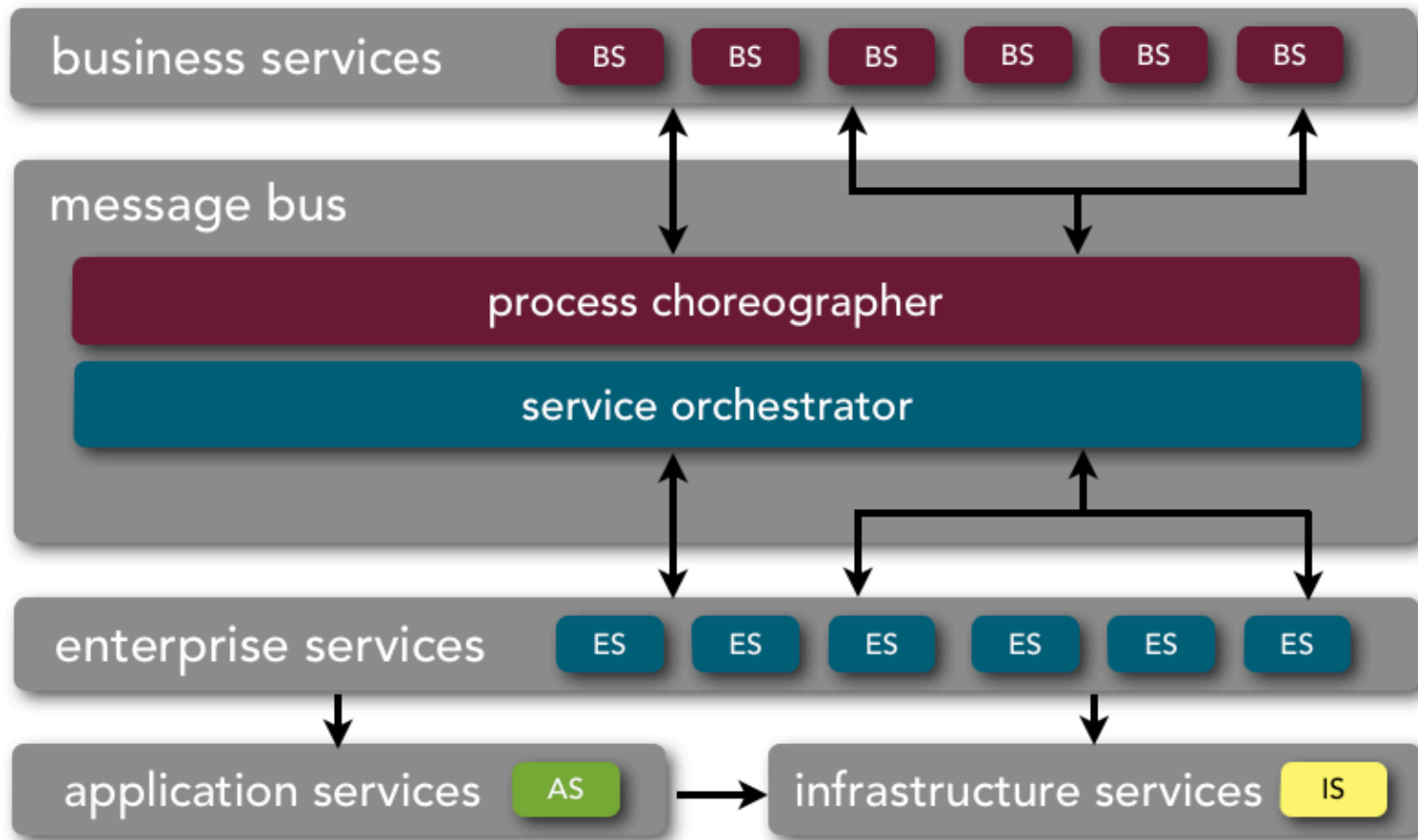


SOA Fundamentals

SOA fundamentals



SOA fundamentals

what is considered SOA?



