

# How Java Enterprise Applications are not Java

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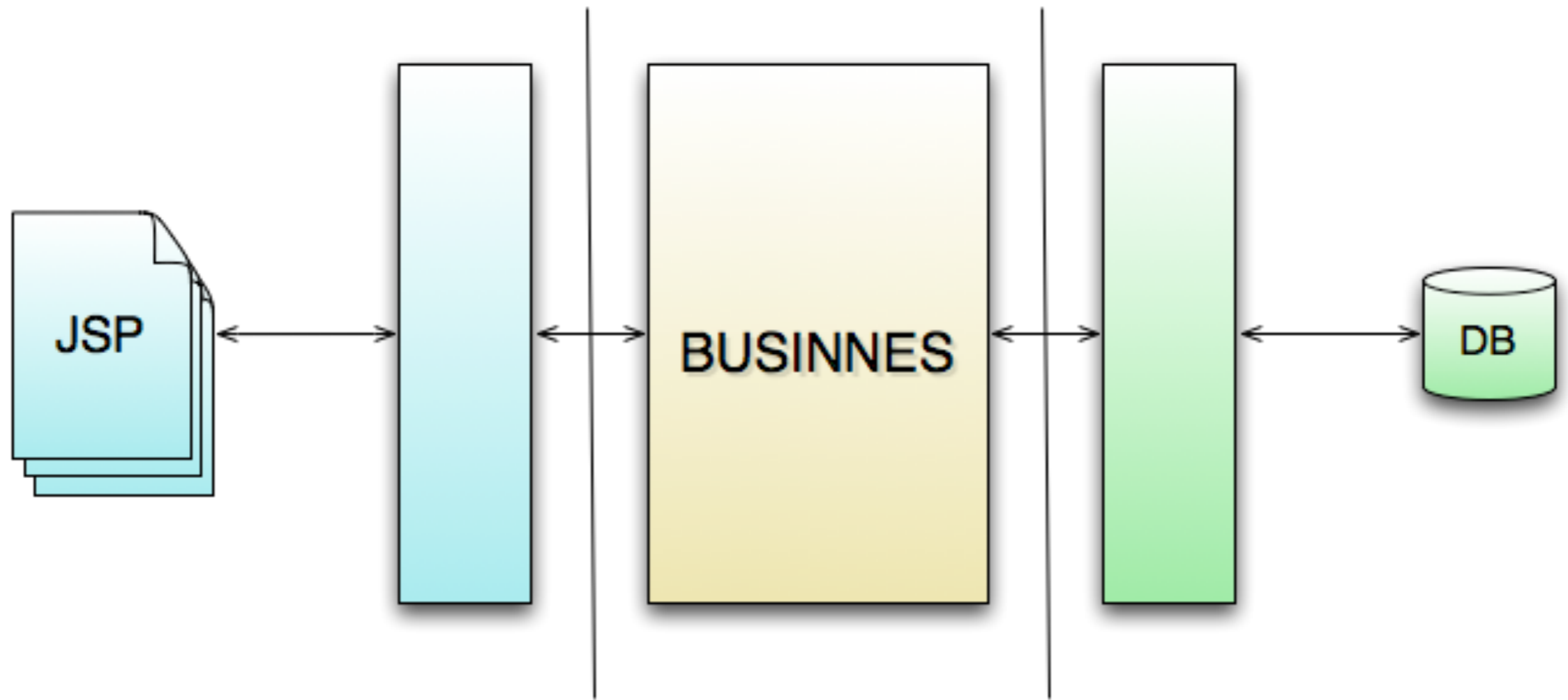
Software Modeling

