

# *Informacioni sistemi*

---

## **Servisna Magistrala Preduzeća**

Prof. Dr Milorad Tošić

**Katedra za Računarstvo,  
Elektronski fakultet, Univerzitet u Nišu**

- **ESB – Enterprise Service Bus**
- **Tehnološki zahtev**
  - ❖ *Ostvariti opštu integraciju aplikacija u organizaciji i tokova informacija izvan organizacije*
- **Poslovni zahtev**
  - ❖ *“Organizacija bez granica”*
  - ❖ *“Integrirani pristup integrisanim informacijama”*
  - ❖ *“Otvorena kompanija”*
  - ❖ *“Proširena kompanija”*

- **ESB – Enterprise Service Bus**

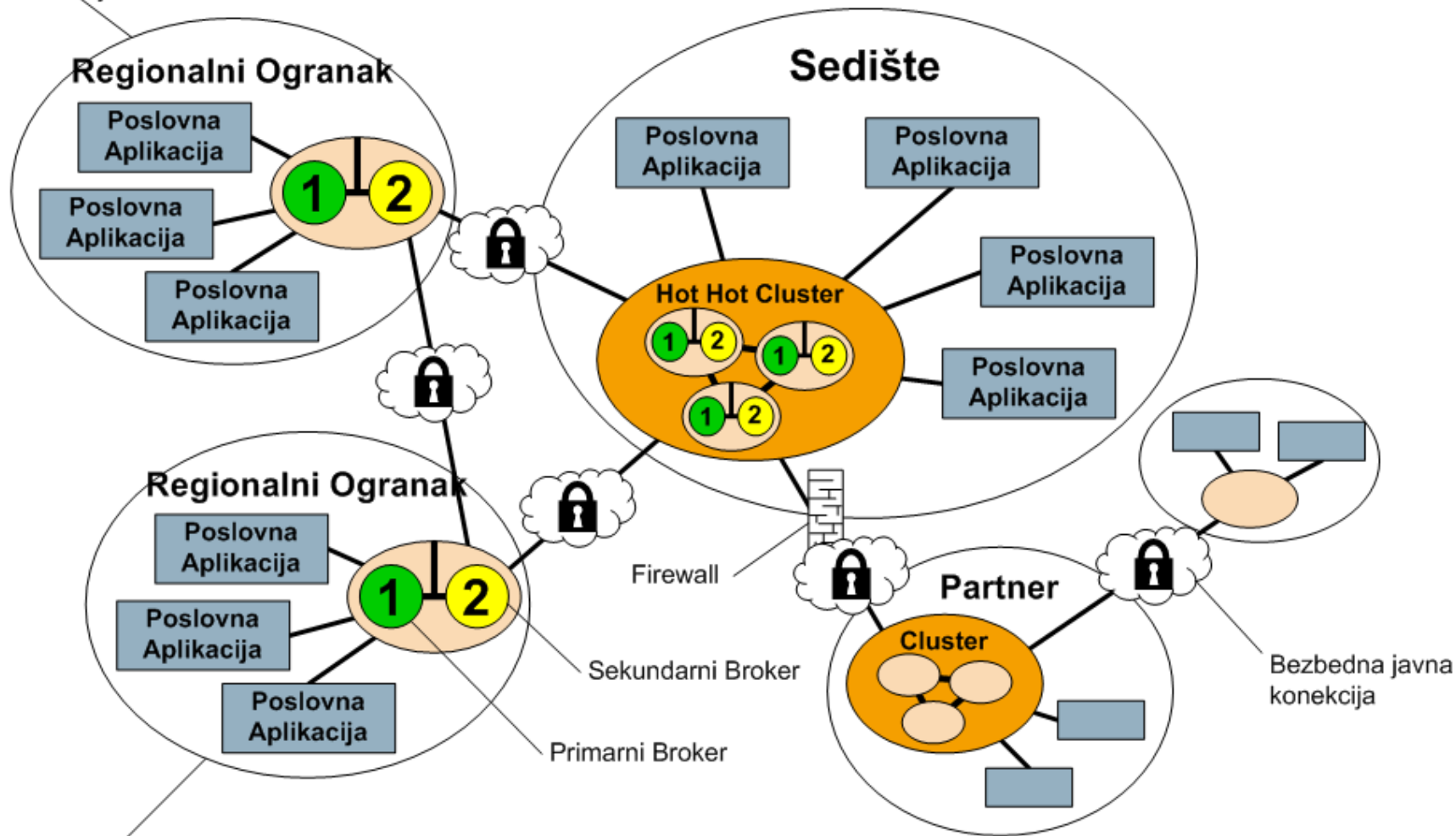
- ❖ *Implementaciona osnova za*

- slabo spregnute,
- dogadjajima-vodjene
- SOA

- ❖ *Obezbedjuje distribuiranu okolinu za odredišta do kojih se rutiraju poruke preko multi-protoklarne magistrale*

