



# Blueprinting Approach in Support of Cloud Computing

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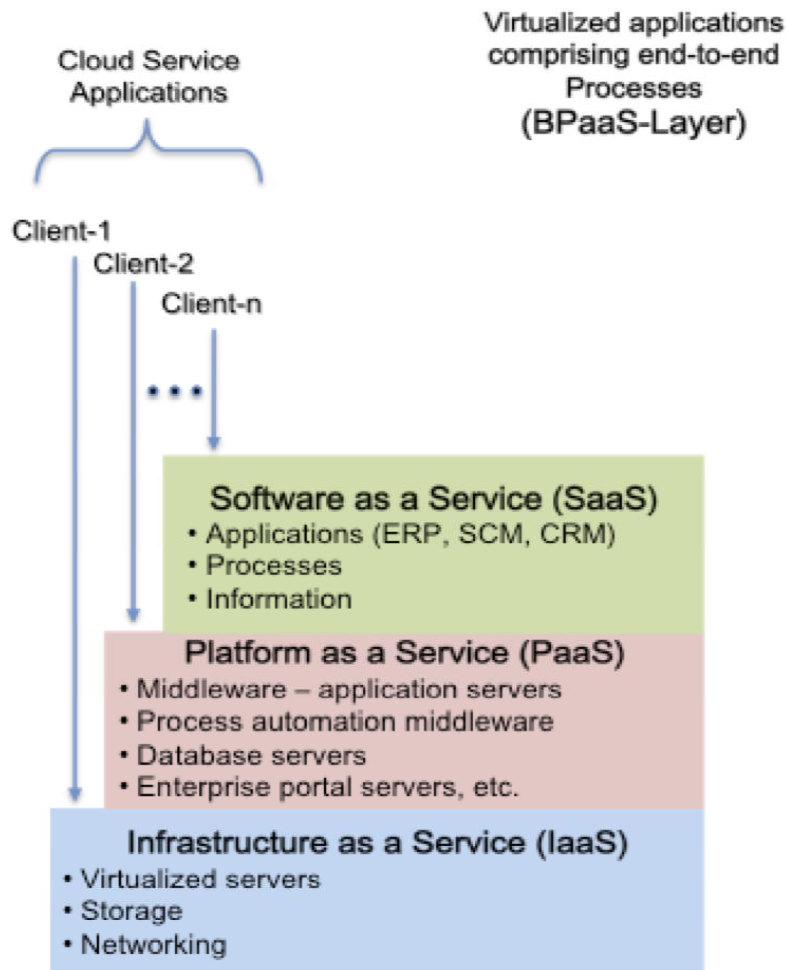


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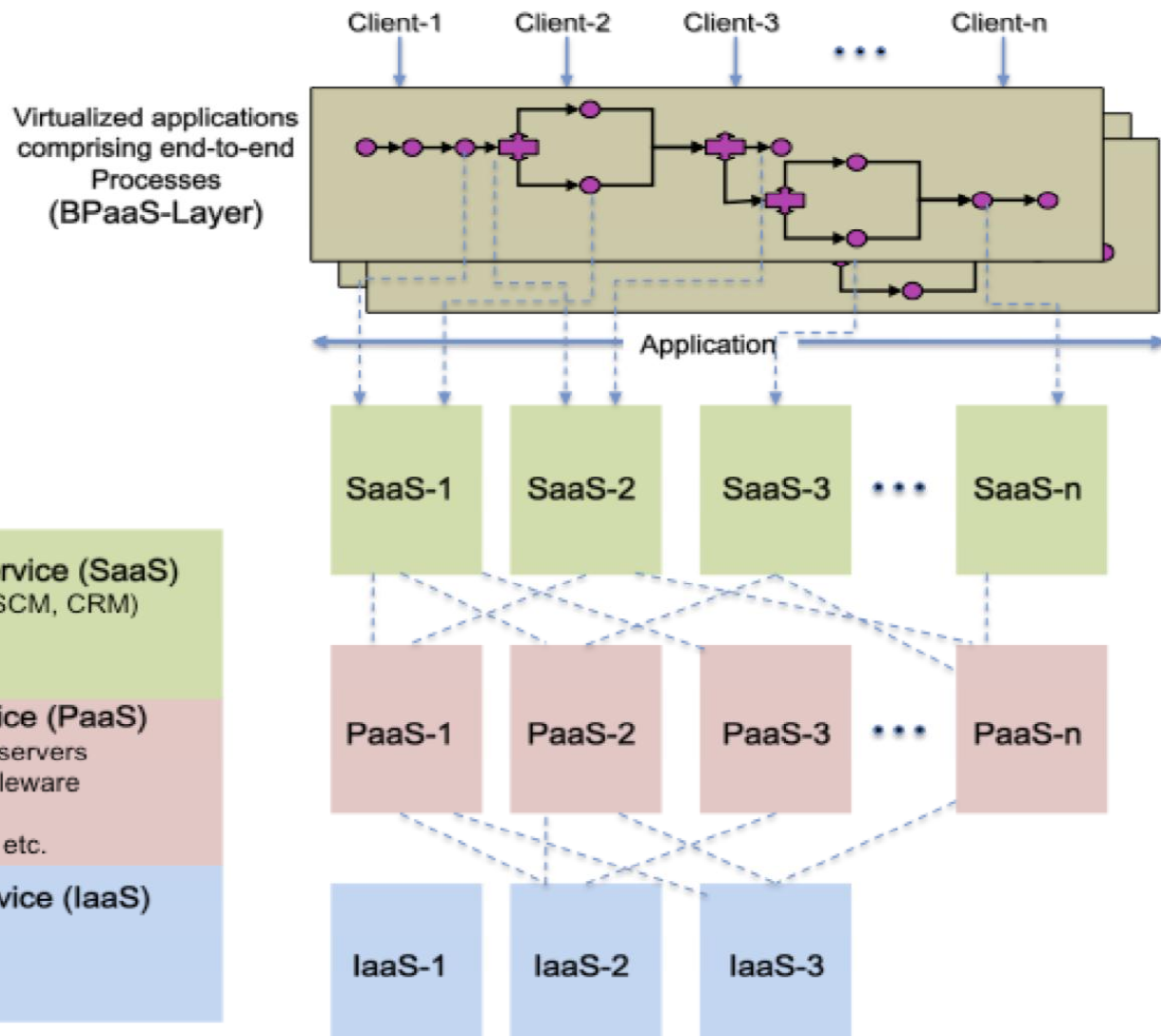


