SPRING WEB SERVICES

INTRODUCTION

MARCH, 2015

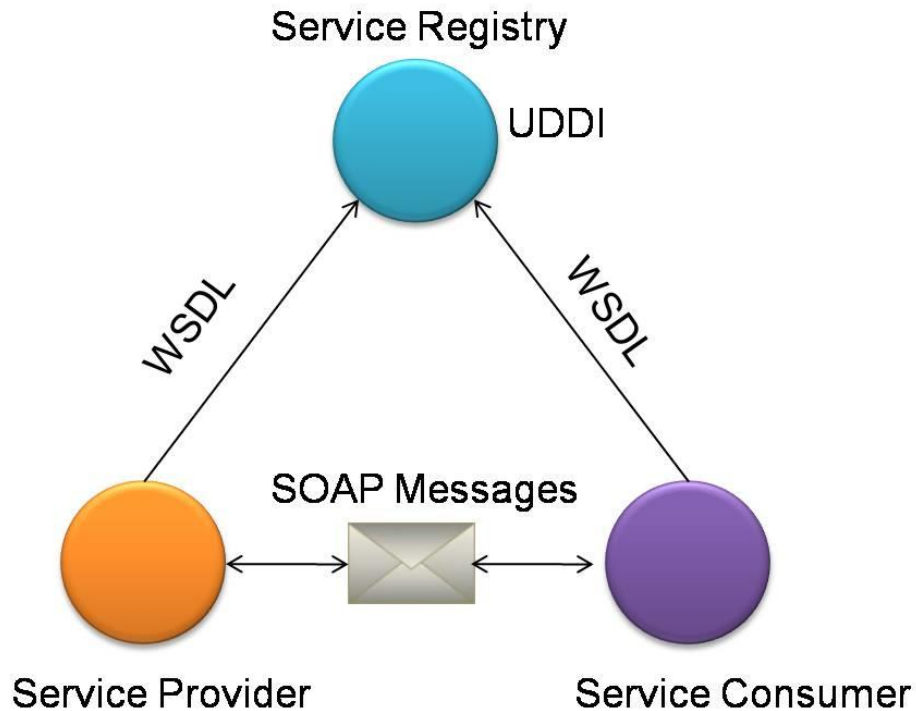# WEB SERVICES CONCEPT

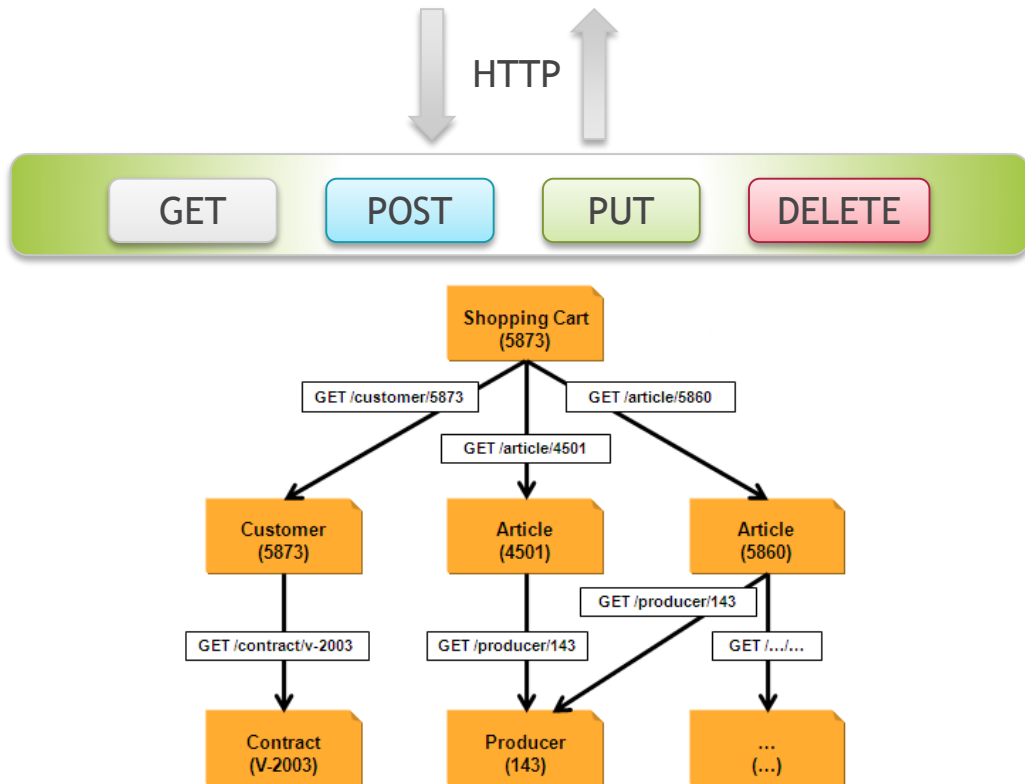# SOAP WEB SERVICES

Service Registry

UDDI

WSDL

WSDL

SOAP Messages

Service Provider

Service Consumer
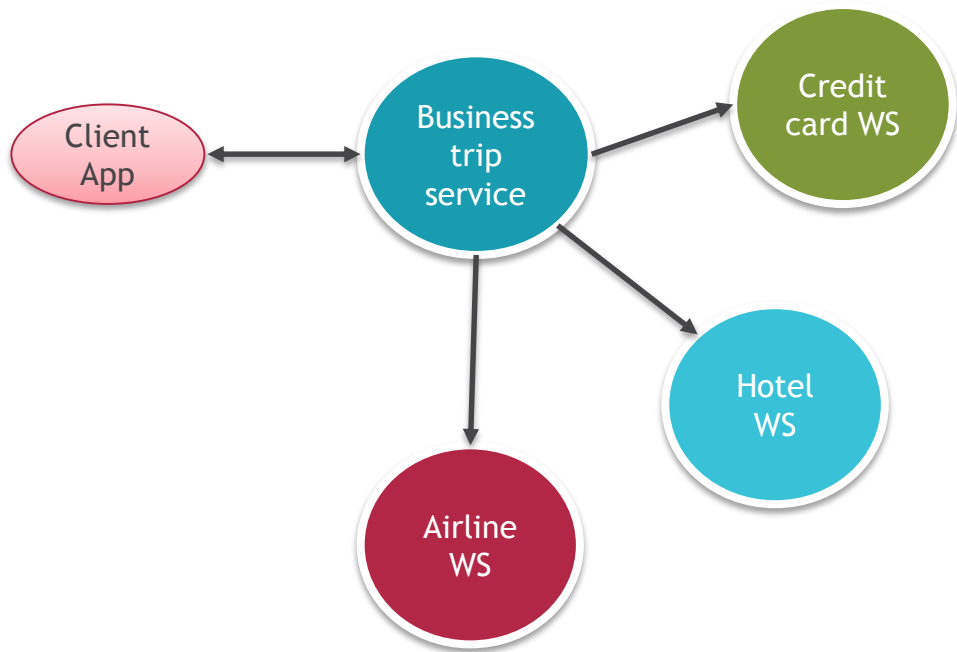
REST SERVICES CONCEPT

RESTful DESIGN PRINCIPLES

