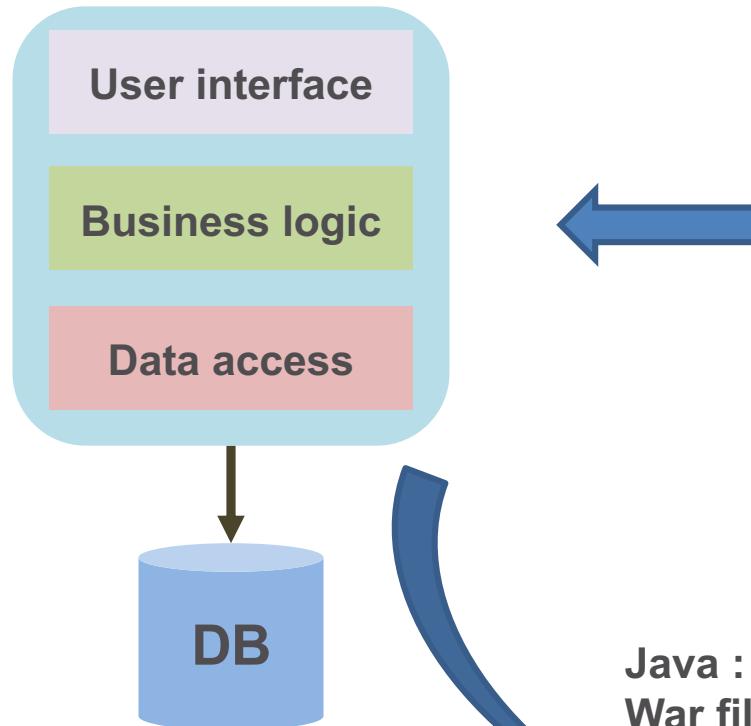
## Monolithic application



### Advantages:

- ✓ One code base
- ✓ Simple to realize
- ✓ Database easy to handle
- ✓ Efficient for small applications

## Monolithic application



### Software application

#### Advantages:

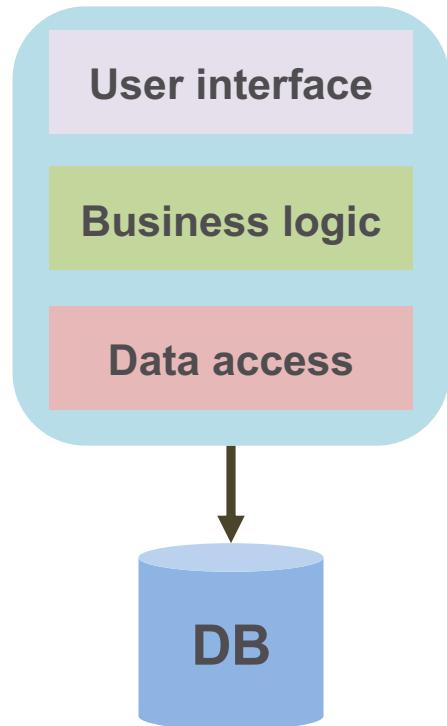
- ✓ One codebase
- ✓ Simple to realize
- ✓ Database easy to handle
- ✓ Efficient for small applications