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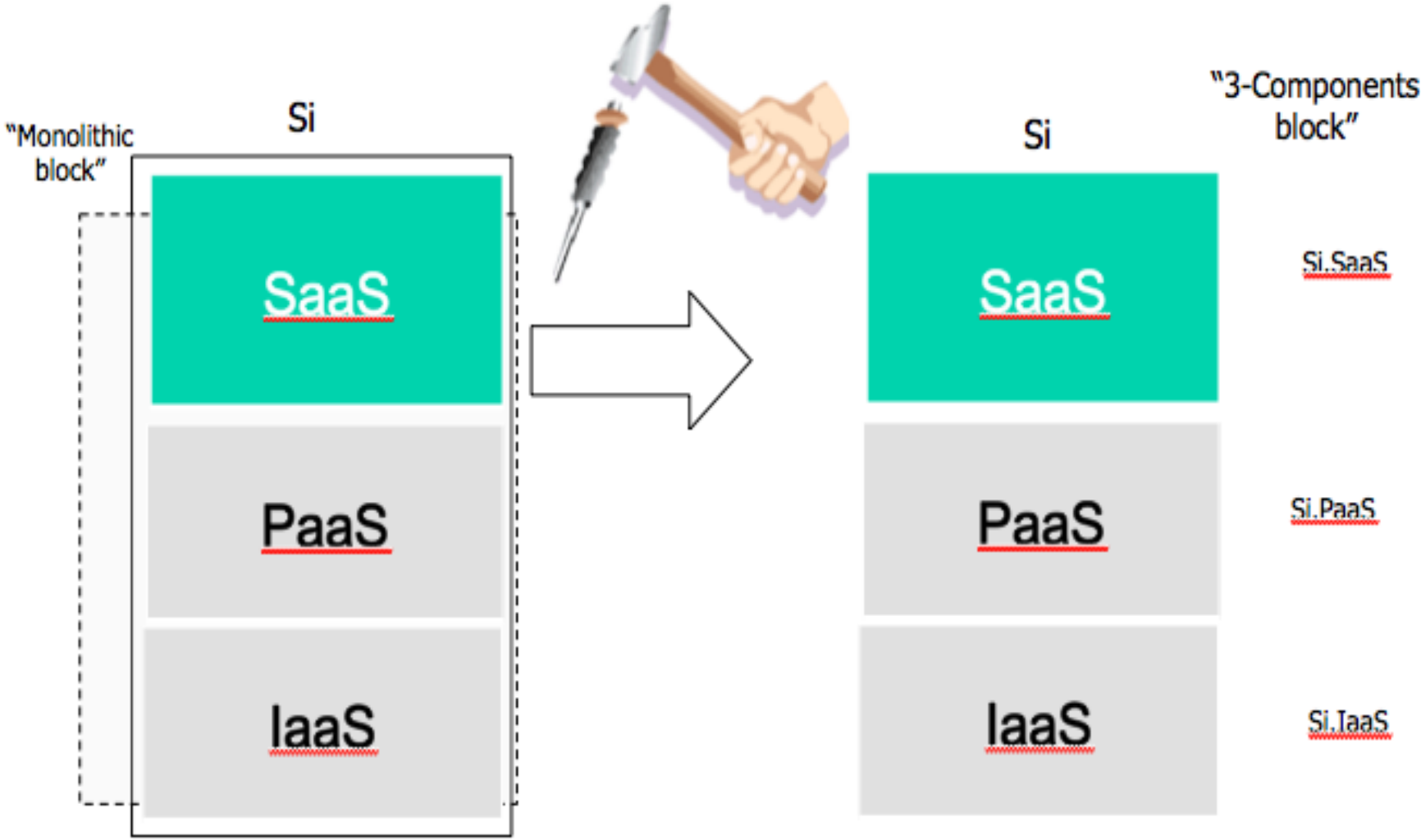
# Problem statement: SBA development in the cloud