adding messaging to a large-scale system to better decouple clients from services



exposing implementation services as web services within the enterprise



creating an API to expose your objects as services within the organization

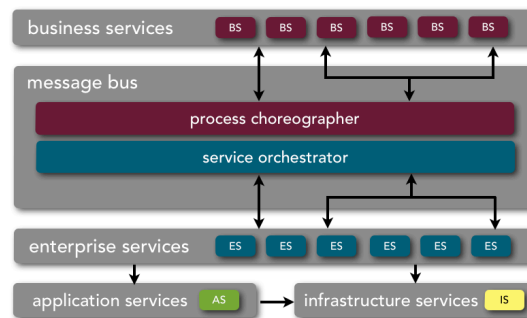


dynamically invoking globally shared POJO-based services within an application

SOA fundamentals

what is considered SOA?

business
services



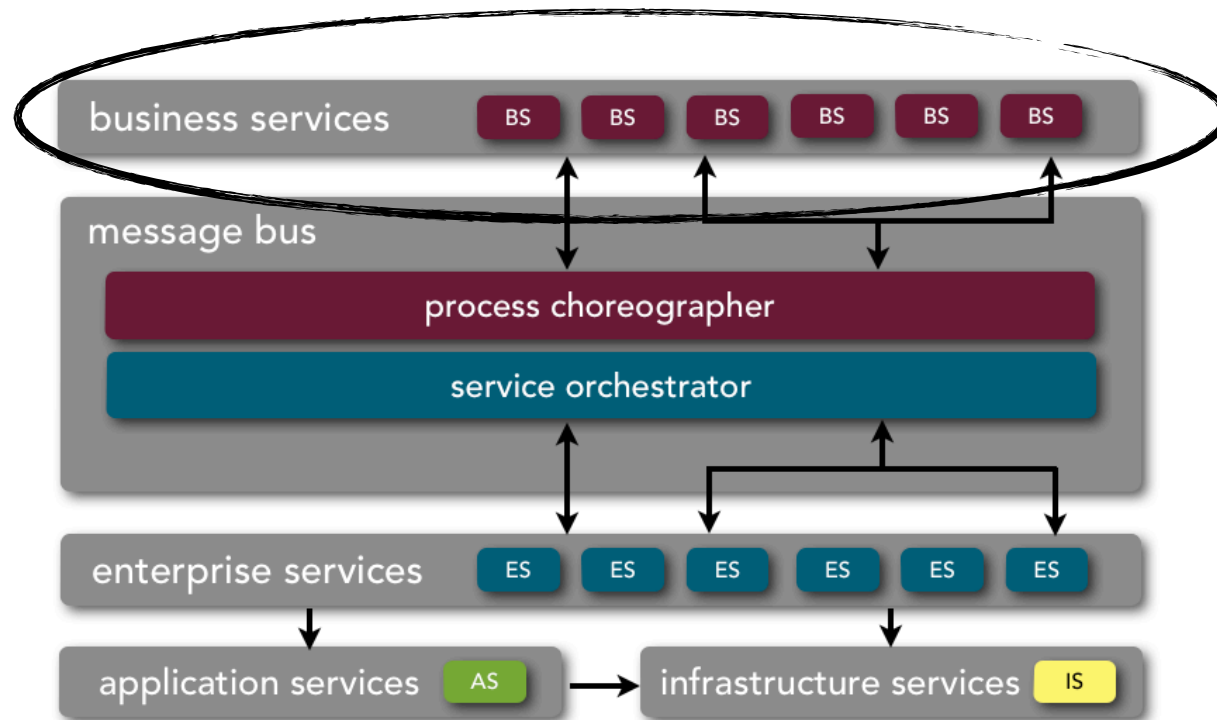
service
abstraction

accessing the ~~business~~ **business** use in implementation
services

java j2ee .net c++/tuxedo cics

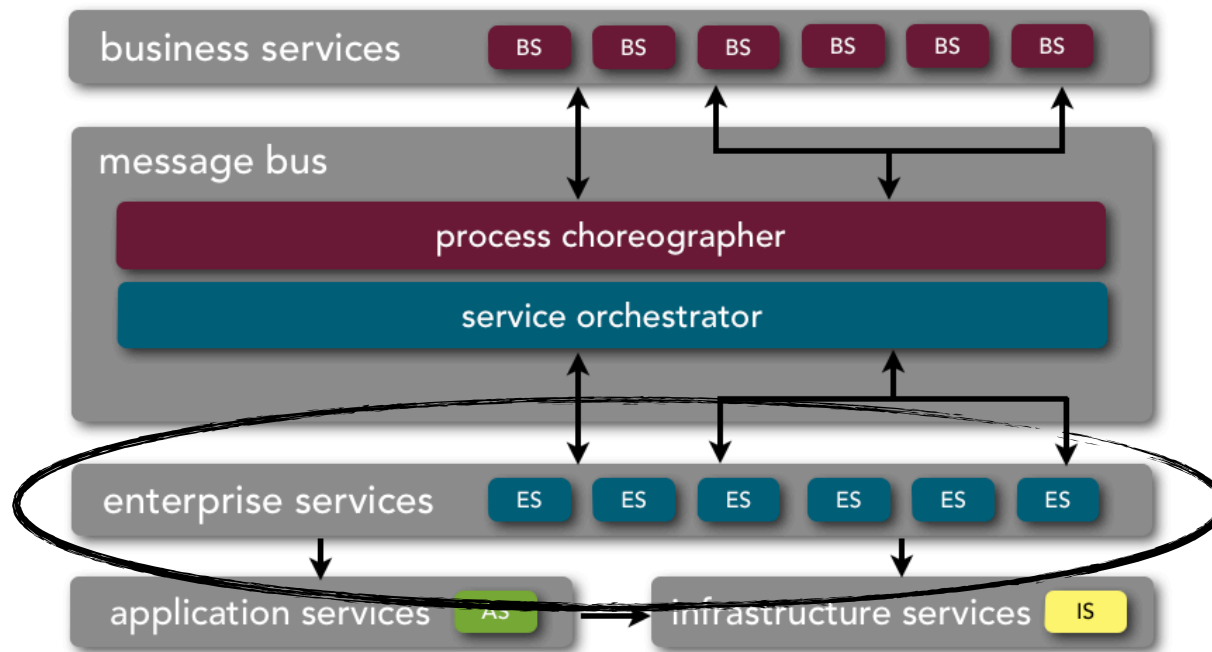
services

business services