1. Resources are identified by URIs

2. Clients communicate with resources via requests using a Standard set of methods

3. Requests and responses contain resource representations information's identified by media types

4. Responses contain URIs that link to further resources
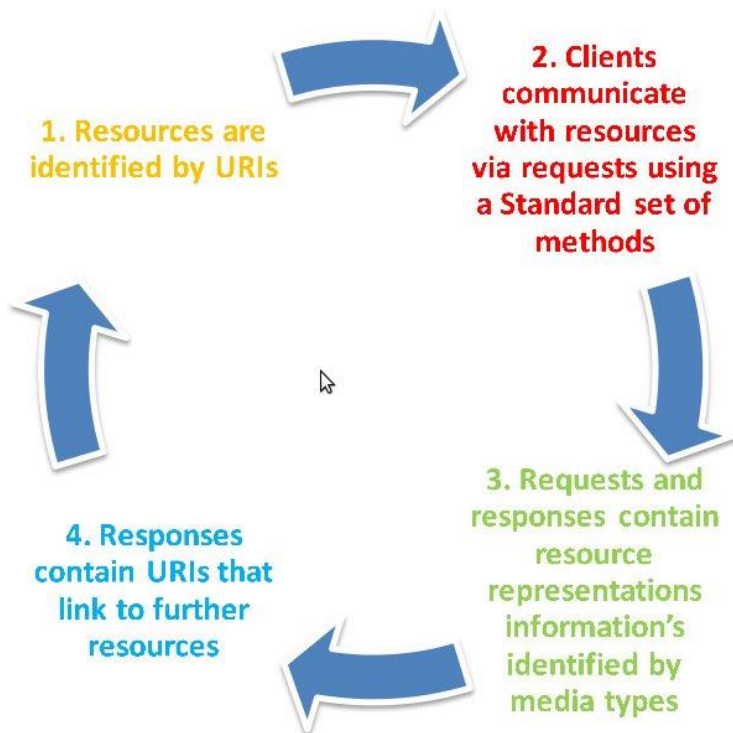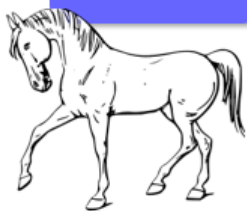
REST vs SOAP