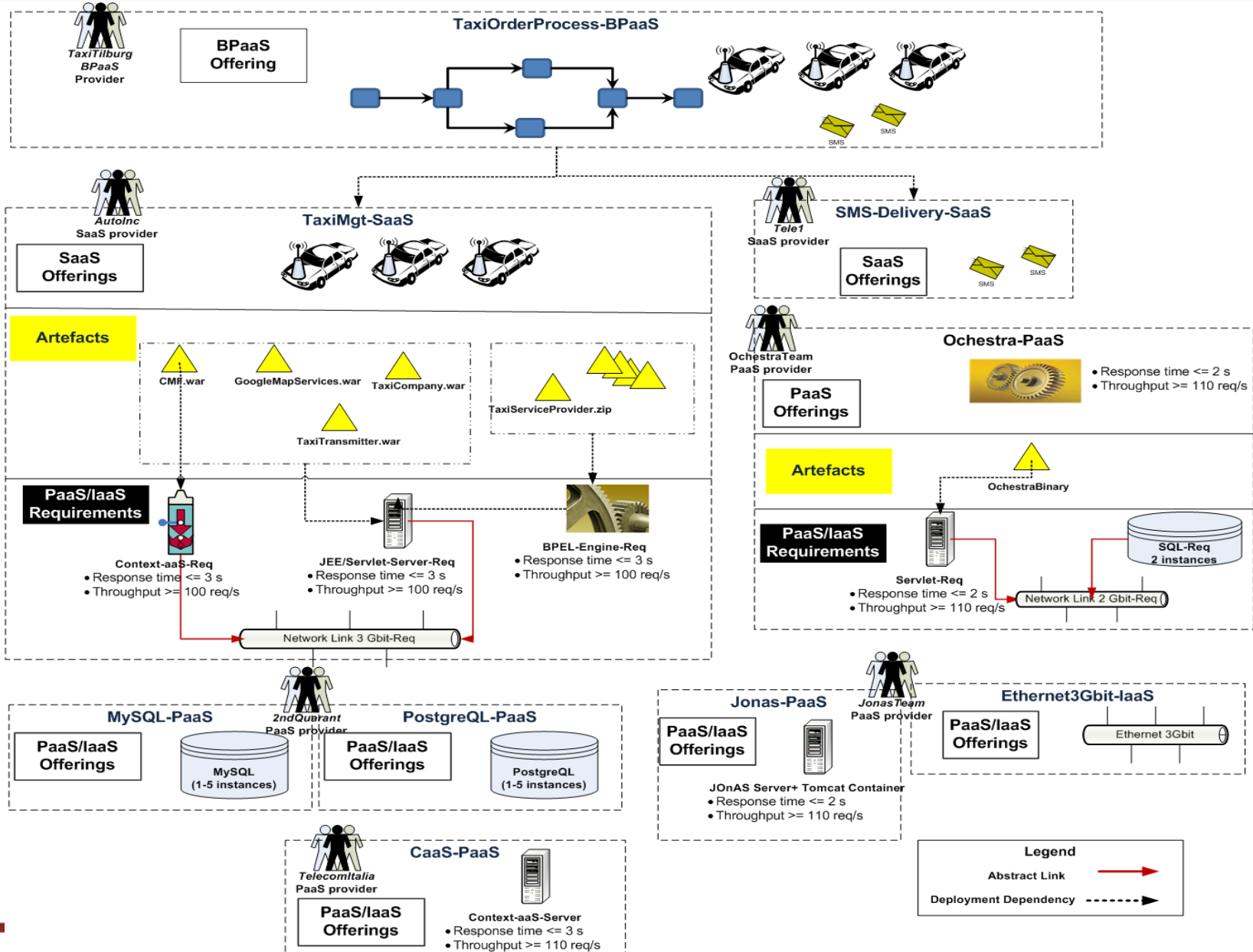
(a) Monolithic delivery stack



(b) Syndicated multi-channel cloud delivery model