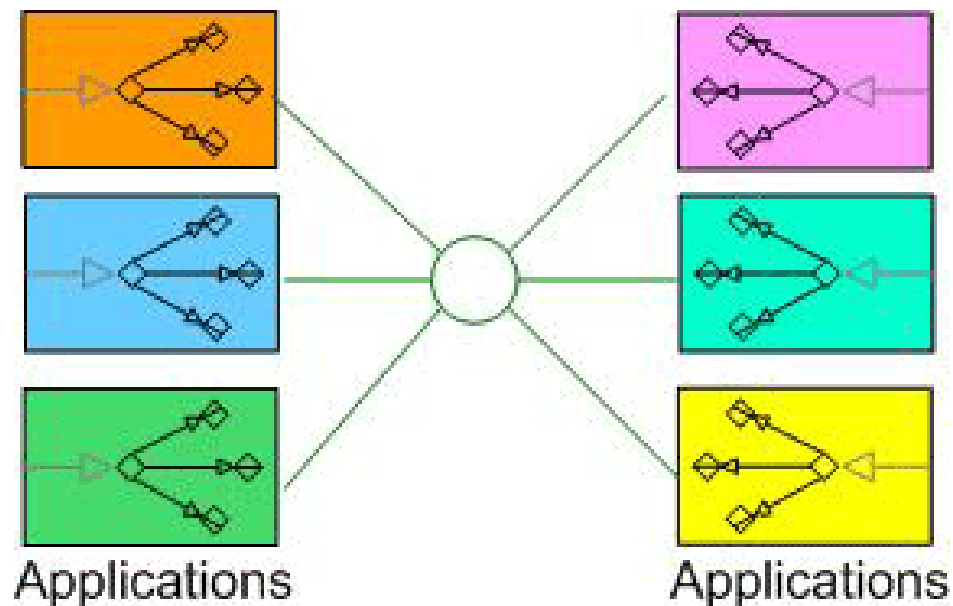
# Servisna Magistrala Preduzeća: Koncept

Udaljena lokacija



Udaljena lokacija

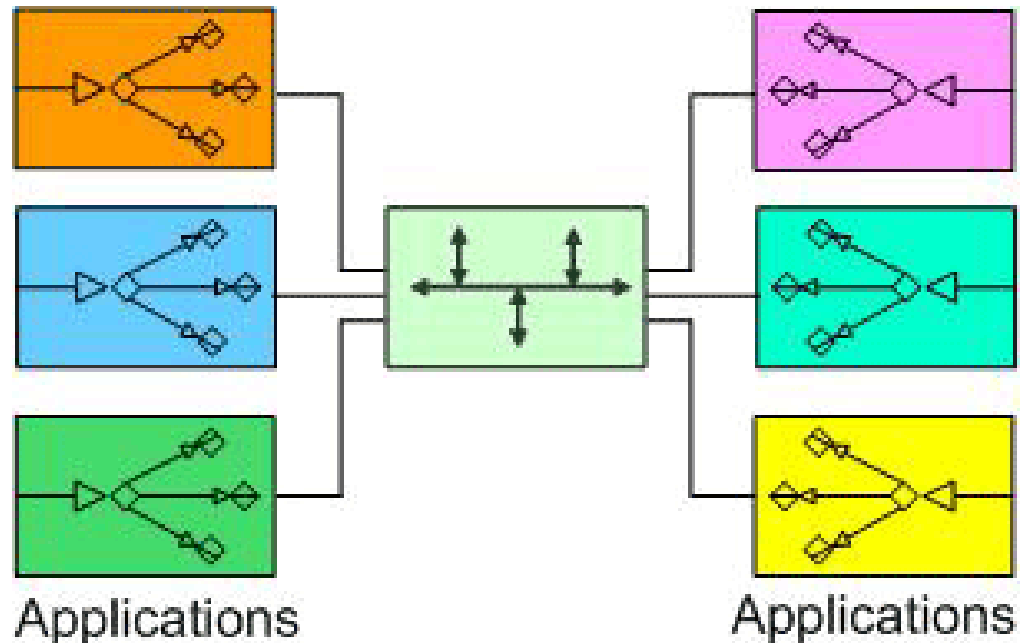
- **Centralizovana “hub-and-spoke” arhitektura**



Service Provisioning Through ESB, by [Binildas Christudas](#)

## ● ESB arhitektura

- ❖ *Okuplja nezavisne aplikacije u federaciju*
- ❖ *Aplikaciona i integraciona logika su razdvojene*
- ❖ *Apstraktni pogled na tačke integracije*
- ❖ *Podržava SOA*

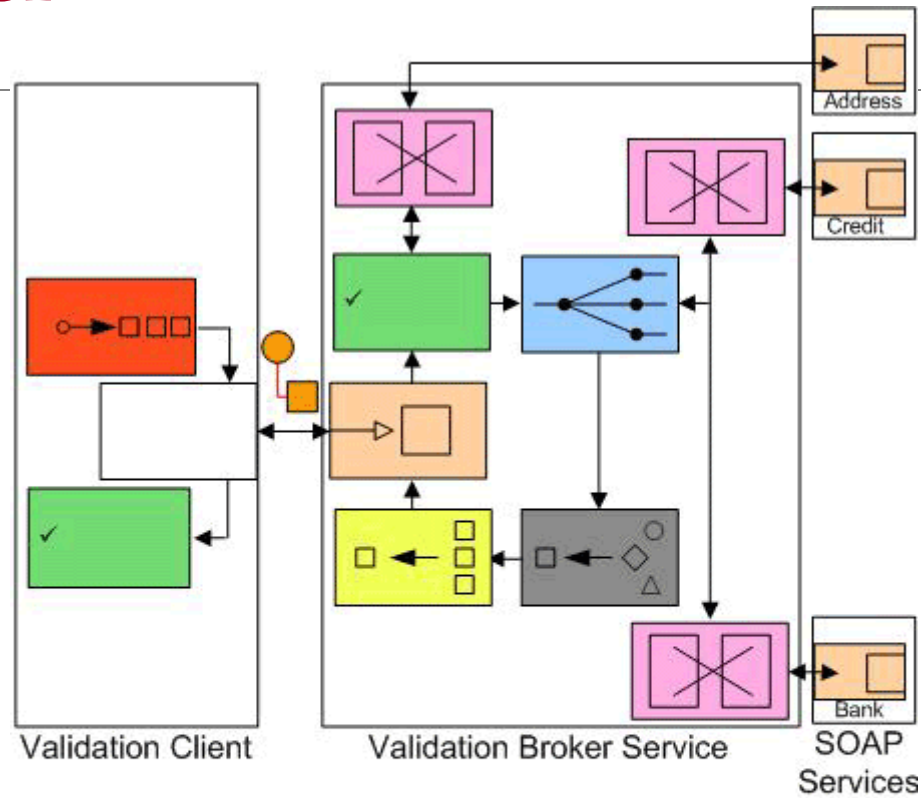


Service Provisioning Through ESB, by [Binildas Christudas](#)

