

ESB & Service Virtualization

Surya Anil Kumar Suravarapu

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Agenda

Enterprise Applications

ESB – Enterprise Service Bus

DevTest – Application Test and Service Virtualization

Identifying Scope

Forward Cars Application

Forward Cars – Architecture

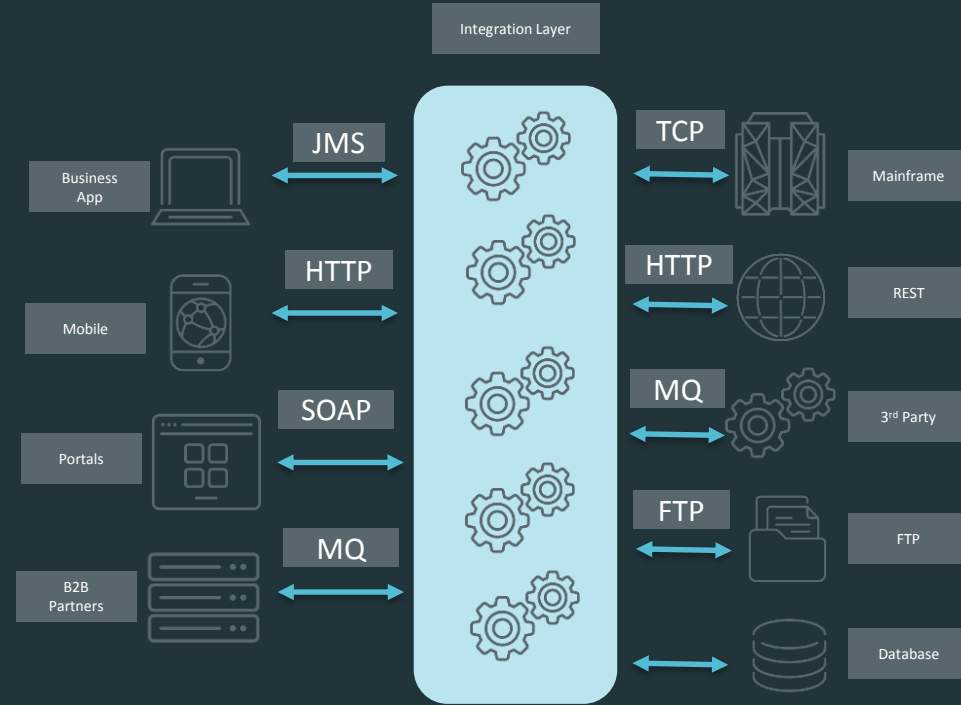
Forward Cars – Recording

Forward Cars – Virtual Service Playback

Demo

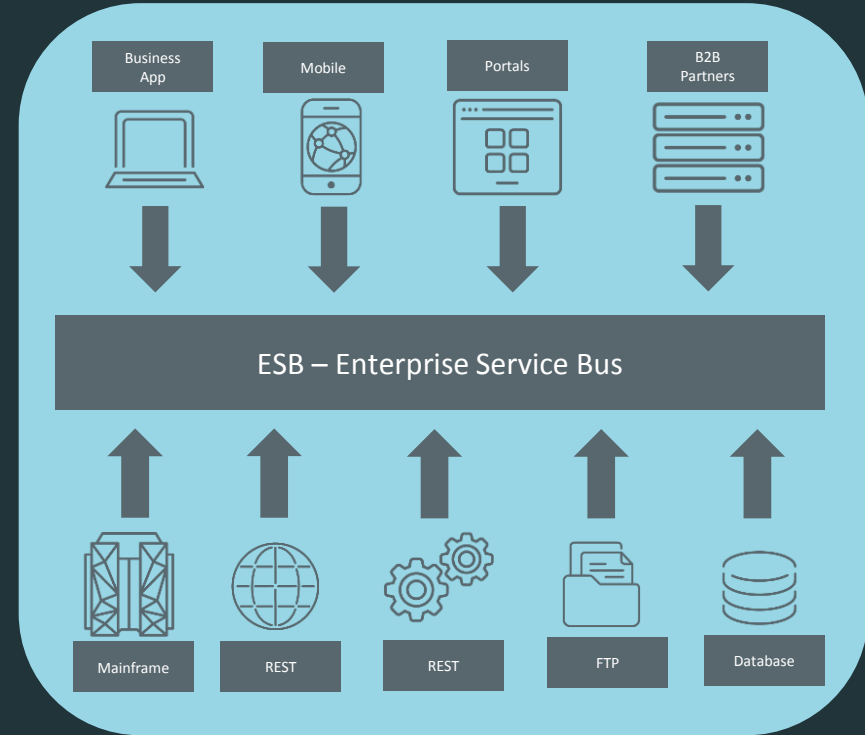