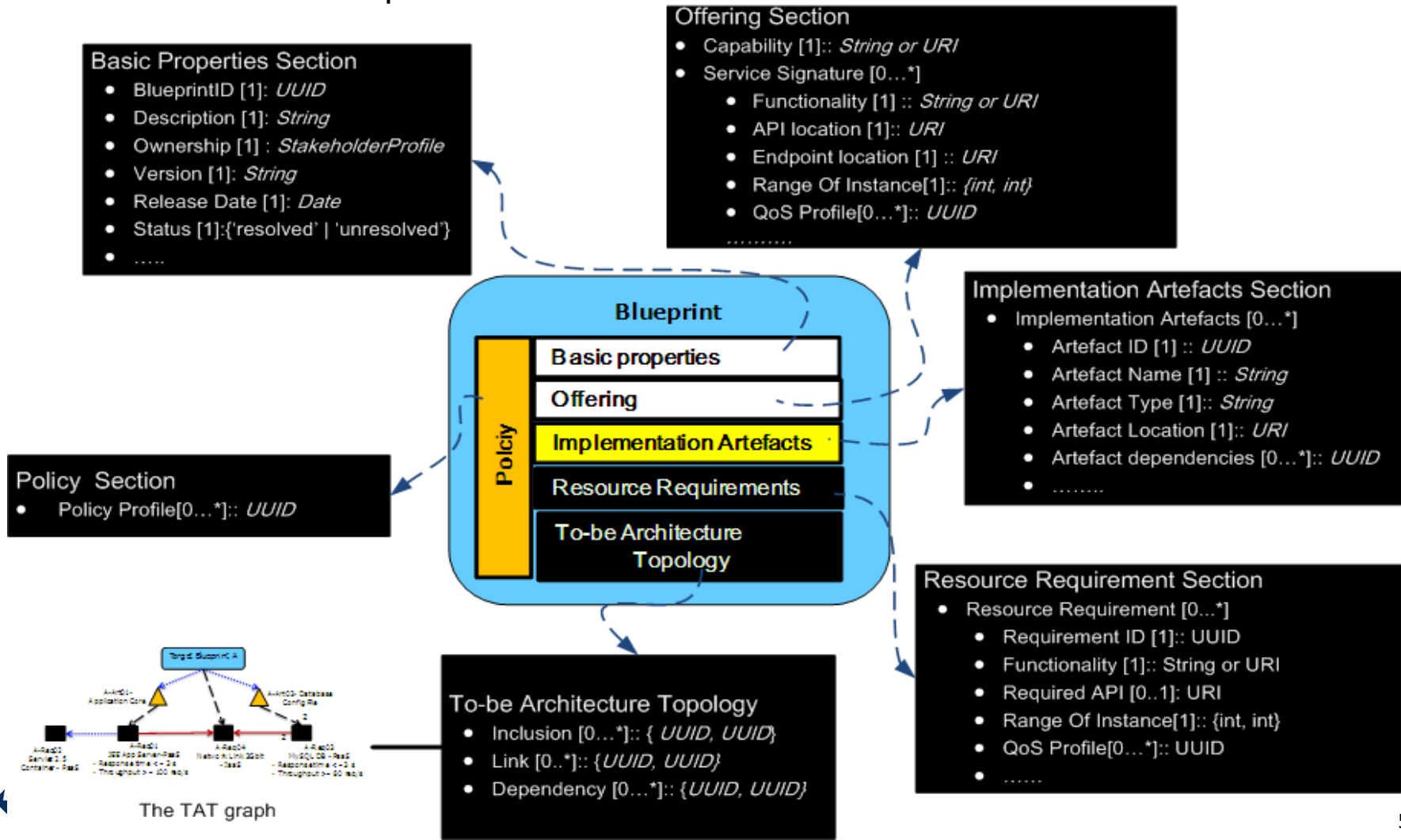


# Motivating Scenario

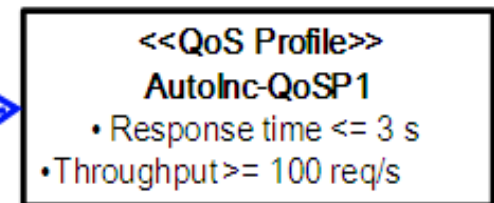
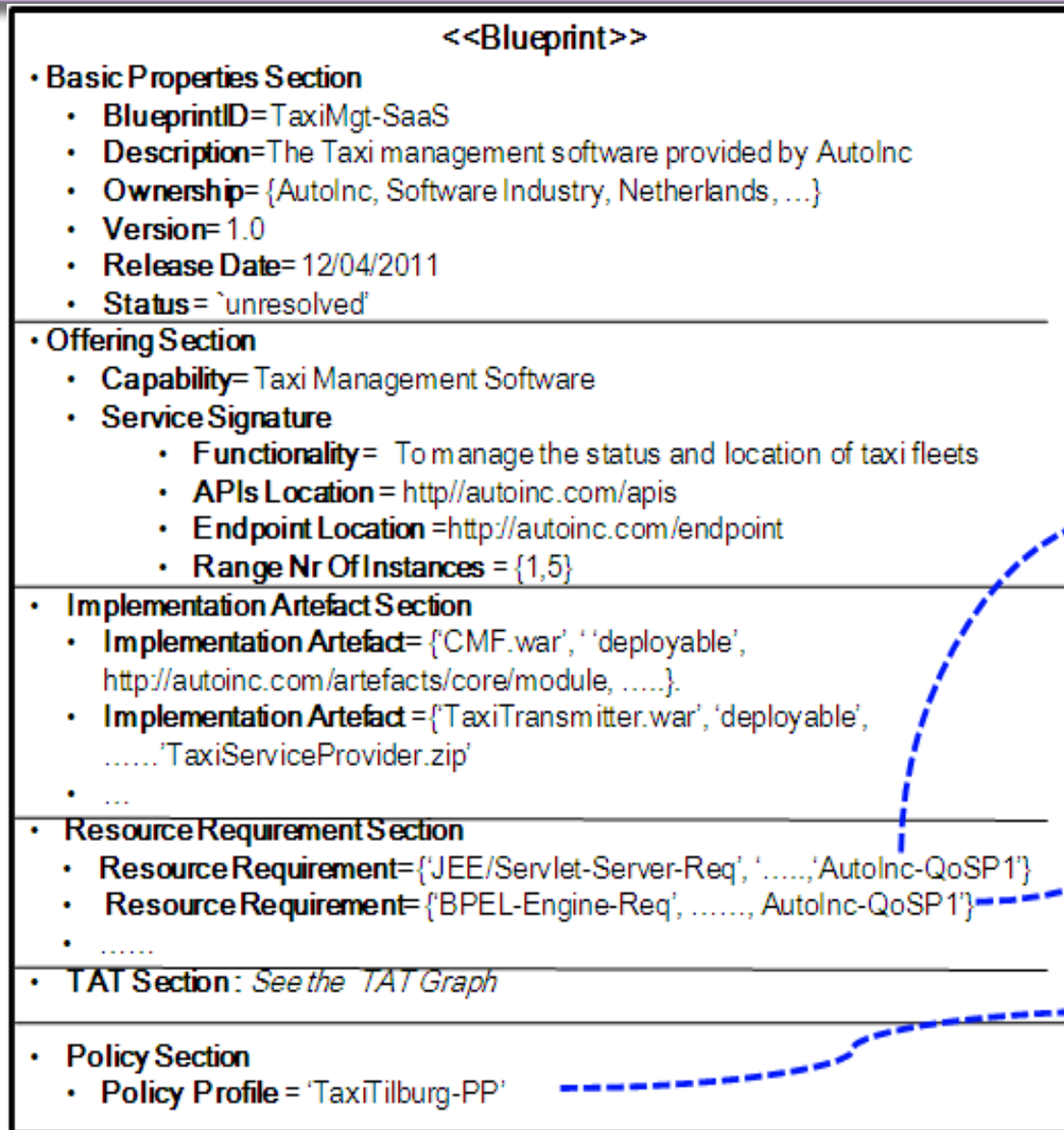