- **Telekom kompanija prodaje VOIP servise**
- **Svaka narudžbina zahteva:**
  - ❖ *Validacija adrese*
  - ❖ *Validacija kreditne kartice, i*
  - ❖ *Validacija predistorije u banci*

Service Provisioning Through ESB, by [Binildas Christudas](#)

# ESB primer



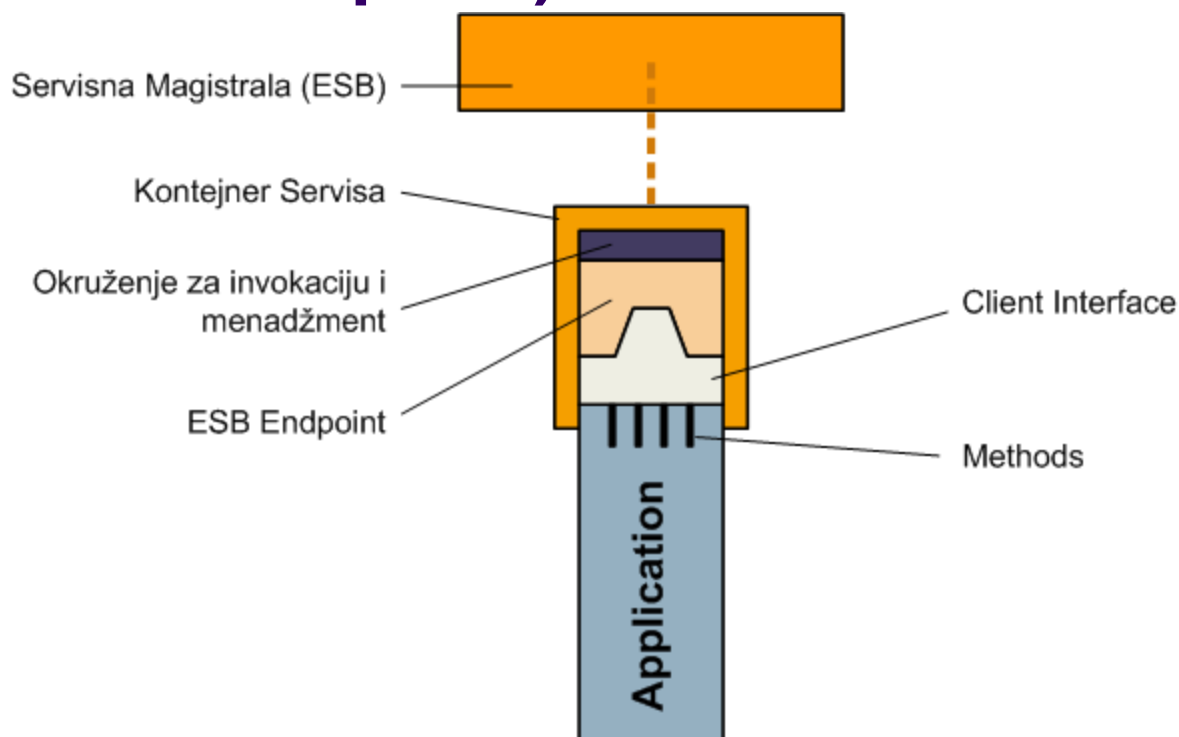
## Legend



Service Provisioning Through ESB, by [Binildas Christudas](#)



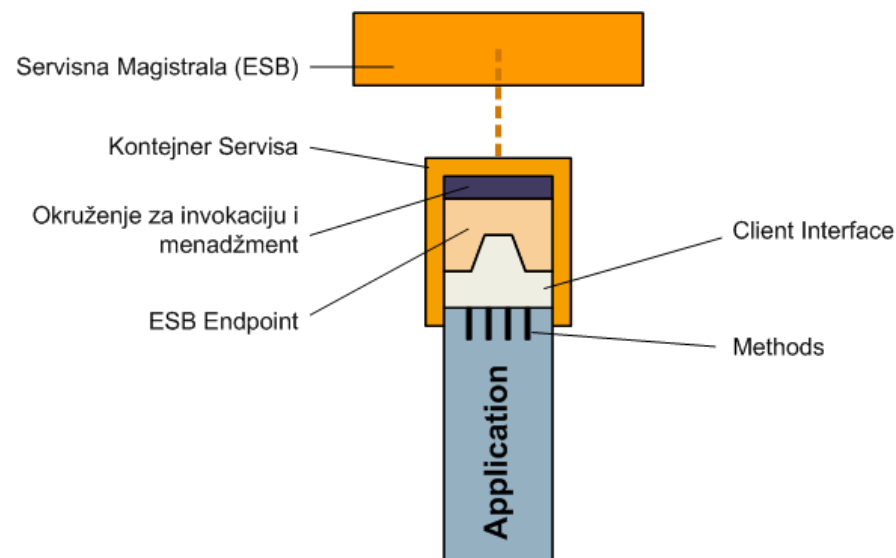
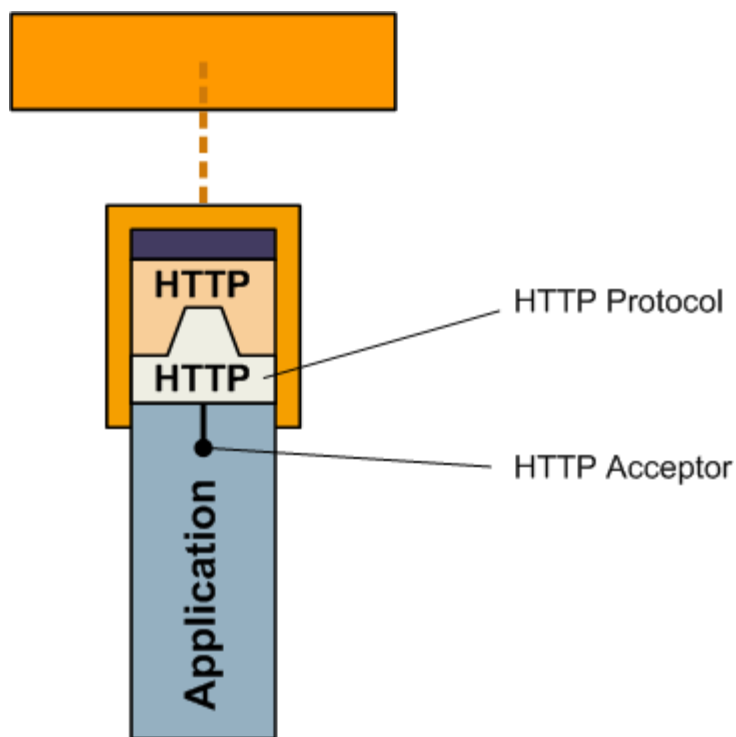
- **Apstraktno mesto spajanja  
(Generic Endpoint)**