Enterprise Applications

- Application Economy
- Faster Delivery
- Numerous Integrations
- Increased Dependencies
- SOA / ESB Architectures
- API



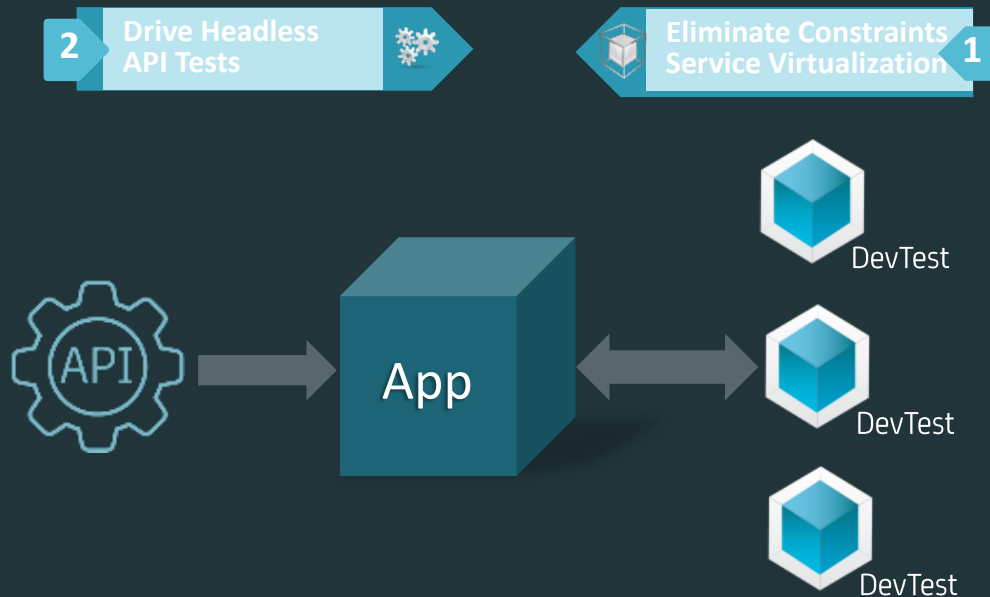
ESB – Enterprise Service Bus

- Software architecture
- Solves “Spaghetti” problem
- Communication & Transformation capabilities
- Reduced Integration times



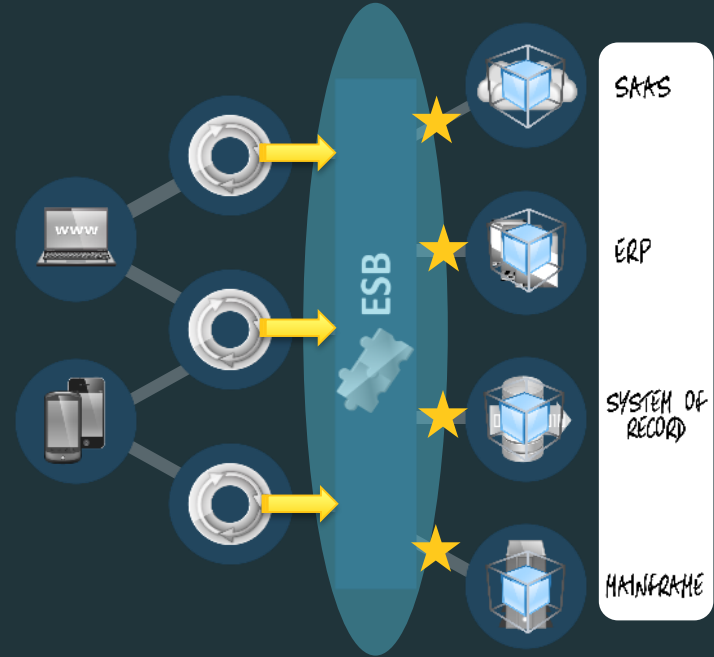
DevTest – Application Test and Service Virtualization