# Blueprint & Blueprint Template

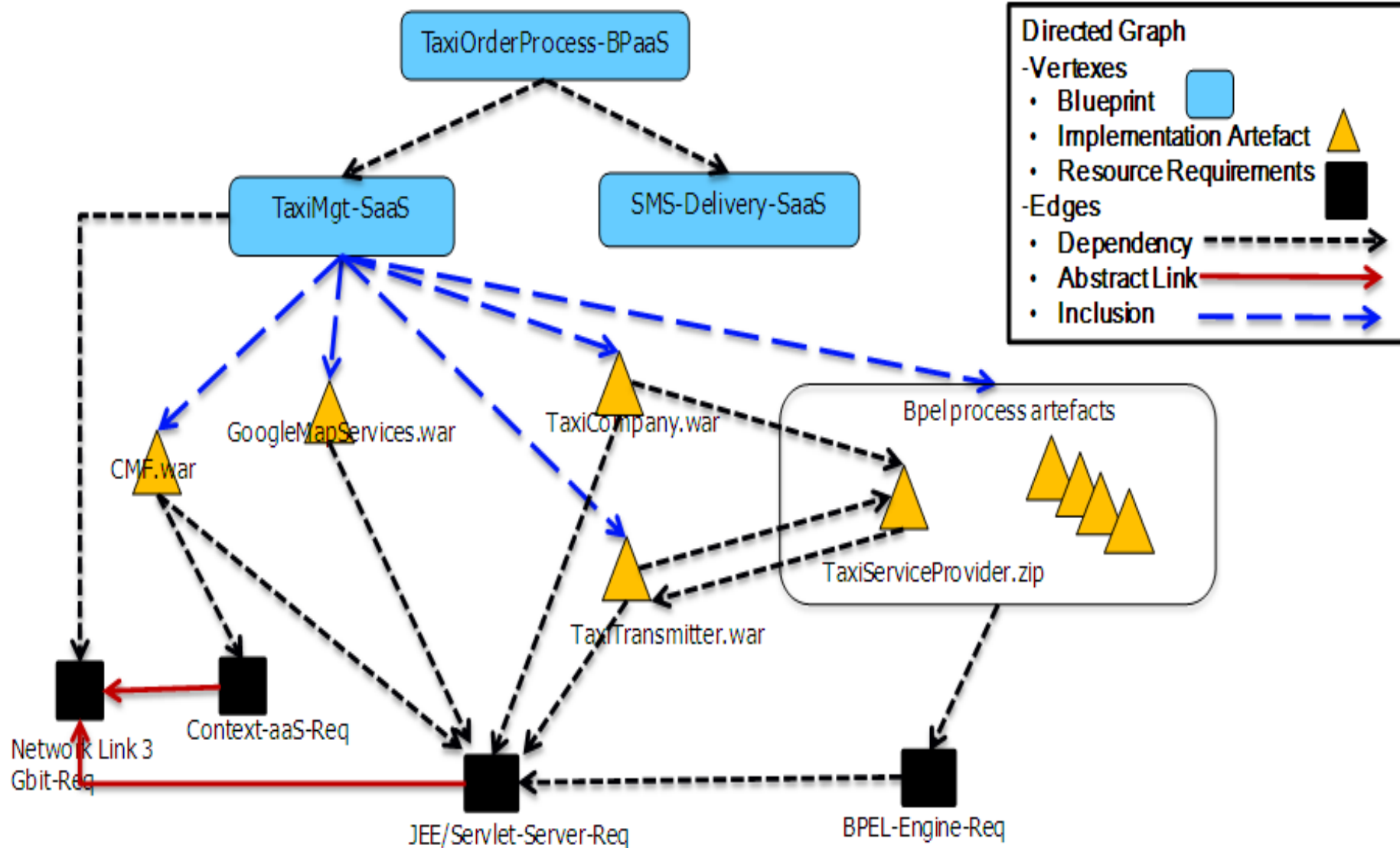
**Definition:** A *Blueprint* is a uniform abstract description of a cloud service offering that abstracts away from all specific technical details and complexities to facilitate the cloud application developers with the selection, customization and composition of cross-layered cloud services across various providers.