**Enterprise Service Bus**, by David Chappell

# *ESB komponente*

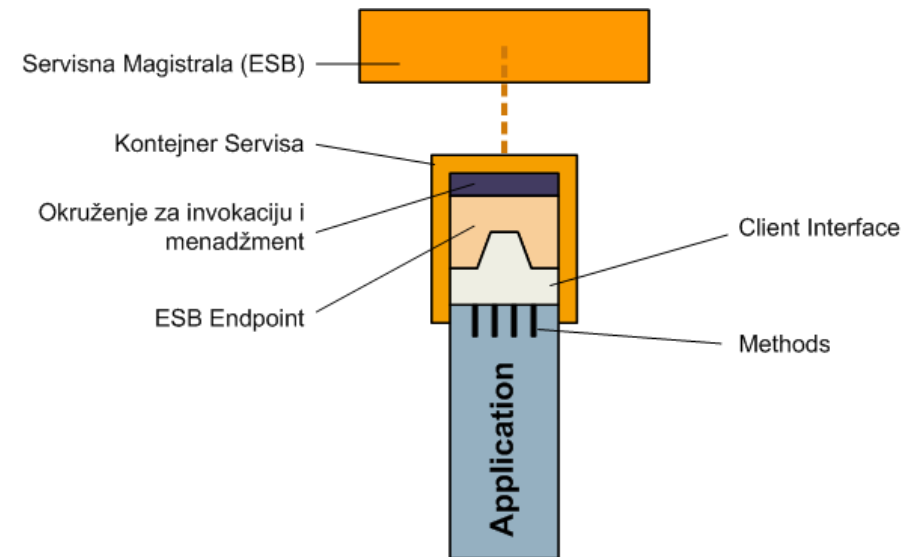
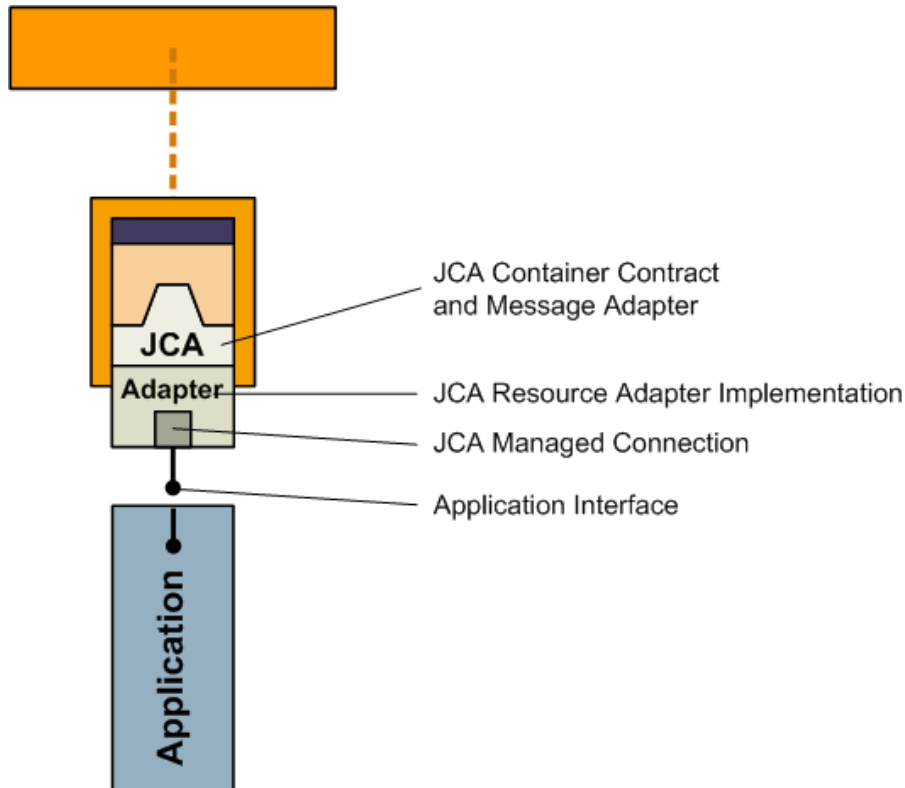
- **Mesto spajanja za HTTP protokol (HTTP Endpoint)**