Software visualization

Software quality

Java Enterprise Applications

# Layers

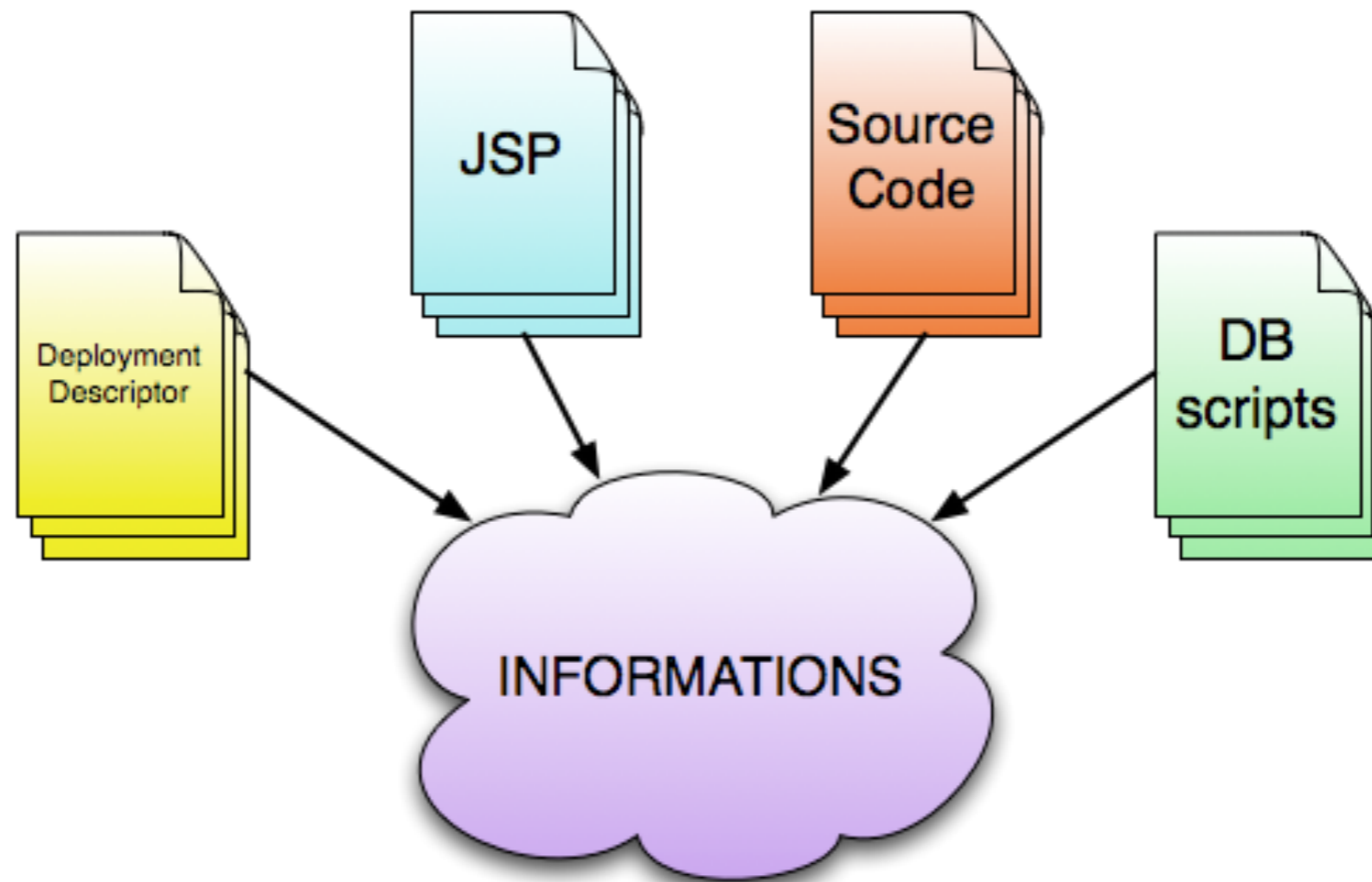