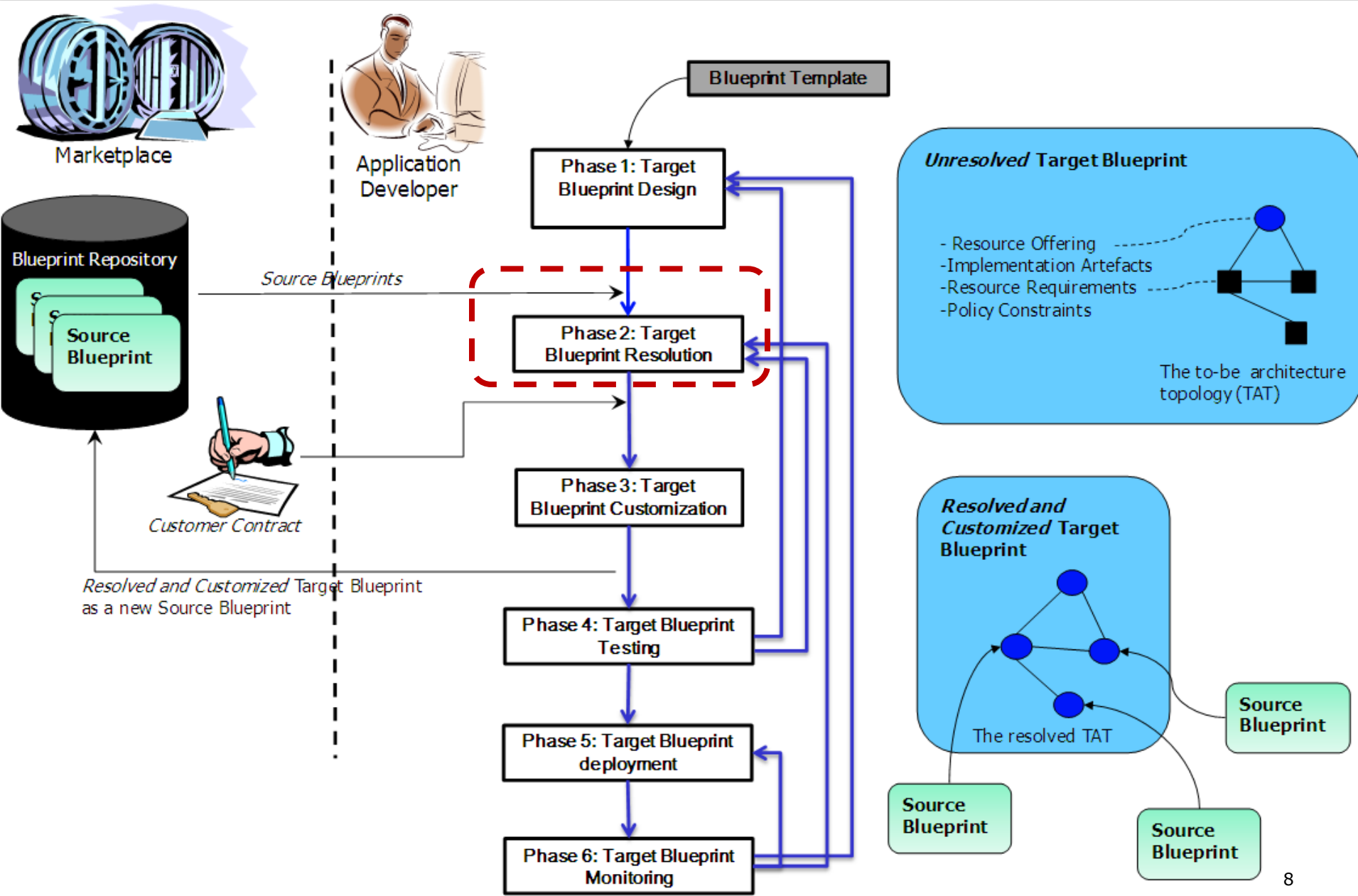
# Example of Blueprint



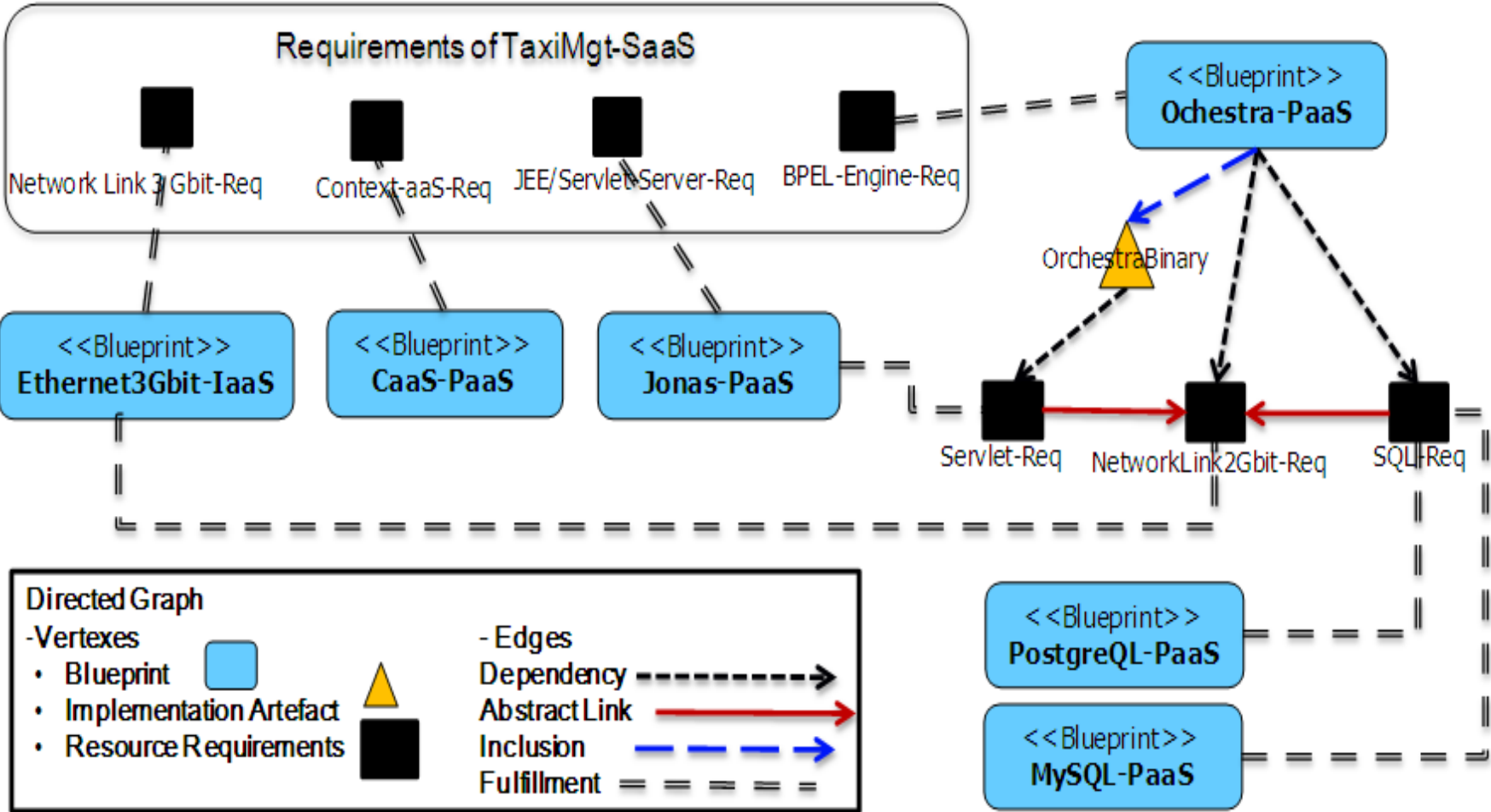
# Example of the TAT graph



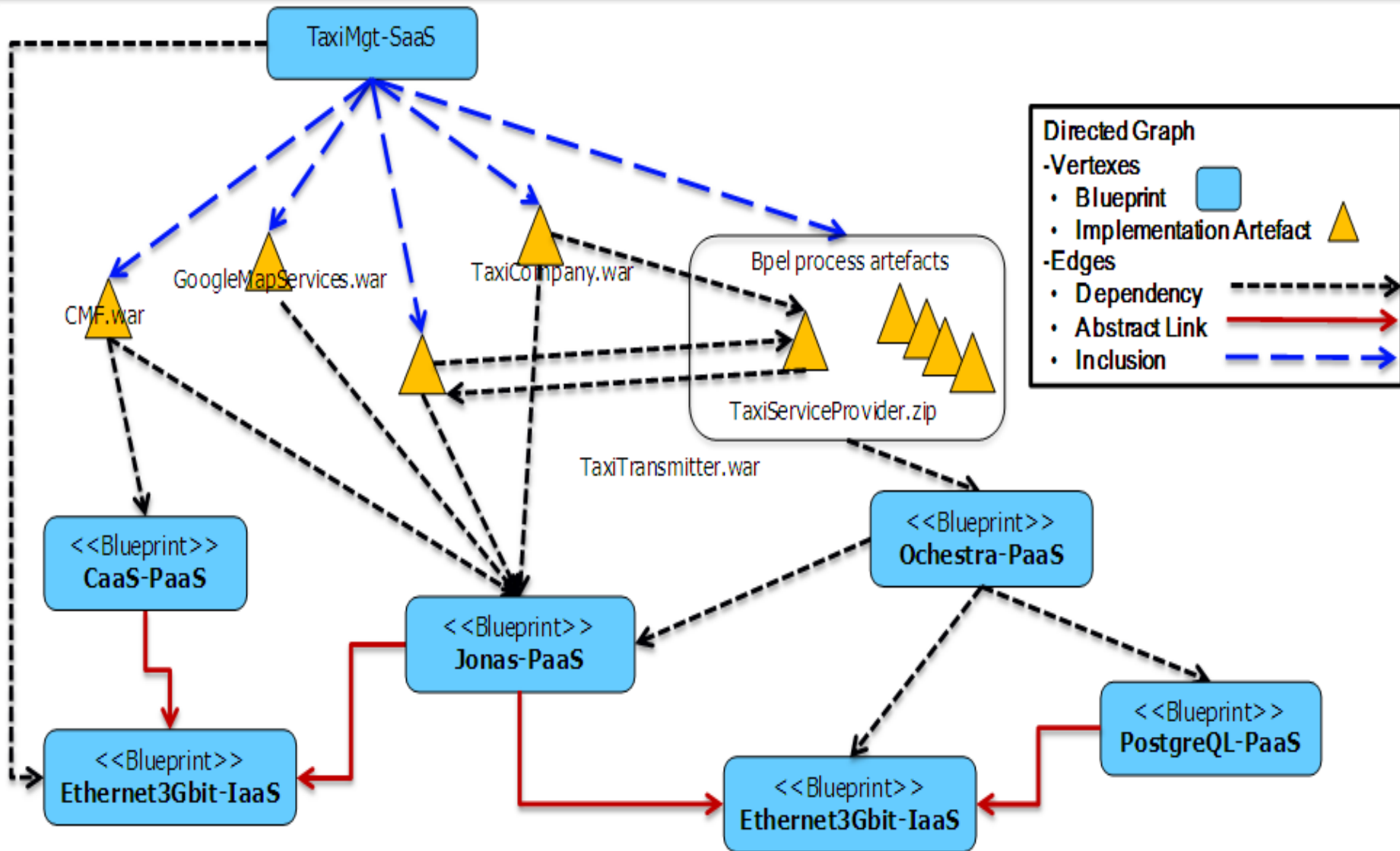
# Blueprint Lifecycle Support for cloud SBA Development



# Blueprint