Enterprise Service Bus, by David Chappell

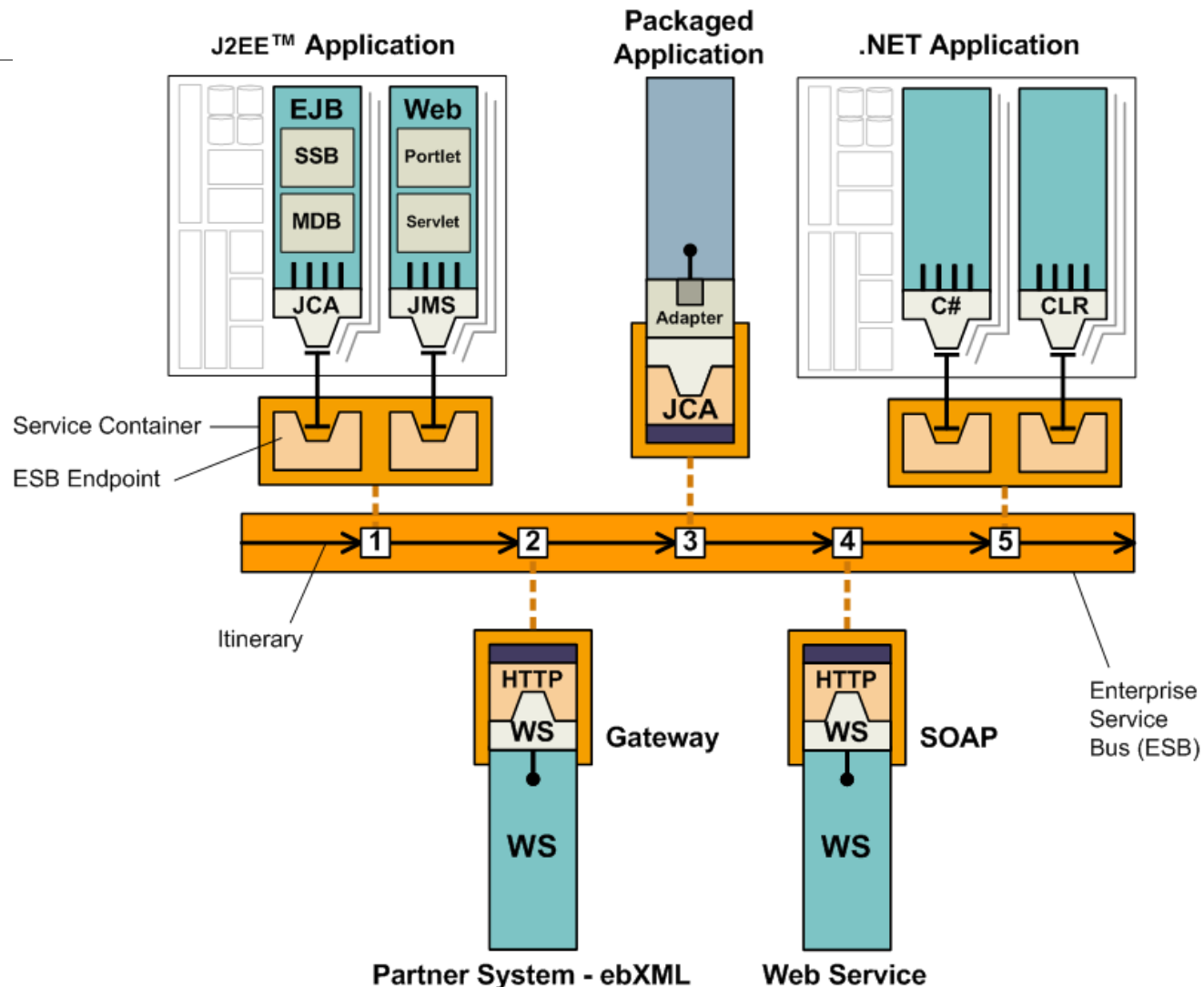
# *ESB komponente*

- **JCA adapter**



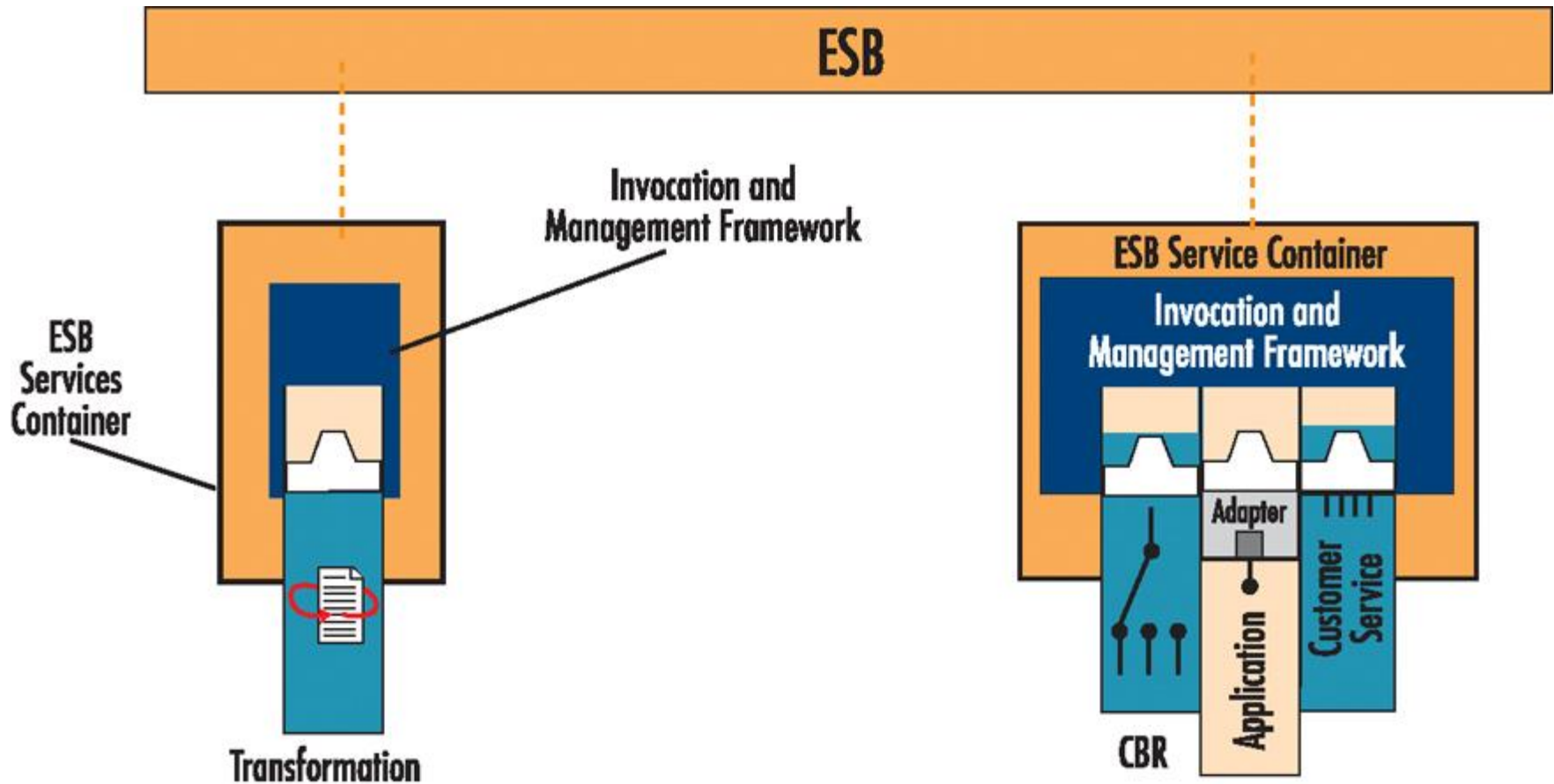
Enterprise Service Bus, by David Chappell