REST

Rides directly on HTTP. Plain and simple. In reality, this is all you need to send data from point A to point B and get the required response. Catch: Until something that represents a service contract is put in to place, it's kinda "anything goes".

HTTP

SOAP

The coach is your SOAP envelope: it wraps your data. Main strength is the presence of a contract: the WSDL. Gives you the "comfort" of easily generating artifacts. Catch: look at the complexity and added weight.

SPRING WEB SERVICES SUPPORT
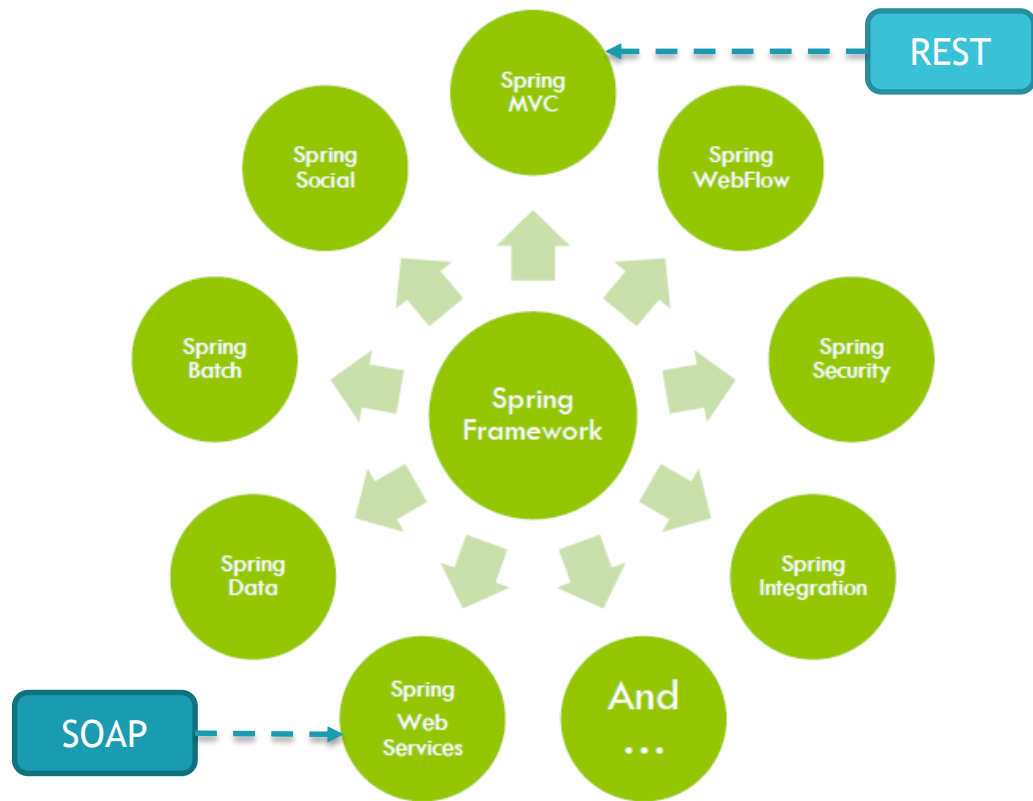
THANK YOU!

MAKSYM_GOVORISCHEV@EPAM.COM

MARCH, 2015