- Enable better component testing
 - “Always there” environments
 - More full-featured environments
 - Data/Access
 - End-to-end
 - Performance
- Eliminate both upstream and downstream constraints



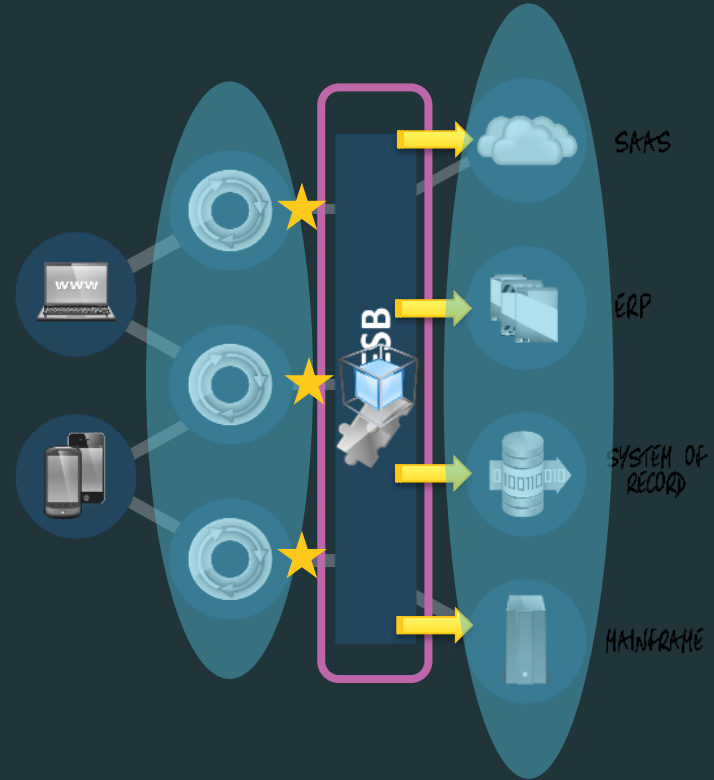
Identifying Scope

- Architecture diagram
- Identify what you need to test
- Identify types of interaction
- Virtualize the dependencies