# Sonic ESB



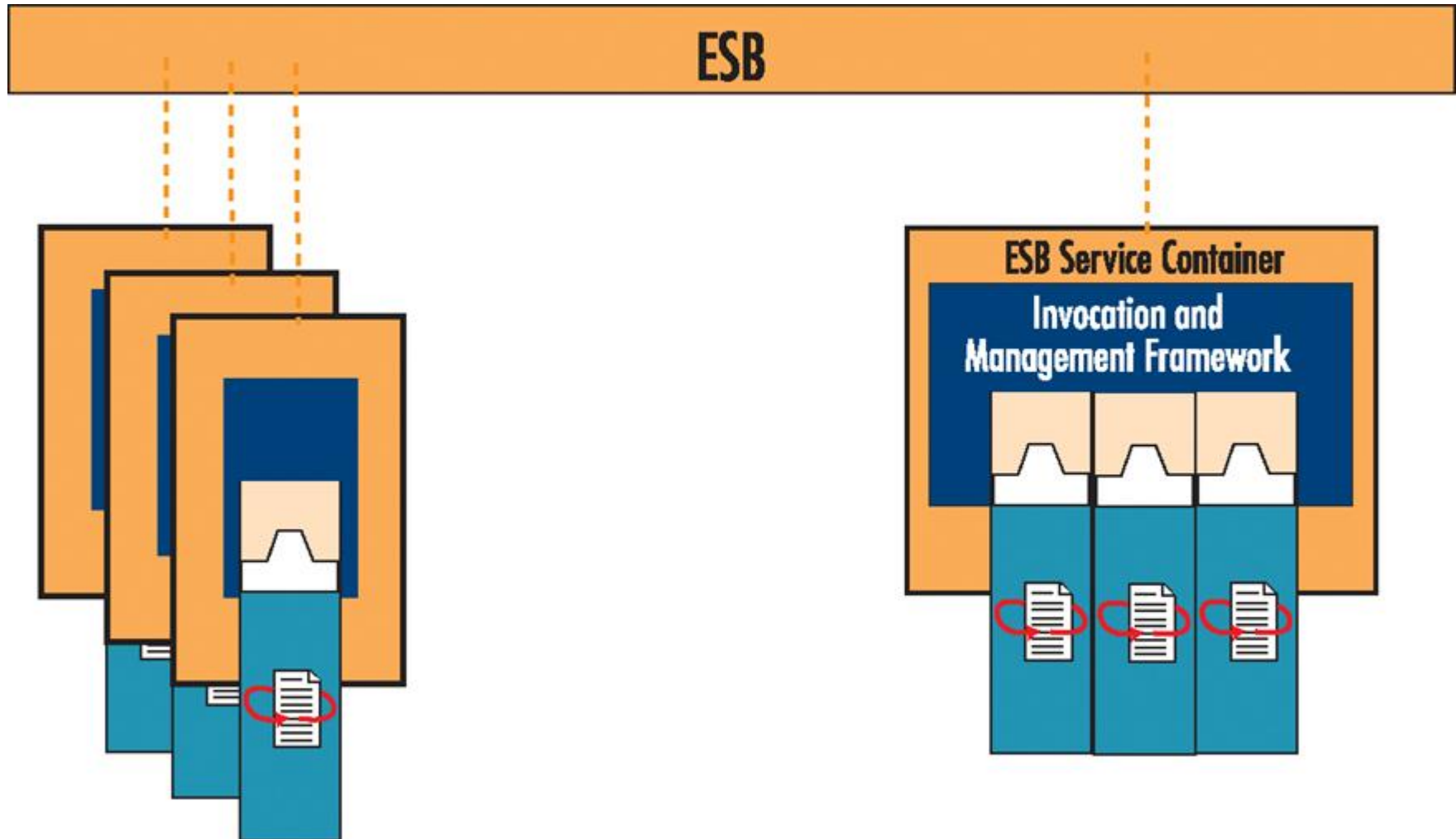
Enterprise Service Bus, by David Chappell