#### Limits:

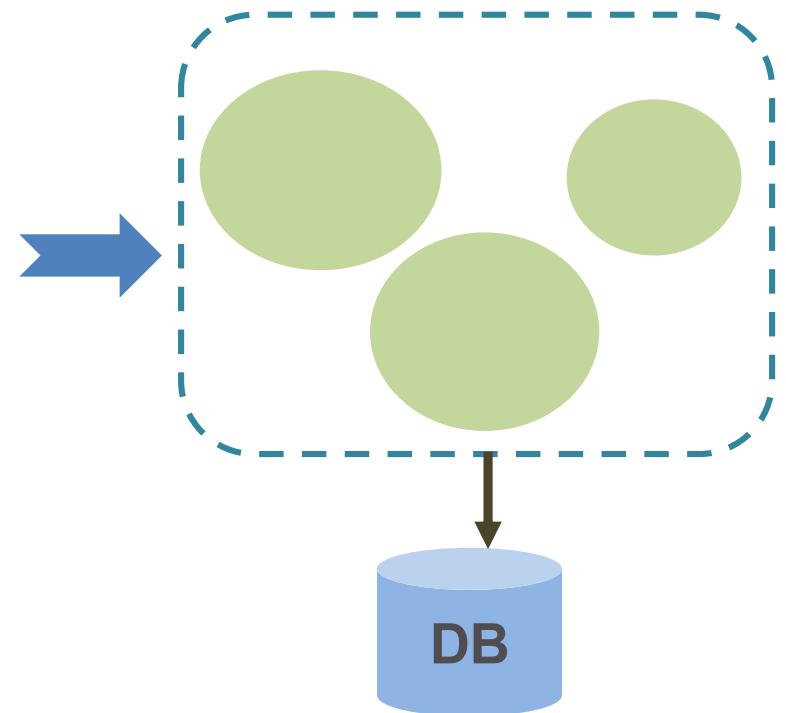
- ✗ Strong coupling of the components
- ✗ Long build and deployment time
- ✗ Hard to scale

