

RED HAT
SUMMIT

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SAP Integration with Red Hat JBoss Fuse

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June 25, 2015

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

RFC Components



IDoc Components

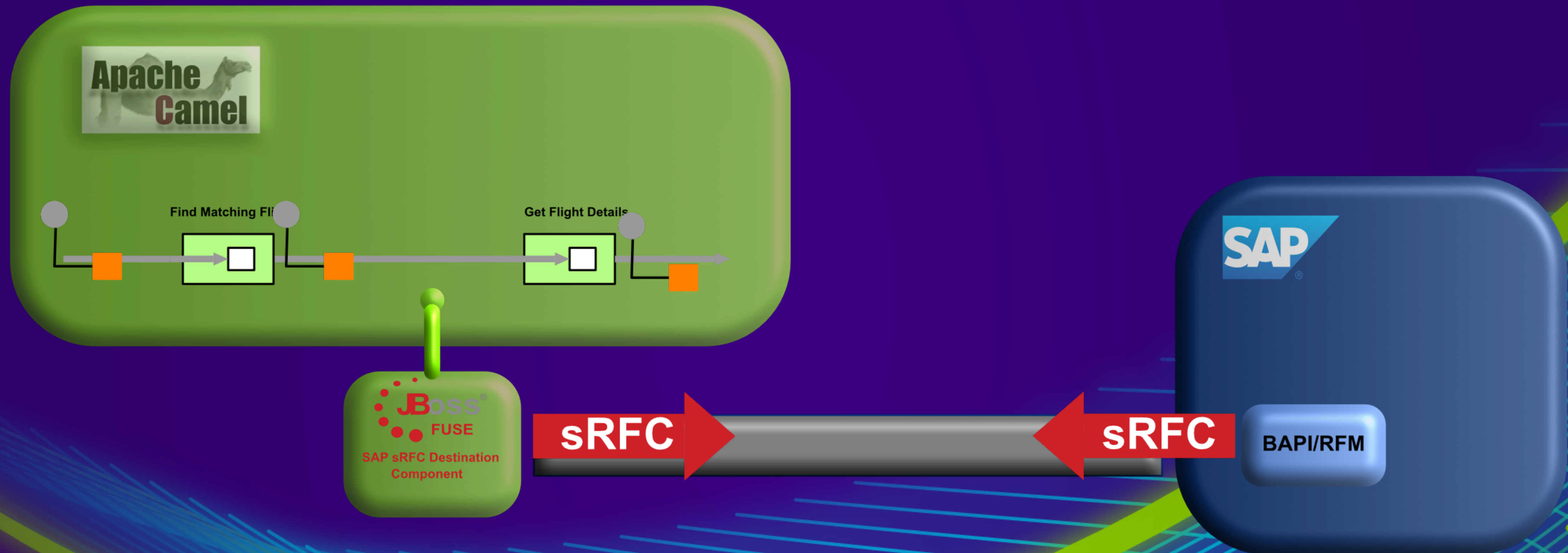


SAP Integration Solutions

Integration Scenarios

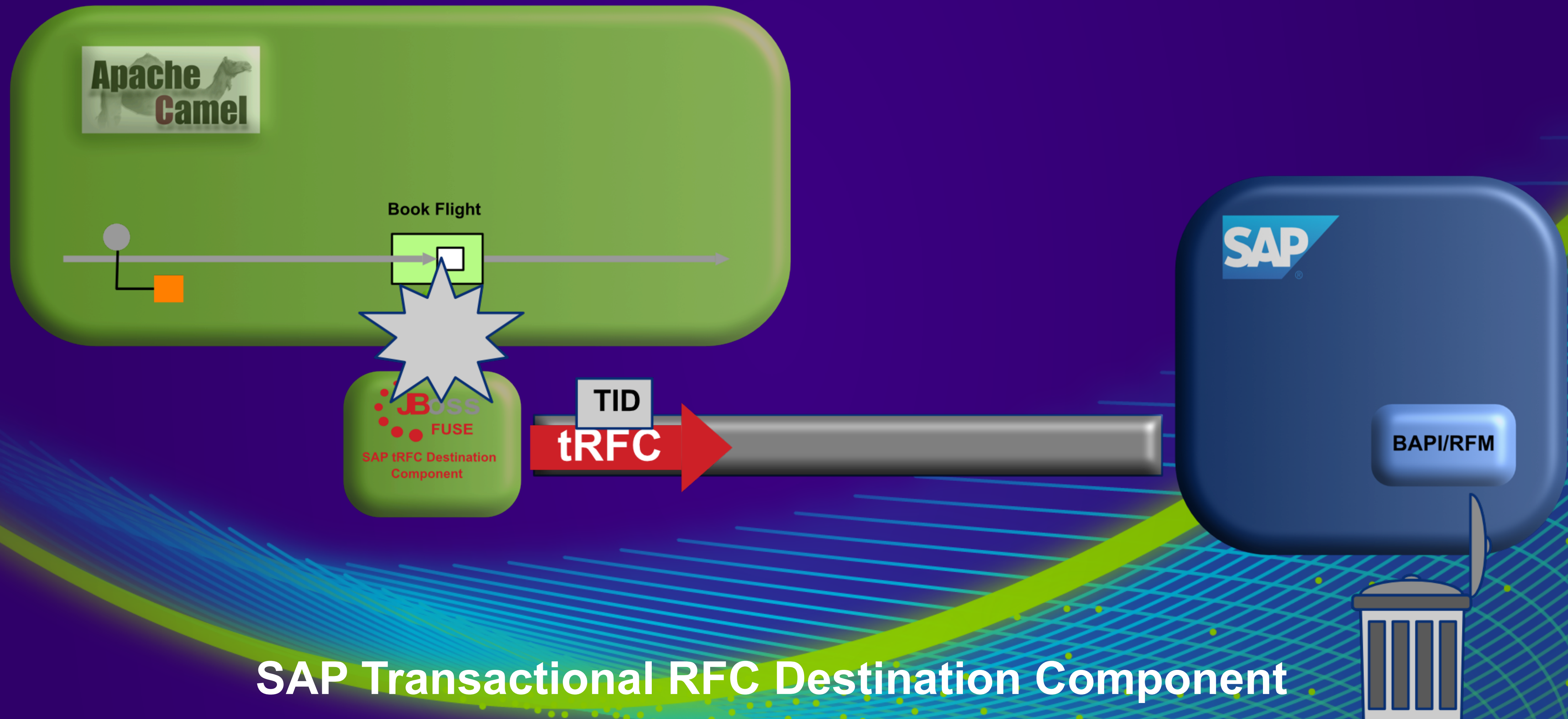


Extracting Data from SAP



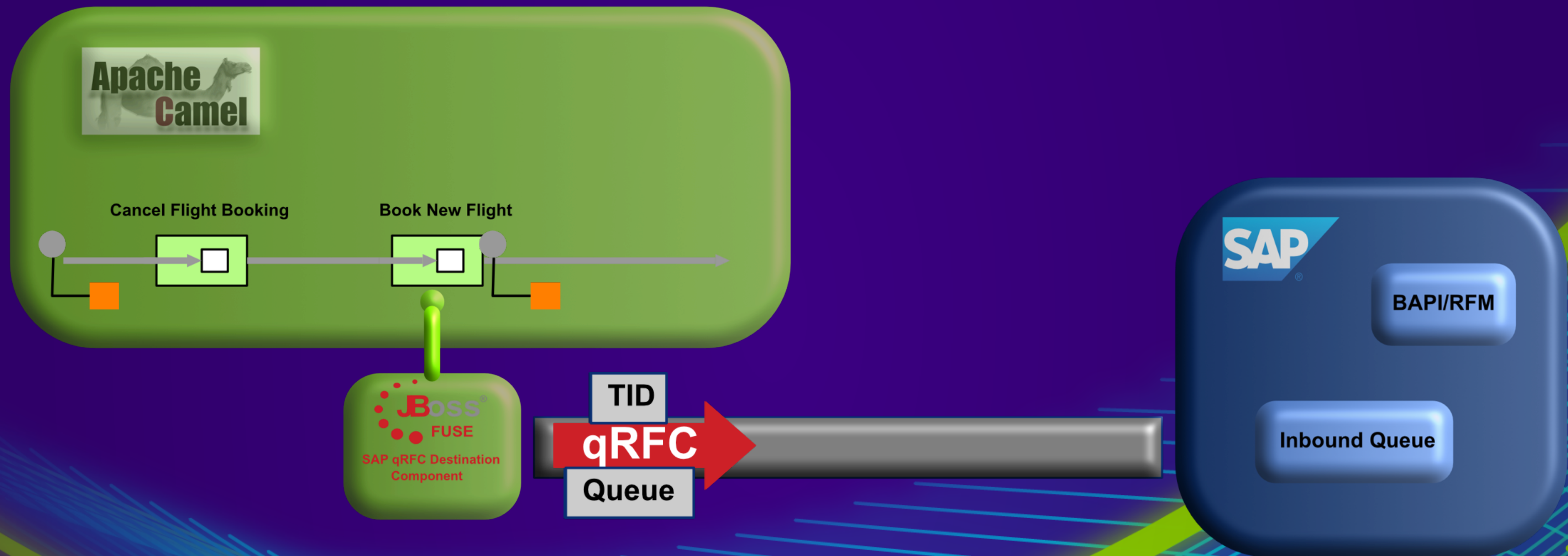
SAP Synchronous RFC Destination Component