# *Okruženje za invokaciju i menadžment*



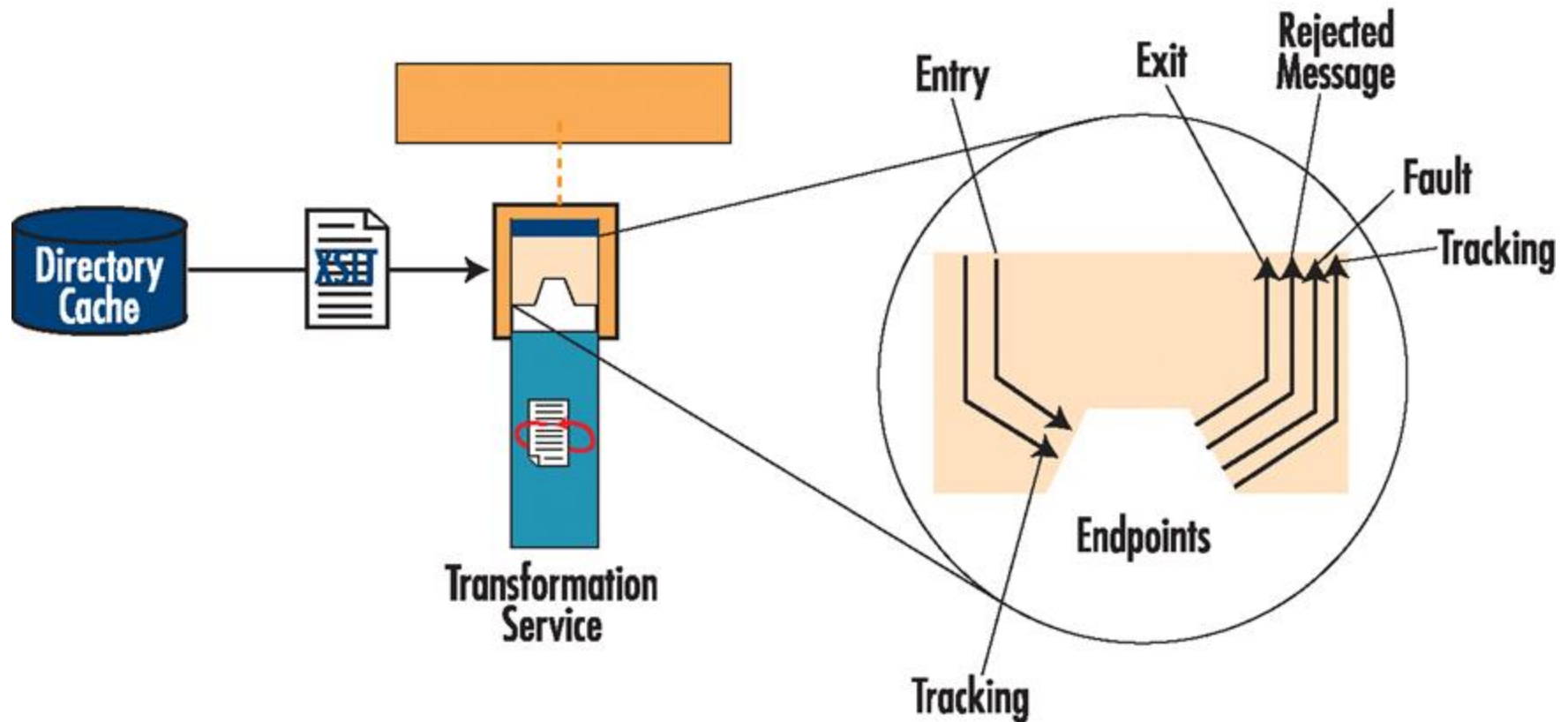
ESB Integration Patterns, by SZS-CON Media Inc.