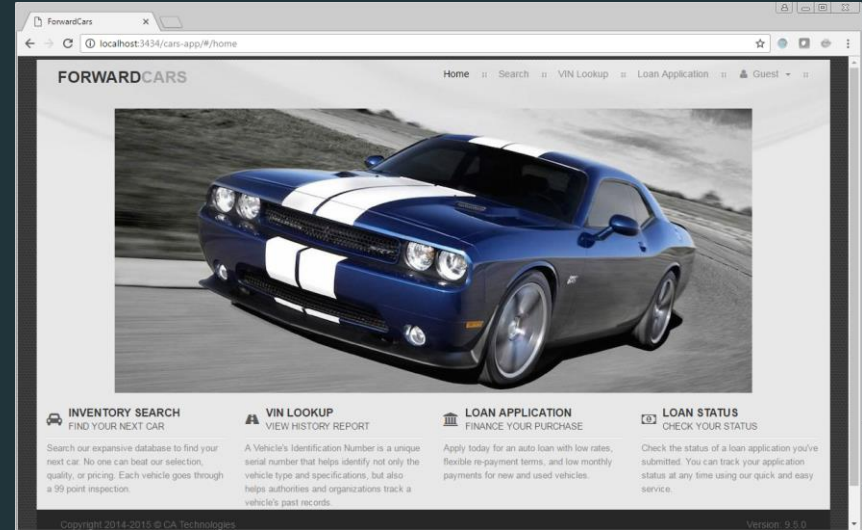
Identifying Scope

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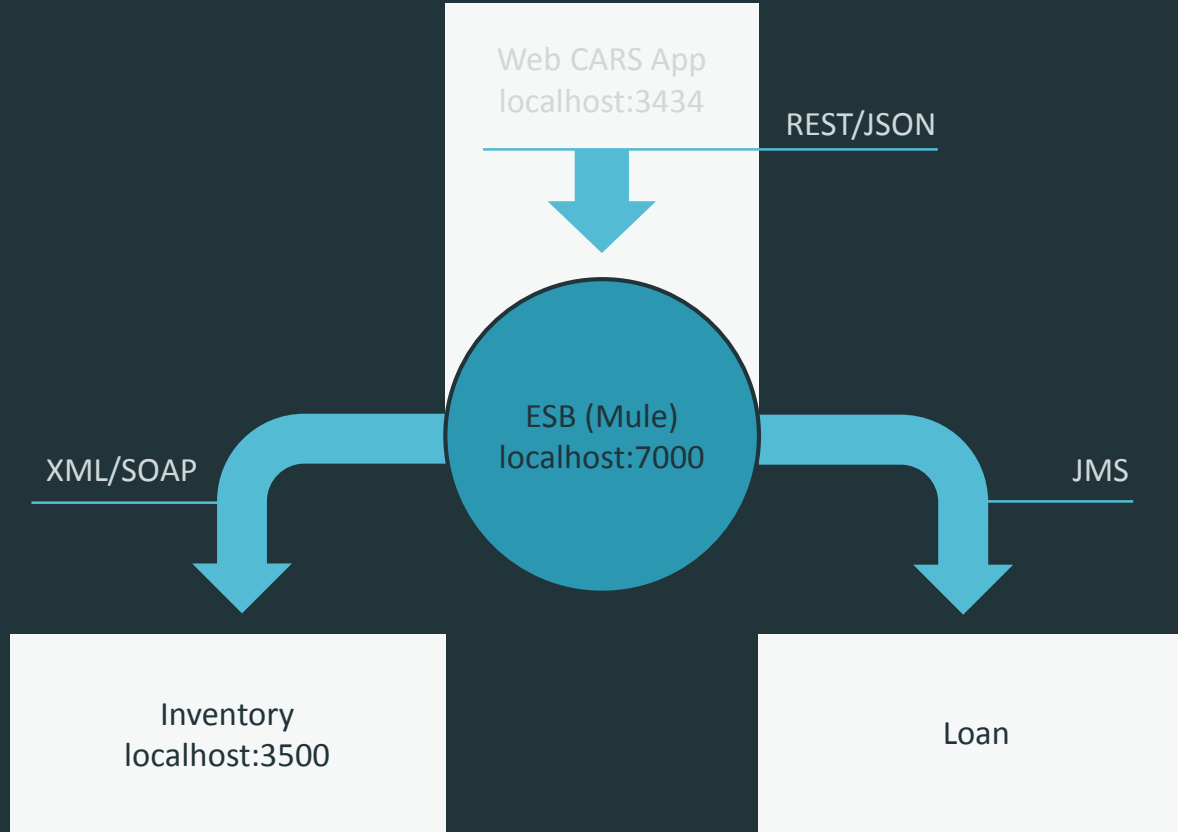