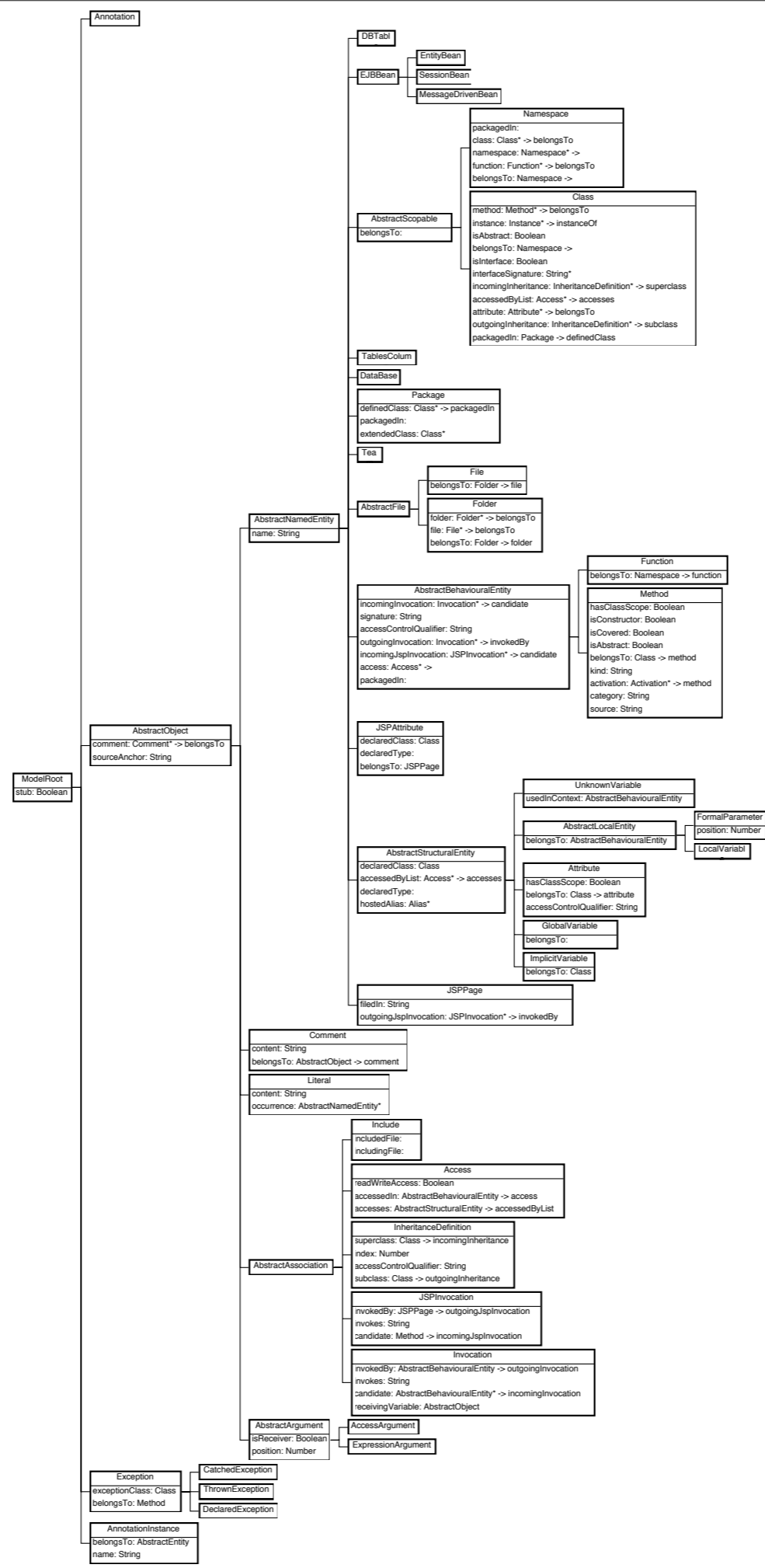
Presentation  
Layer

Businnes Layer

Data Layer

# Information sources



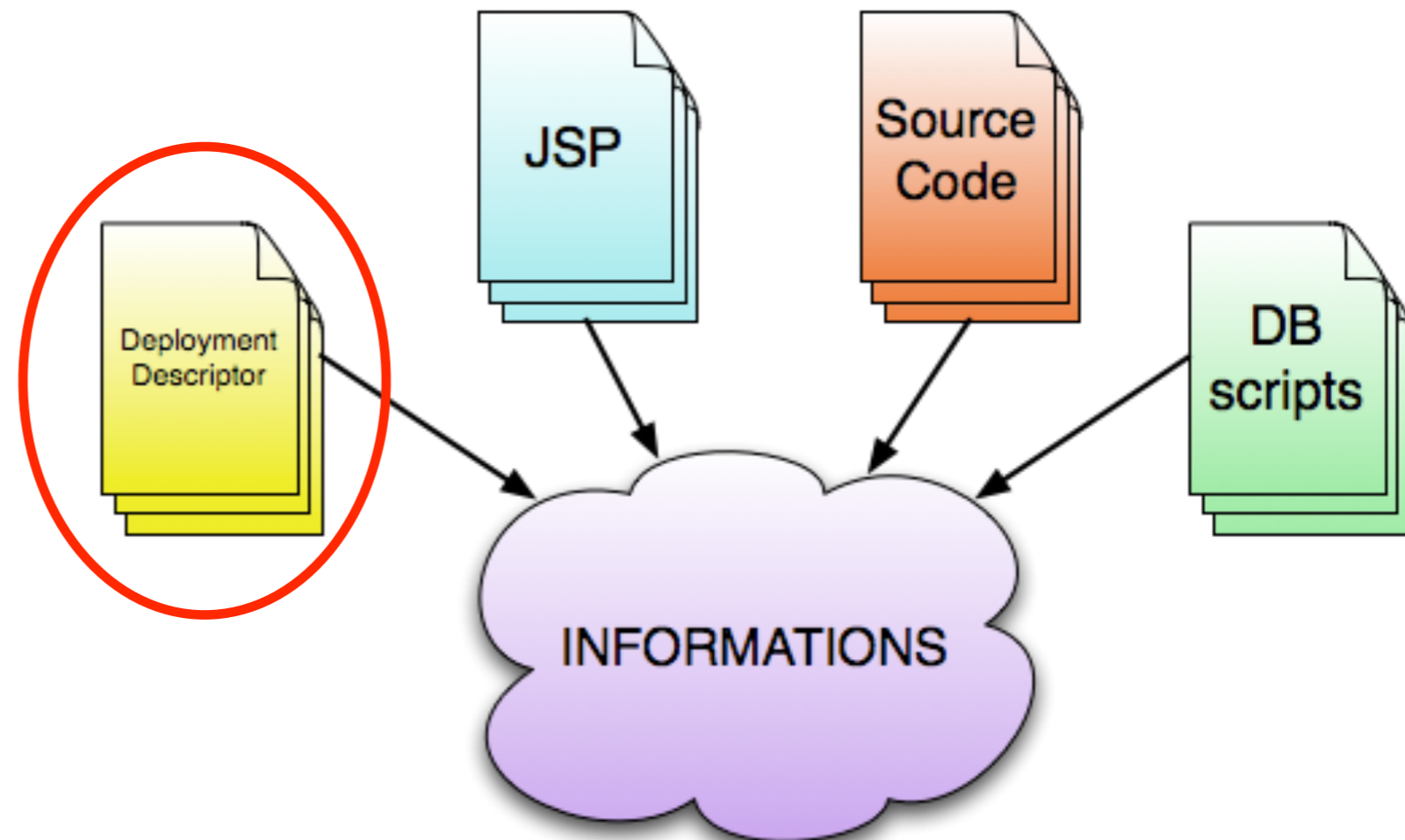




# Transactions

Purpose of Transactions in a Java Enterprise Application is to create an atomic unit of work