# *Okruženje za invokaciju i menadžment*

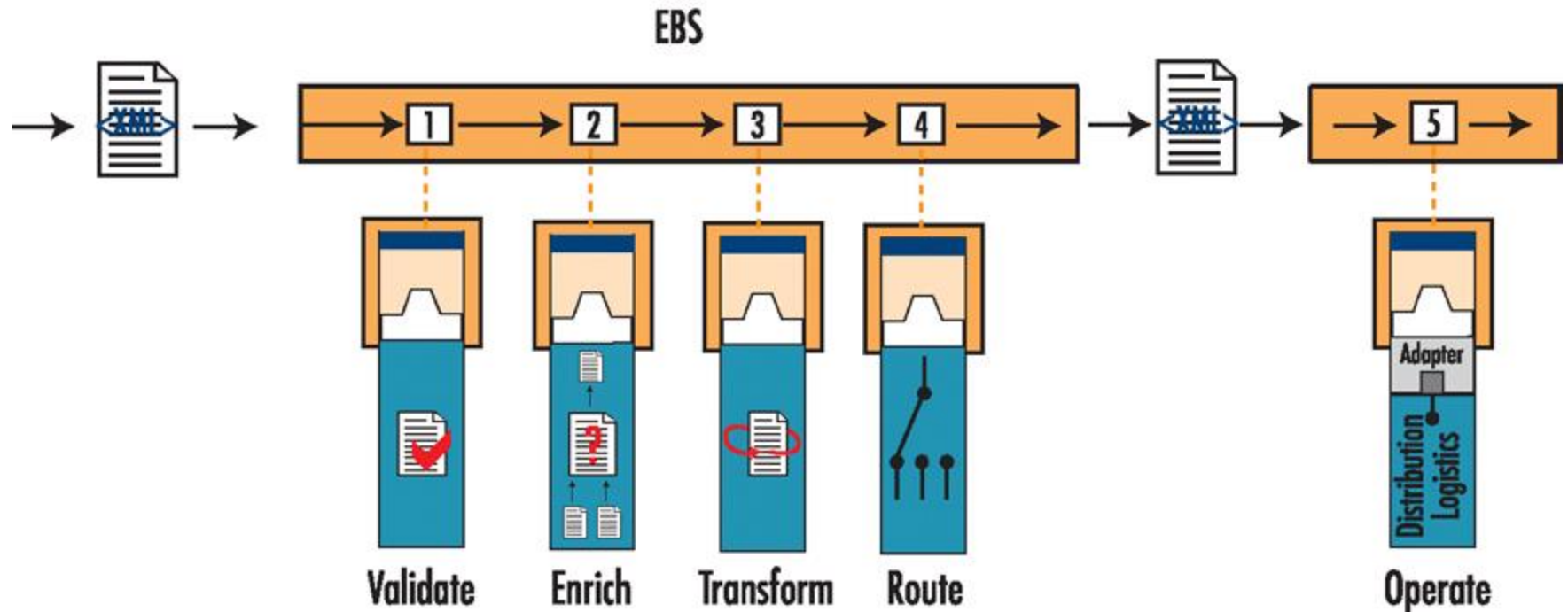


ESB Integration Patterns, by SZS-CON Media Inc.

# *Koncept rutiranja u ESB*



# *VETRO obarazac u ESB*



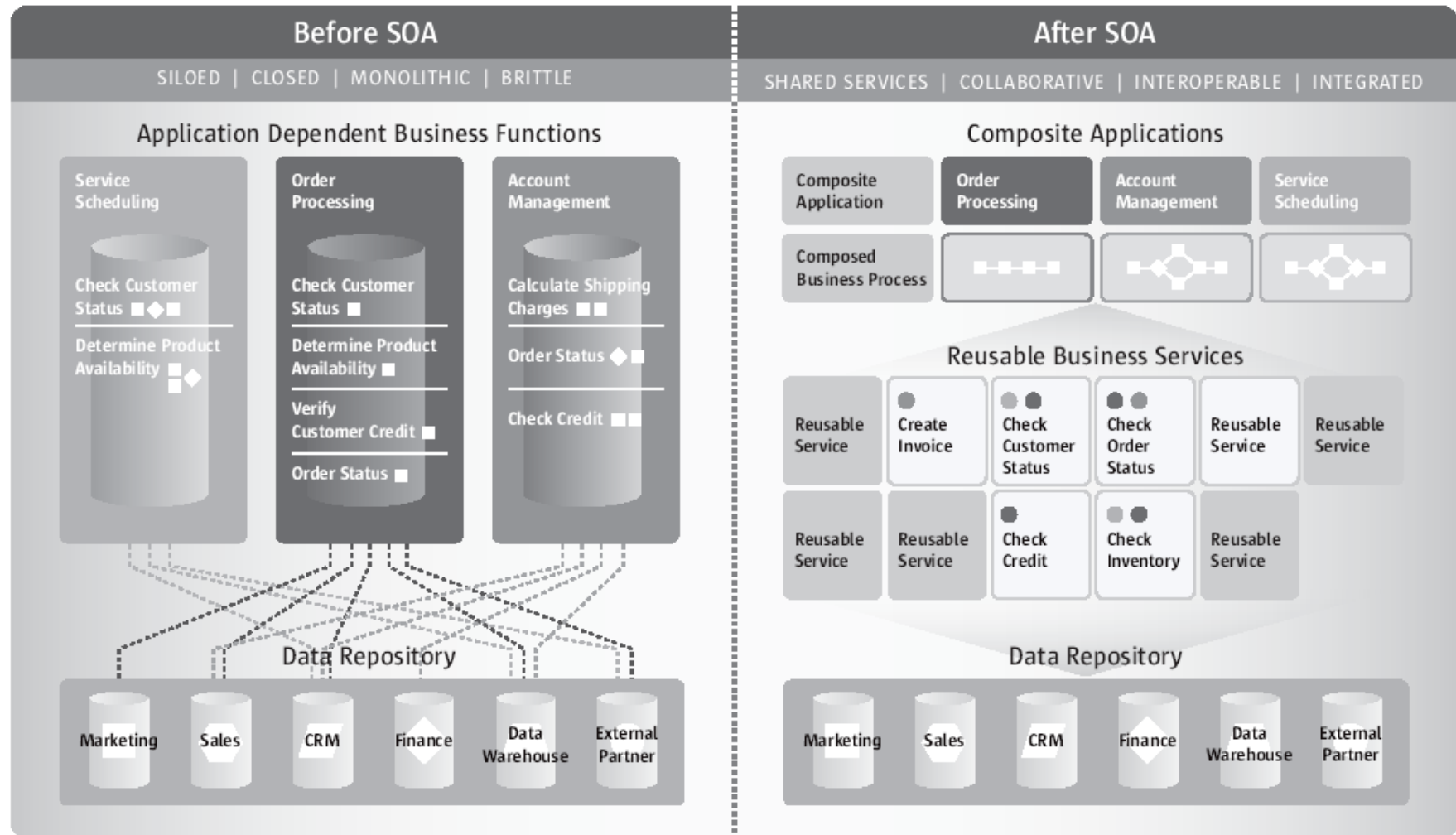
ESB Integration Patterns, by SZS-CON Media Inc.

Prof. Dr Milorad Tosic

Informacioni sistemi



# Servisima Orijentisana Arhitektura



# Aktivnosti na predavanjima

Strana [http://infosys3.elfak.ni.ac.yu/nastava/Wiki.jsp?page=ISNP\\_PredavanjaStudentiZadaci0809](http://infosys3.elfak.ni.ac.yu/nastava/Wiki.jsp?page=ISNP_PredavanjaStudentiZadaci0809)

- ❖ Pregled aktivnosti studenata do sada: problemi i planovi
- ❖ Planiranje studentskih prezentacija