Forward Cars Application

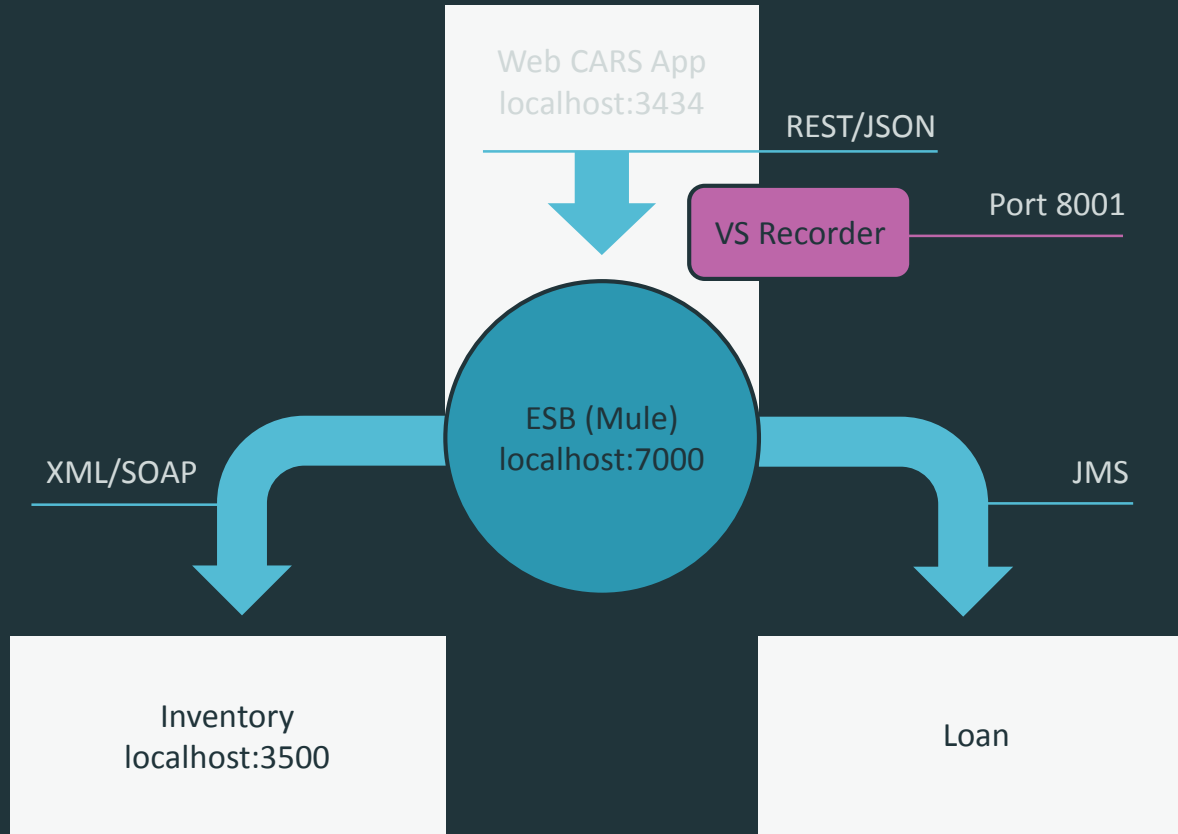
- New Example Application
- REST based Demo application
- REST and JMS Calls
- ESB Integration