Resolution

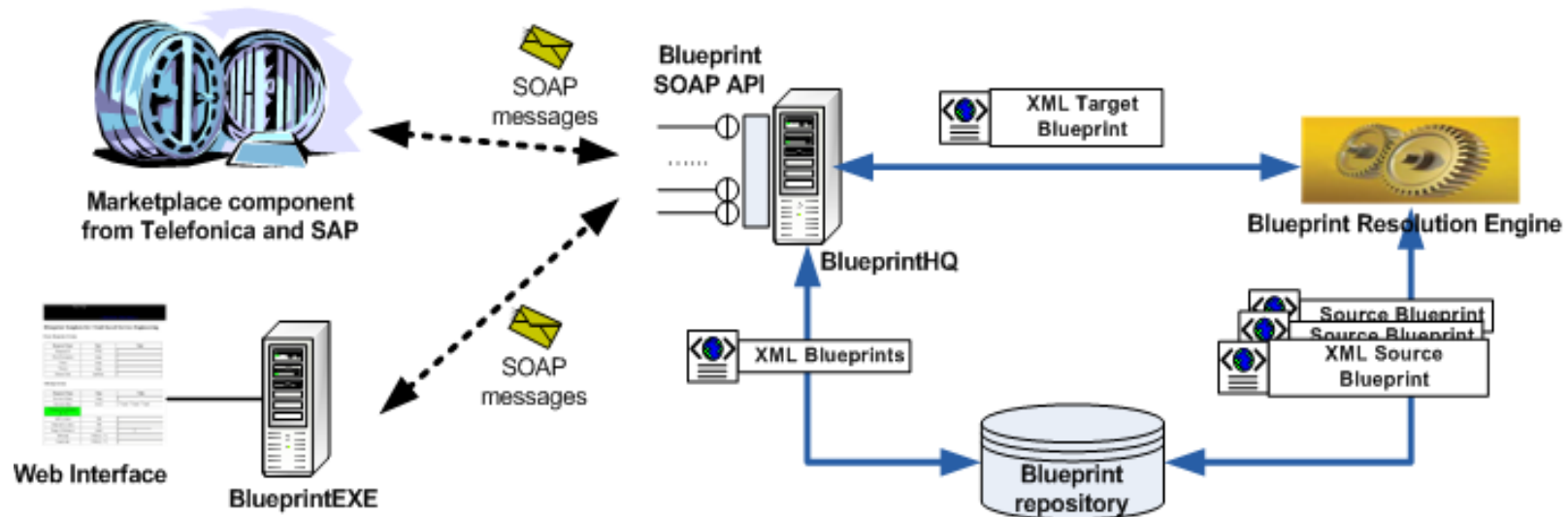


# The resolved TAT after the resolution phase



# Empirical Evaluation and Prototype Implementation

- Implementing the Blueprint Template in XSD
- Organizing a Virtual Blueprint Workshop among industry partners like Telefonica, 2ndQuadrant, SAP, TelecomItalia, etc., to gain feedbacks.
- Collaboratively modeling the 4caaSt scenario
- Developing a Blueprint Prototype Tool for the 4caaSt 1<sup>st</sup> year demo.



Thanks for your cooperation !  
Questions?