SAP Integration with Red Hat JBoss Fuse

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Why is SAP Integration Important?

✧ 74% of World’s Transaction Revenue
✧ $16 Trillion of Consumer Purchases Worldwide
✧ 85% Global Fortune 500 are Customers
SAP Integration with Red Hat JBoss Fuse

✧ Enhancements to our SAP Integration Solution
✧ SAP Integration Solutions
✧ Flight Booking Demo
✧ Q & A
Enhancements to our SAP Integration Solution
Enhancements in our SAP Integration Solution

✧ Full support of all SAP RFC protocols
 ✧ sRFC – Synchronous Request & Response
 ✧ tRFC – Asynchronous Guaranteed Delivery
 ✧ qRFC – Asynchronous Guaranteed & Ordered Delivery
✧ Support for EDI
✧ Sending and Receiving of IDocs
Enhancements in our SAP Integration Solution
SAP Integration Solutions
Integration Scenarios

- **Lookup a Flight**
  - Find Matching Flight
  - Get Flight Details
  - Extracting Data From SAP

- **Book a Flight**
  - Book Flight
  - Updating Data in SAP

- **Rebook a Flight**
  - Cancel Flight Booking
  - Book New Flight
  - Series of Data Updates in SAP

- **Handle Flight Booking Lookup**
  - Flight Booking Lookup
  - Lookup Flight Booking
  - Extracting Data to SAP

- **Handle Flight Booking Confirmation**
  - Flight Booking Confirmation
  - Confirm Flight Booking
  - Updating Data from SAP

- **Handle Flight Booking Notification**
  - Flight Booking Notifications
  - Log Flight Booking Notification
  - Series of Data Updates from SAP
Extracting Data from SAP

SAP Synchronous RFC Destination Component
Updating Data in SAP

SAP Transactional RFC Destination Component
Series of Data Updates to SAP
Extracting Data to SAP

SAP Synchronous RFC Server Component

Flight Booking Lookup

Lookup Flight Booking

sRFC

sRFC

ABAP

SAP

Apache Camel

JBoss FUSE

SAP RFC Server Component
Updating Data from SAP

Flight Booking Confirmation → Confirm Flight Booking

SAP Transactional RFC Server Component

Apache Camel

JBoss Fuse

SAP TRFC

ABAP
Series of Data Updates from SAP

SAP Transactional RFC Server Component
EDI Integration Scenarios

**Book a Flight**
- Book Flight
- Sending an IDoc to SAP

**Rebook a Flight**
- Cancel Flight Booking
- Book New Flight
- Sending a series of IDocs to SAP

**Handle Flight Booking Confirmation**
- Flight Booking Confirmation
- Confirm Flight Booking
- Receiving an IDoc from SAP

**Handle Flight Booking Notification**
- Flight Booking Notifications
- Log Flight Booking Notification
- Receiving a series of IDocs from SAP
Sending an IDoc to SAP

SAP IDoc Destination Component
Sending a List of IDocs to SAP

SAP IDoc List Destination Component
Sending a Series of IDocs to SAP

SAP Queued IDoc Destination Component

Apache Camel

Cancel Flight Booking

Book New Flight

TID

qRFC

Queue

SAP Queued IDoc Destination Component

BAPI

Inbound Queue
Sending a Series of IDocs Lists to SAP

SAP Queued IDoc List Destination Component
Receiving an IDoc from SAP

SAP IDoc List Server Component

Apache Camel

Flight Booking Confirmation

Confirm Flight Booking
Receiving a Series of IDocs from SAP
Flight Booking Demo
Summary

- Full Support of SAP Protocols
- Support for EDI Between Camel and SAP using IDocs
- Solving Integration Scenarios with SAP
Resources

◊ Flight Booking Demo - https://github.com/punkhorn/flight-booking-demo
◊ SAP Quick Starts - https://github.com/punkhorn/sap-quickstarts
Questions?
RED HAT SUMMIT

LEARN. NETWORK. EXPERIENCE OPEN SOURCE.
Backup Slides
Enhancements in the SAP Integration Solution

Destination Endpoint

Server Endpoint

JBoss®
FUSE
6.1 SAP Component
Enhancements in the SAP Integration Solution

SAP sRFC Destination Component

SAP sRFC Server Component
SAP Stateful Session Support
### SAP RFC Message Format

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