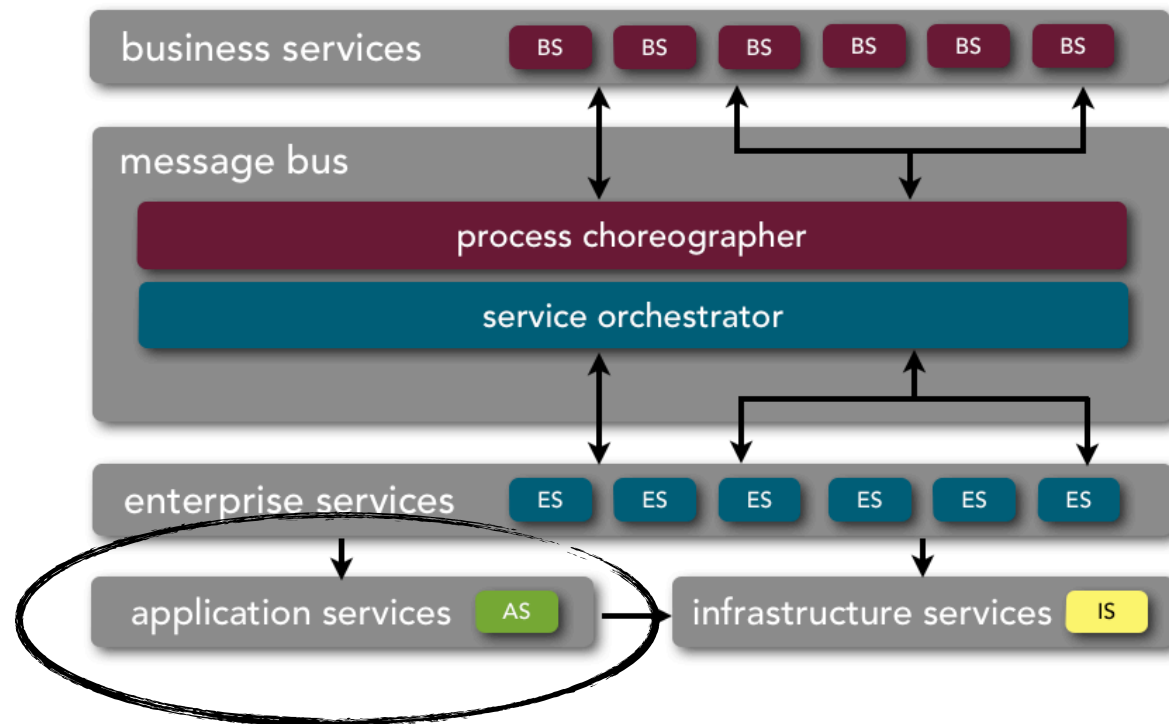
services

enterprise services



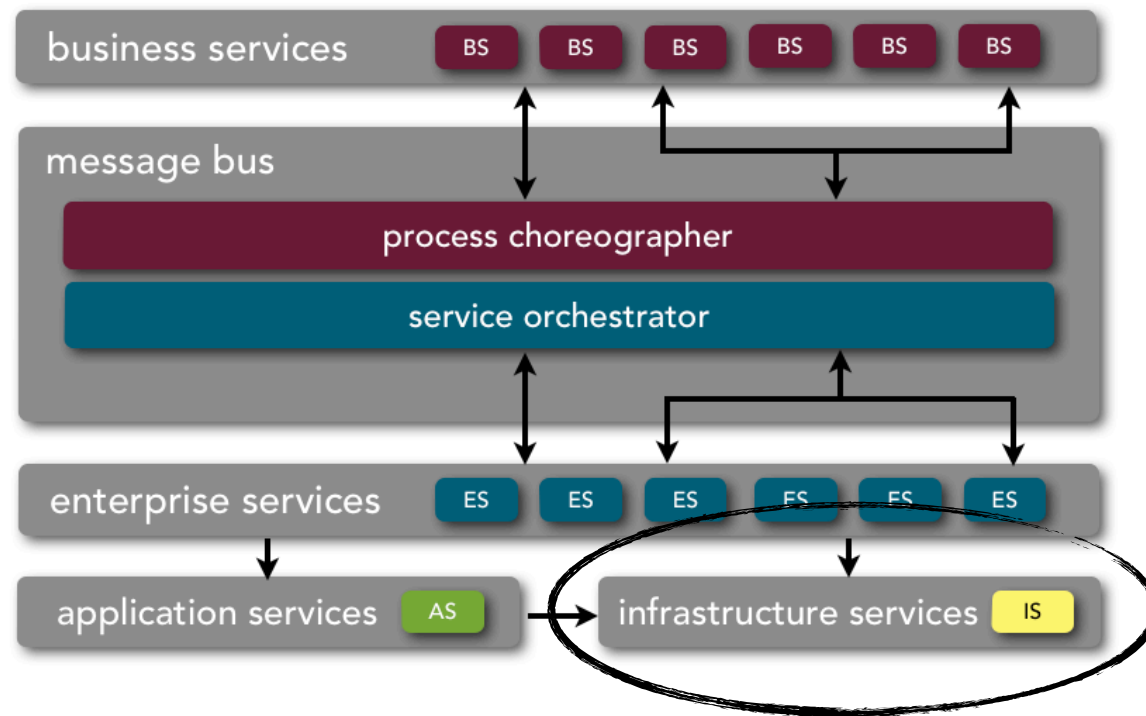
services

application services



services

infrastructure services



abstraction

location transparency

name transparency

implementation transparency

access decoupling

contract decoupling

SOA needs all of these!