### Application server

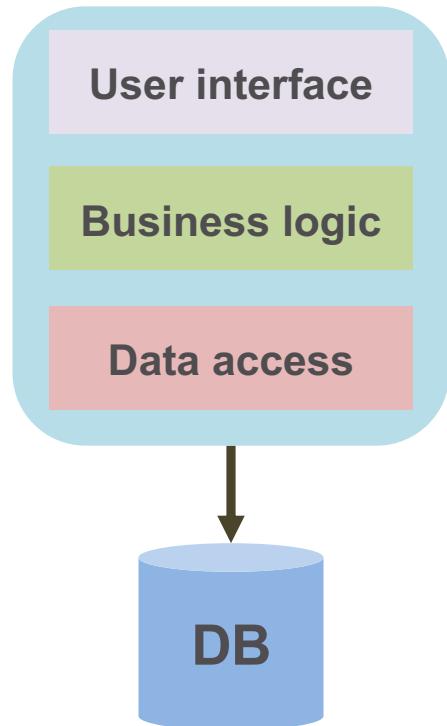
## Monolithic application



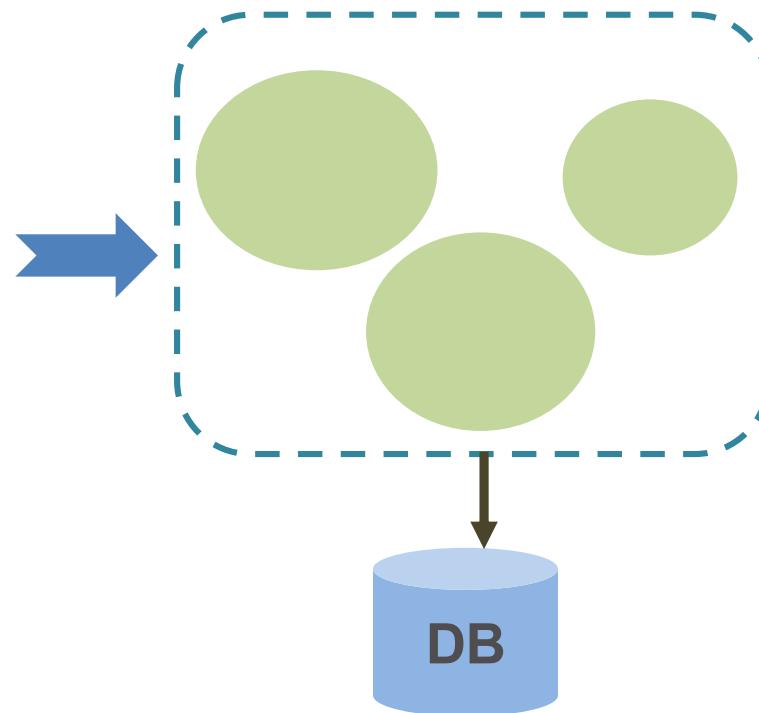
## Service oriented application



## Monolithic application



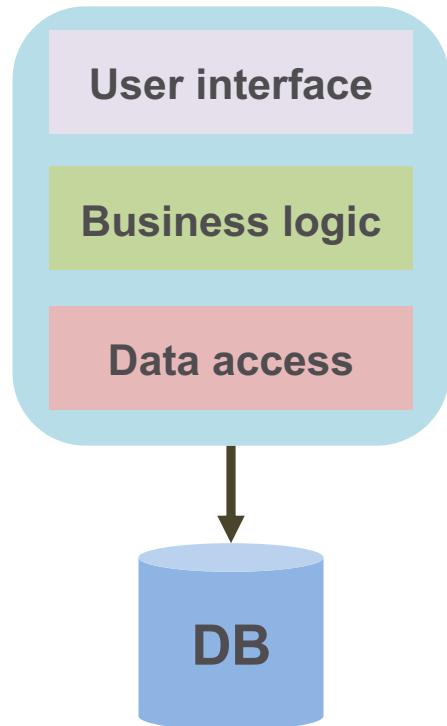
## Service oriented application



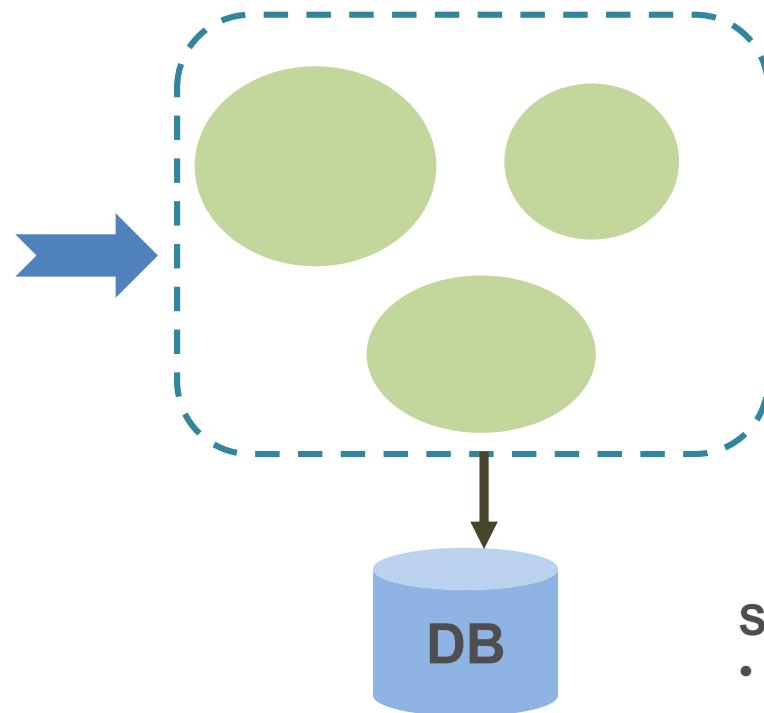
### SOA advantages:

- Modularity, loosely coupling
- Technologies freeness
- Standard communication interfaces
- Interoperability

## Monolithic application



## Service oriented application



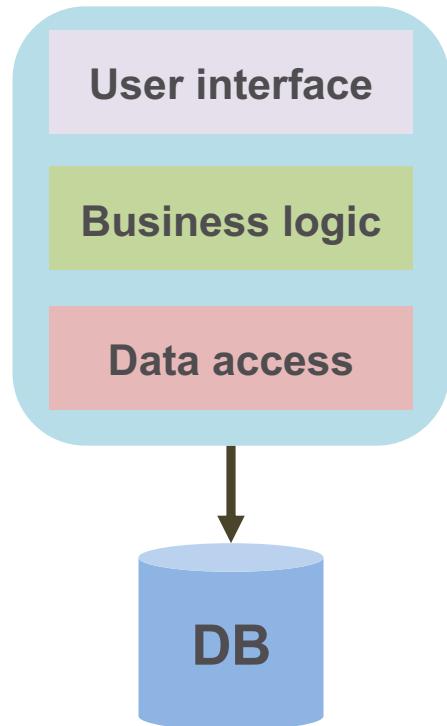
### SOA advantages:

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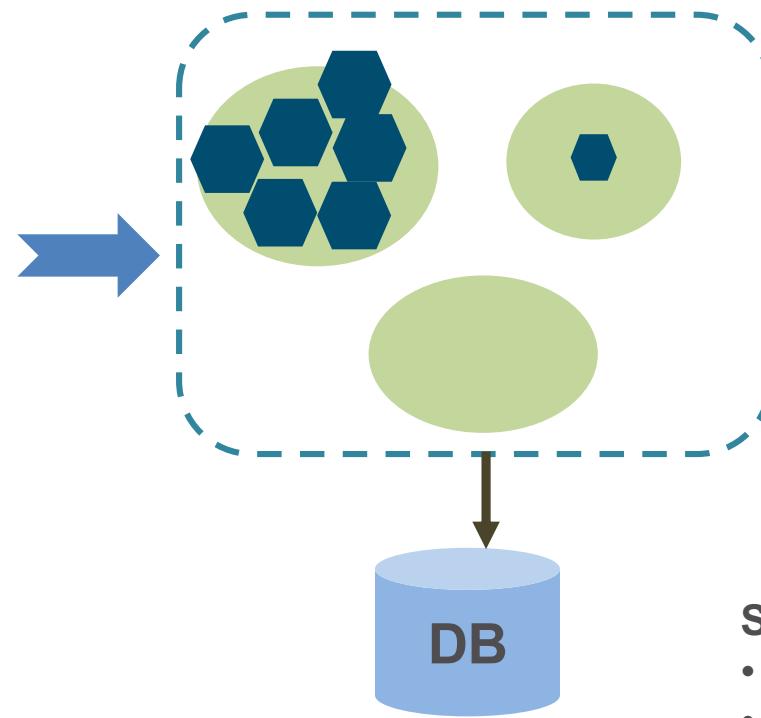
### SOA limits:

- Complex to implement (WSDL,SOAP)

## Monolithic application



## Service oriented application



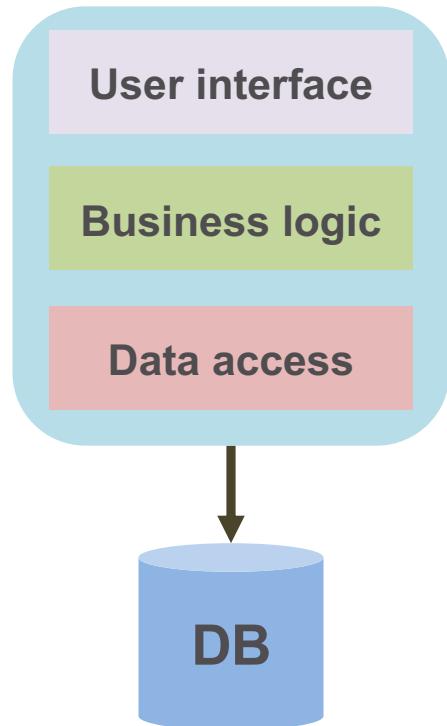
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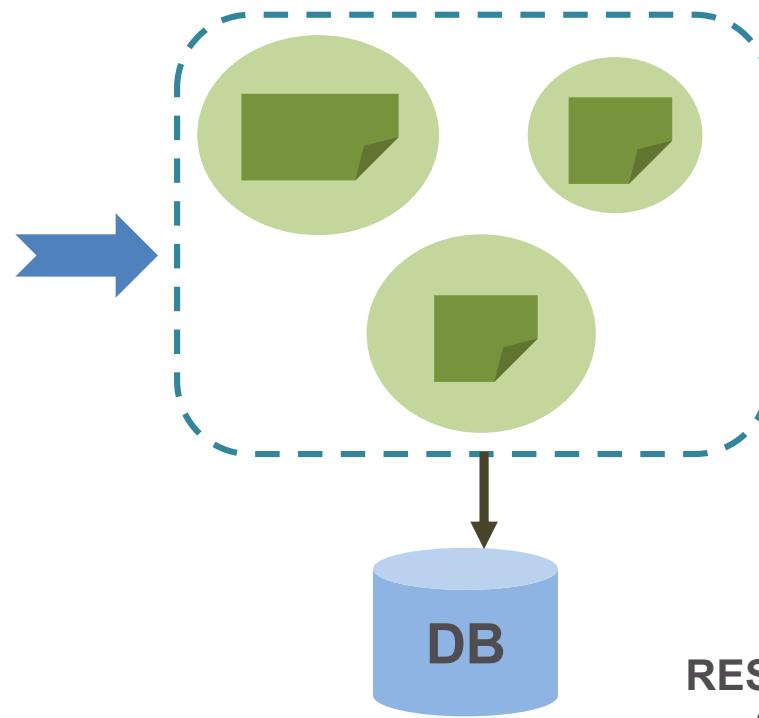
### SOA limits:

- Complex to implement (WSDL,SOAP)
- Services granularity?

## Monolithic application



## Resource oriented application

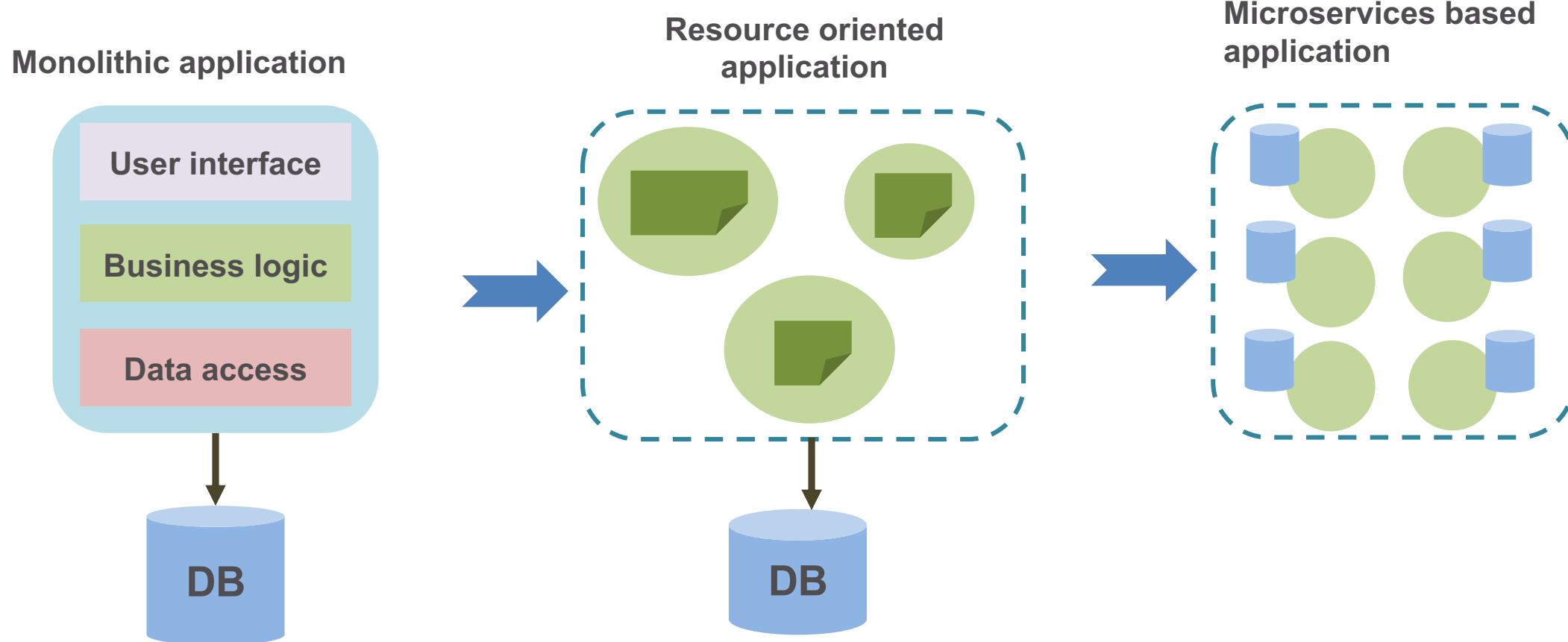


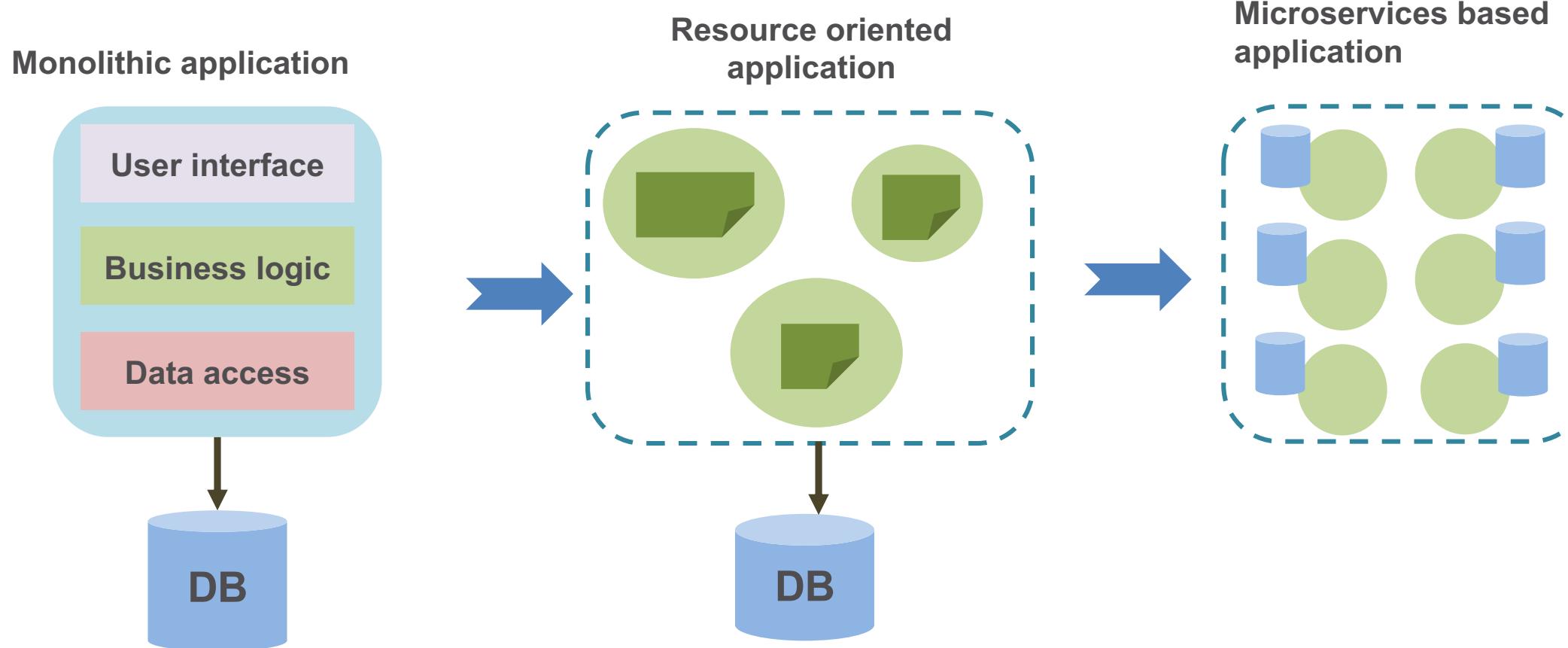
### REST advantages:

- Modularity, loosely coupling
- Technologies freeness
- Standard communication interfaces
- Interoperability
- **Simple to setup**

### REST limits:

- Services granularity?





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