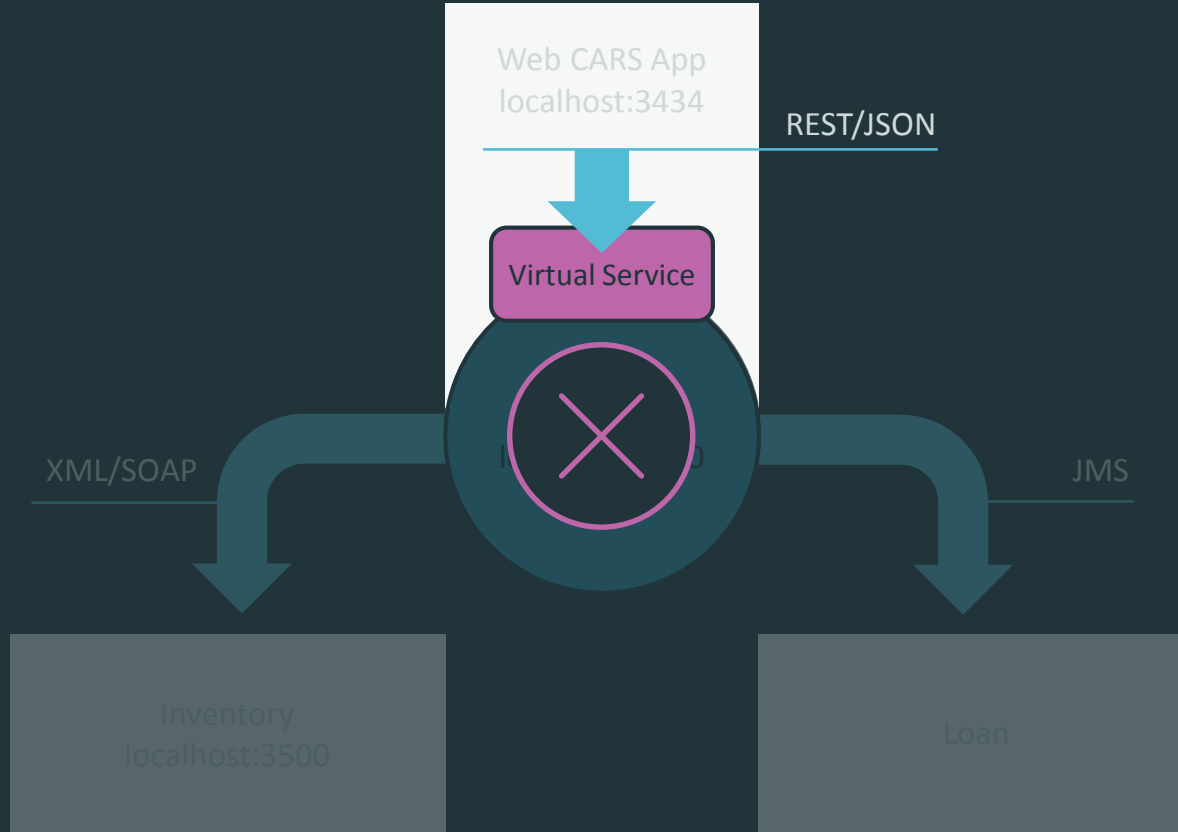
Forward Cars - Architecture



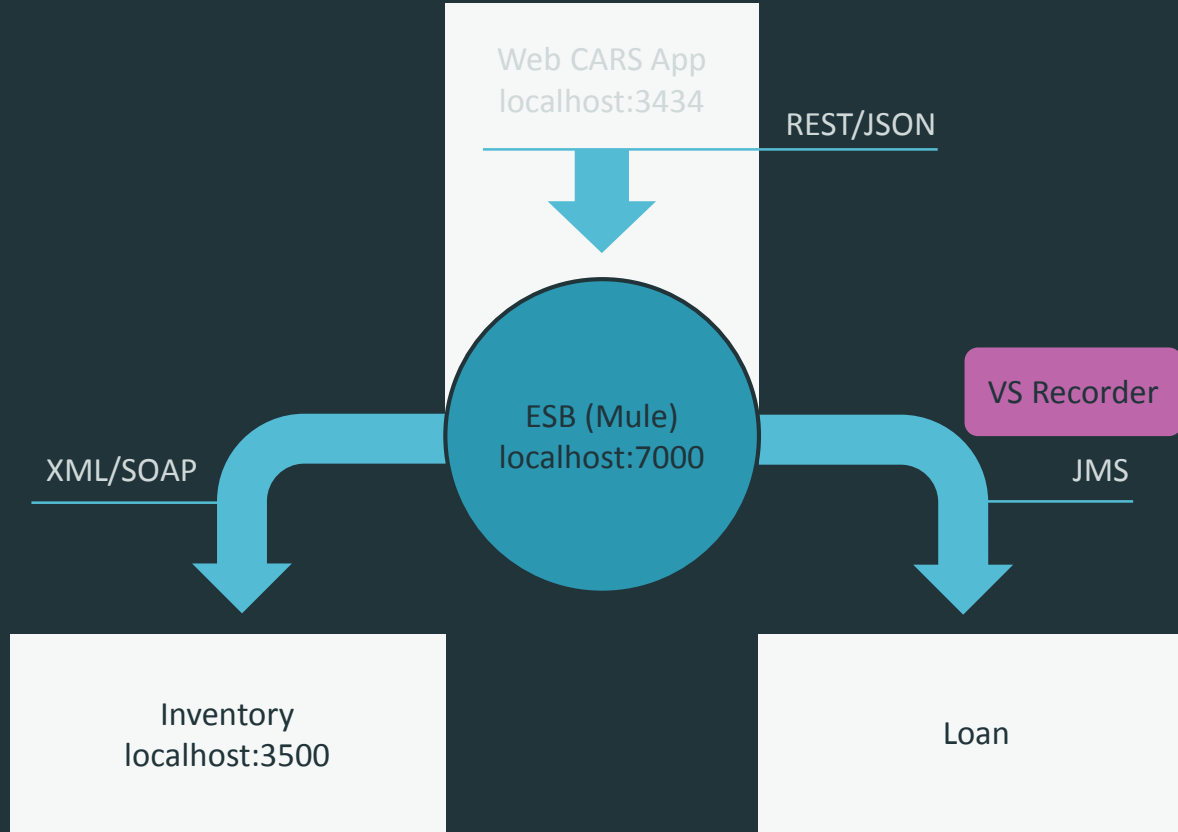
Forward Cars – Recording 1



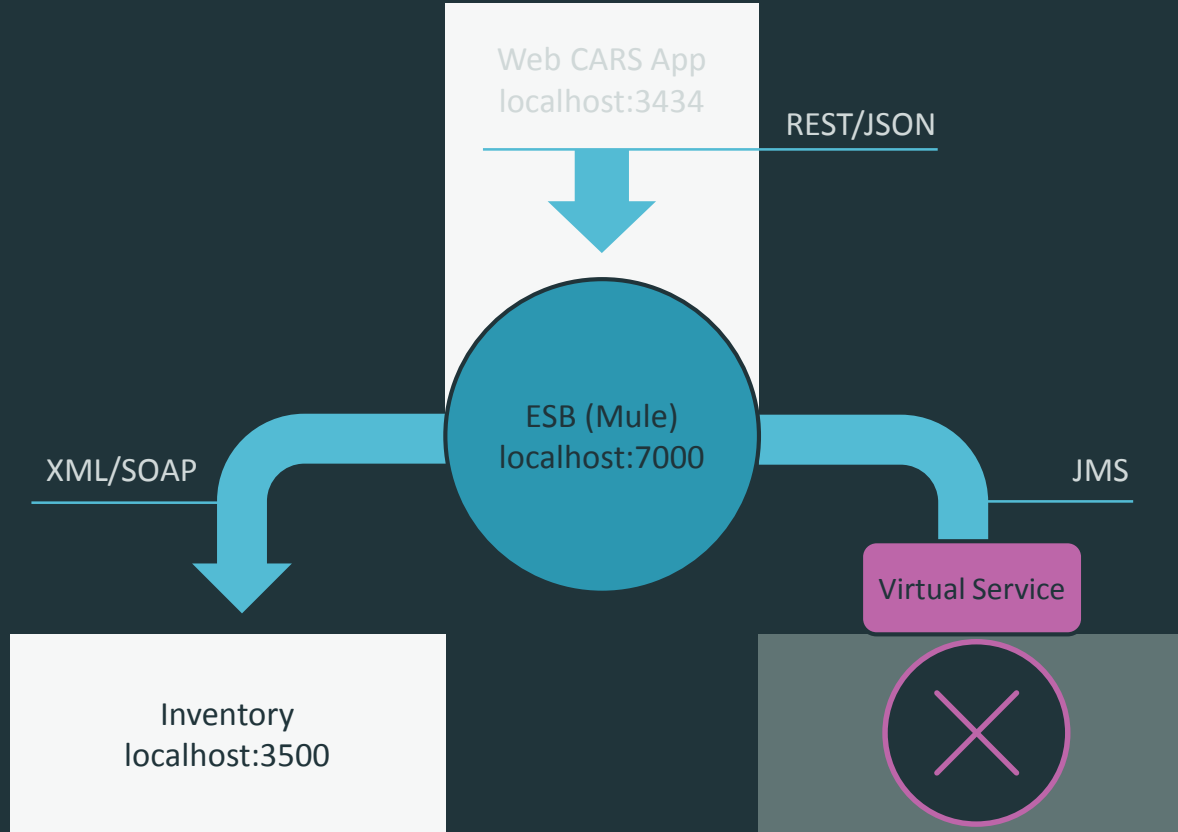
Forward Cars – Virtual Service Playback 1



Forward Cars – Recording 2



Forward Cars – Virtual Service Playback 2



Demo





Surya Anil Kumar Suravarapu

Sr. Engineering Services Architect

SuryaAnilKumar.Suravarapu@ca.com



[@suravarapu](https://twitter.com/suravarapu)



slideshare.net/SuryaAnilKumarSurava



linkedin.com/in/surya-suravarapu

ca.com