service

172.56.33.98

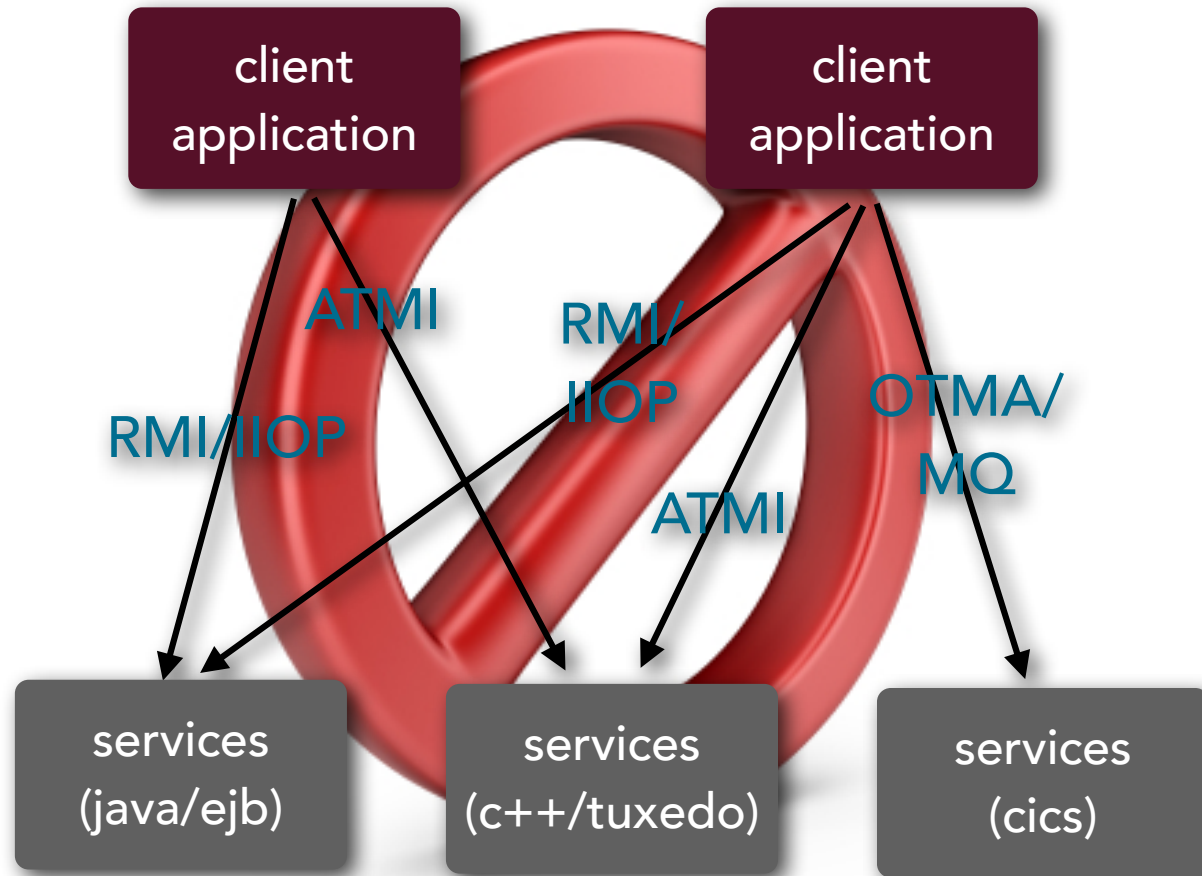
PricingServer

Java/J2EE

RMI/IIOP

(String, String)