*Hard to manage because data is contained in the deployment descriptor*

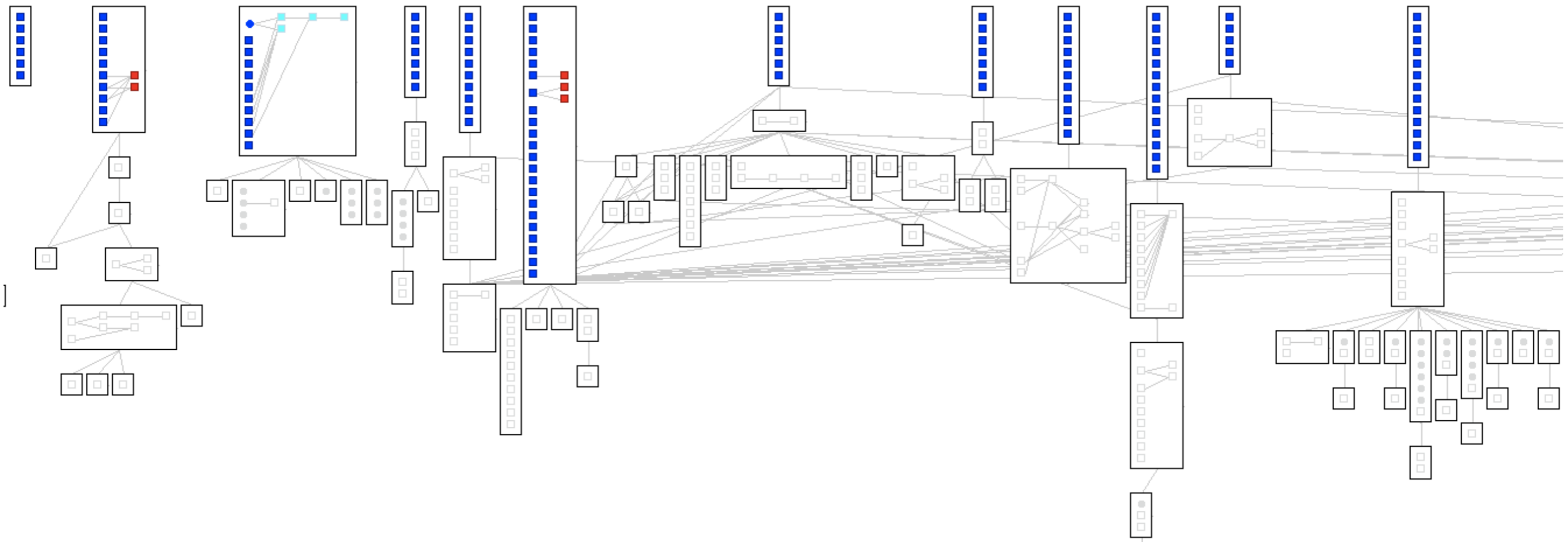


# Unsafe Queries

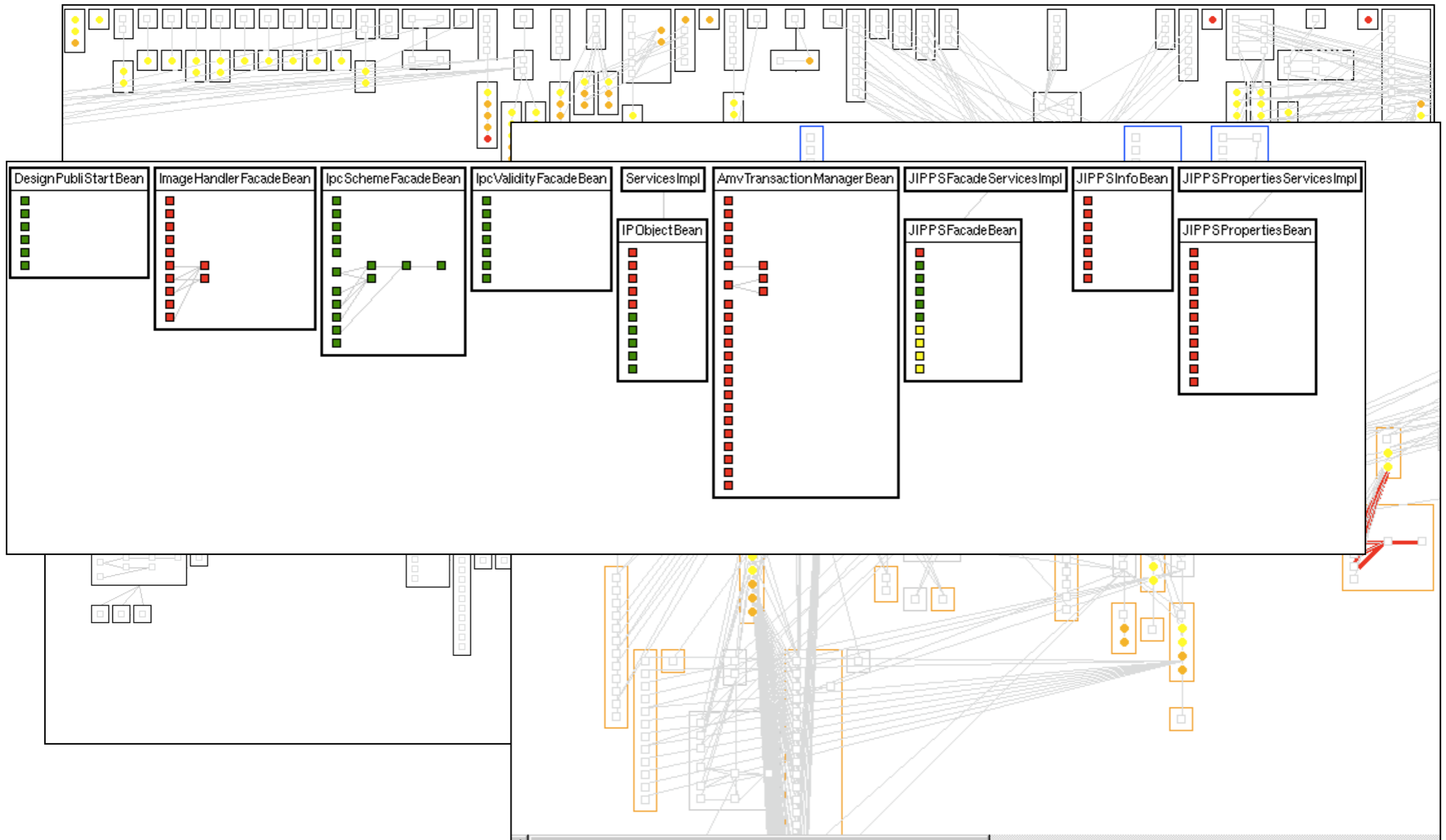




# Transaction Flow



# Conclusions





# Future work

- Build relationships between database and the source code
- Analyzing Java annotations in order to substitute the deployment descriptor