implementing SOA



implementing SOA

SOA core pattern elements

service registry

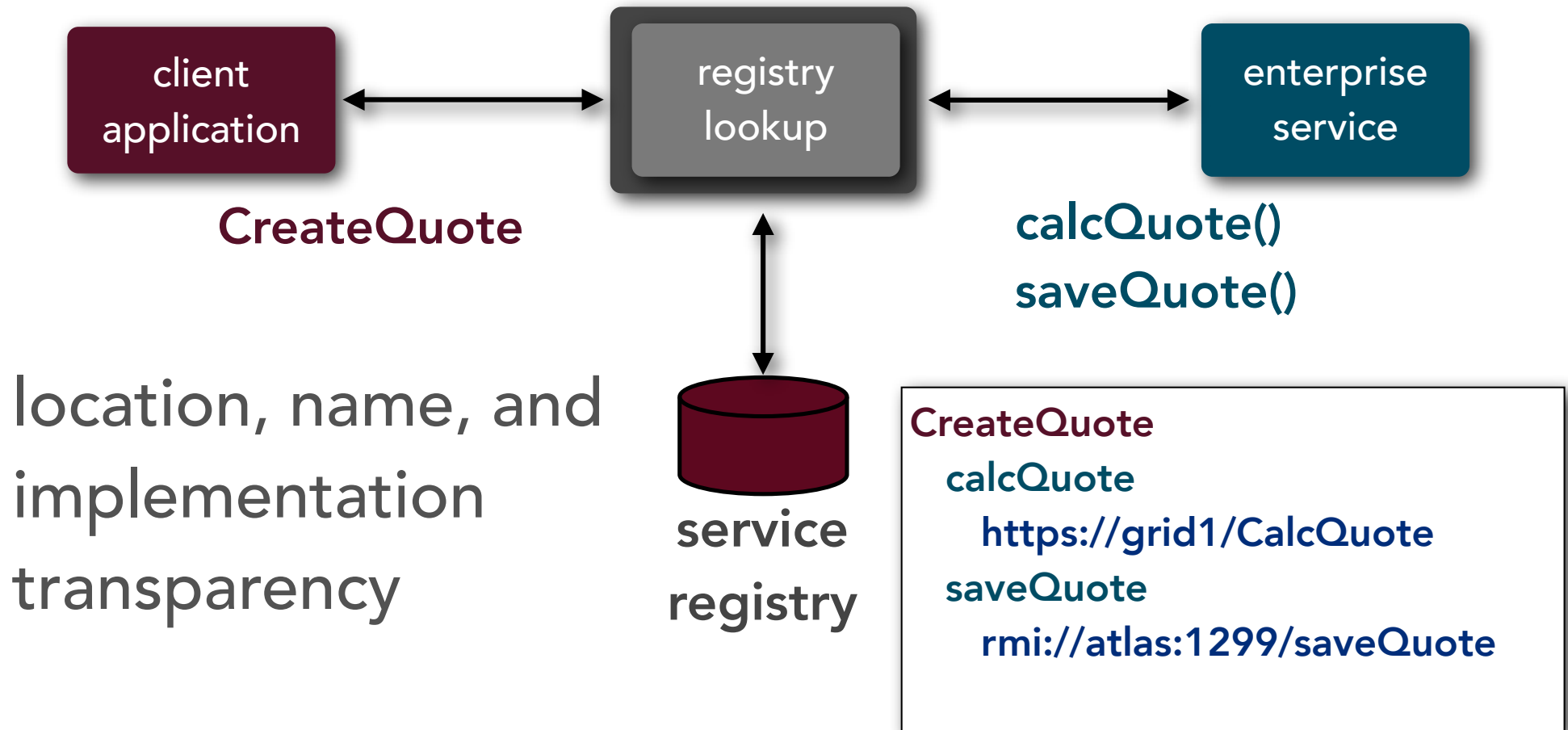
message enhancement

message transformation

protocol transformation

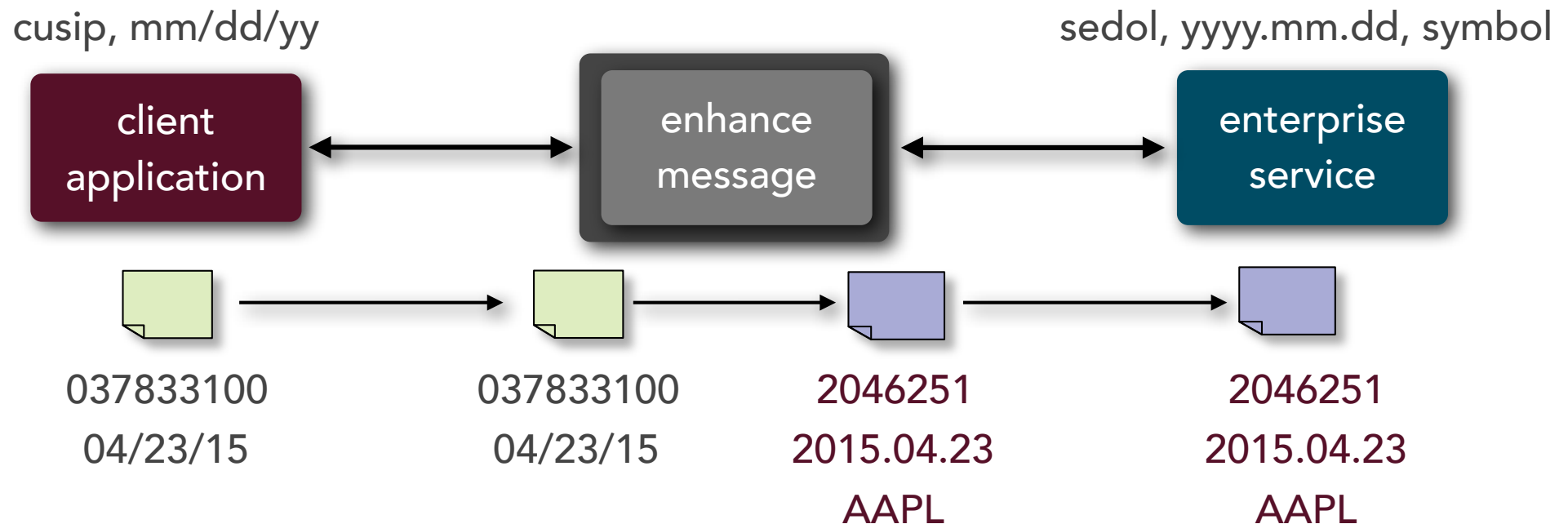
implementing SOA

service registry



implementing SOA

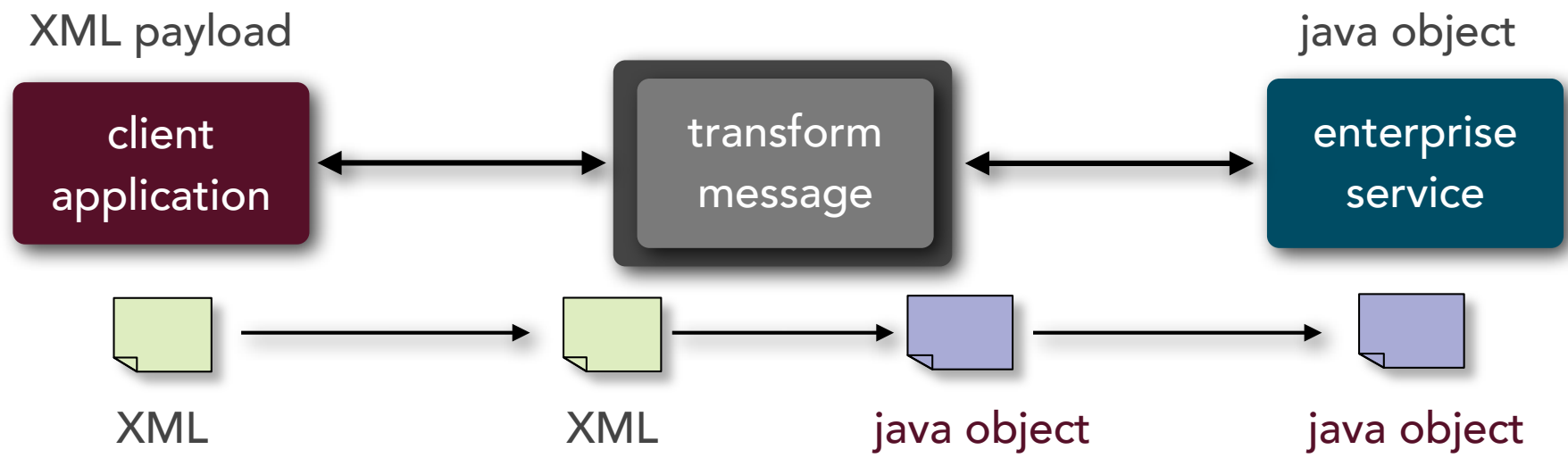
message enhancement



contract decoupling

implementing SOA

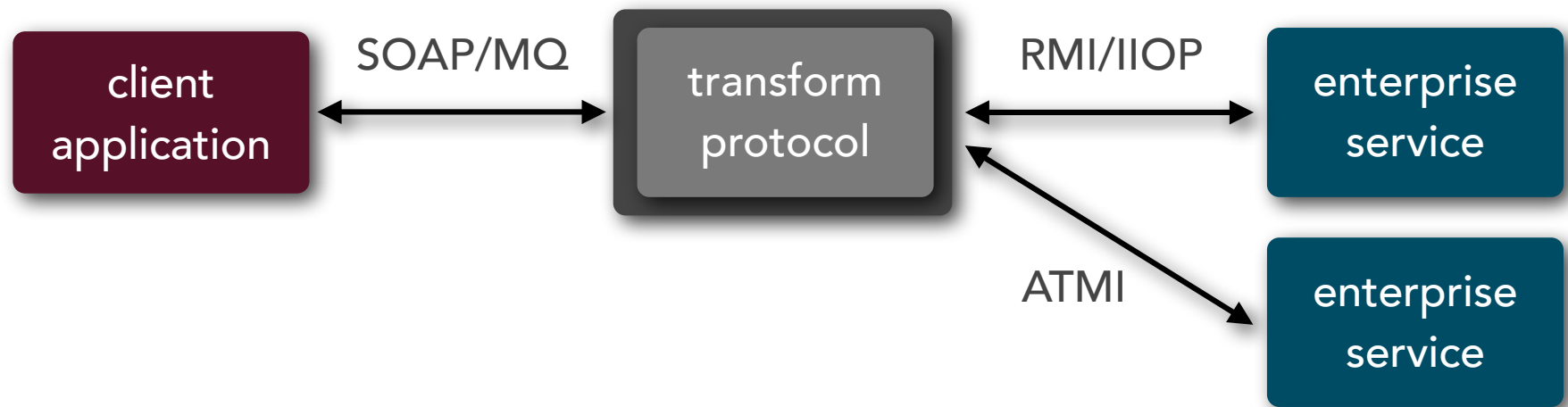
message transformation



contract decoupling

implementing SOA

protocol transformation



access decoupling
implementation transparency

for more information



Creating an Effective SOA Service Taxonomy

Mark Richards, SOA World, 2008

<http://soa.sys-con.com/node/738704>



Wikipedia (Service-Oriented Architecture)

http://en.wikipedia.org/wiki/Service-oriented_architecture

?'S



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97 Things Every Software Architect Should Know

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