Updating Data in SAP



SAP Transactional RFC Destination Component

Series of Data Updates to SAP



SAP Queued RFC Destination Component

Extracting Data to SAP



SAP Synchronous RFC Server Component

Updating Data from SAP



SAP Transactional RFC Server Component

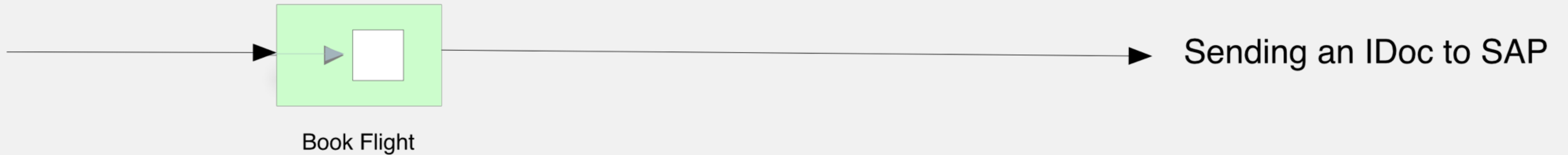
Series of Data Updates from SAP



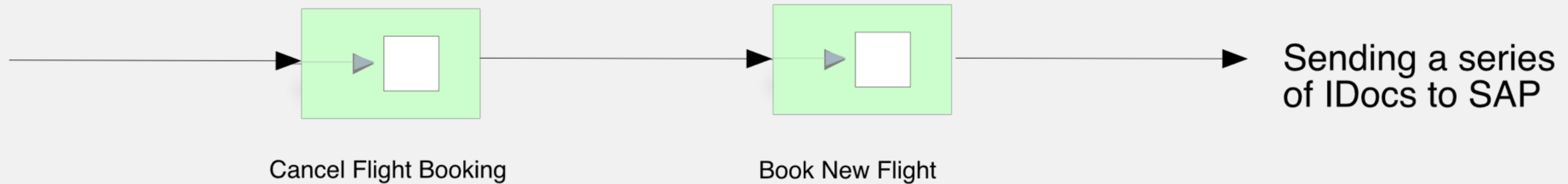
SAP Transactional RFC Server Component

EDI Integration Scenarios

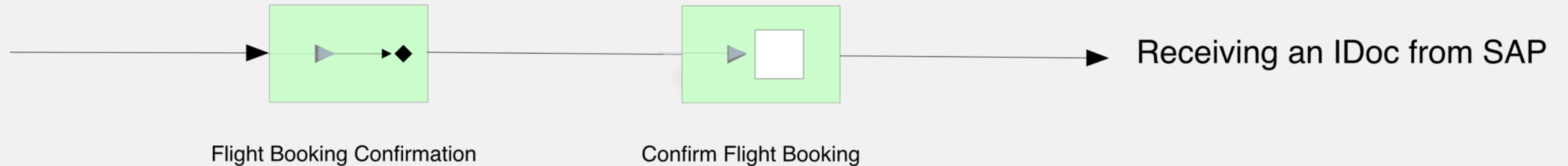
Book a Flight



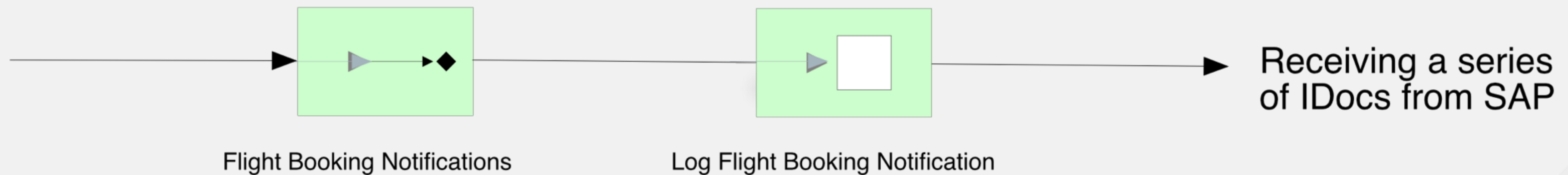
Rebook a Flight



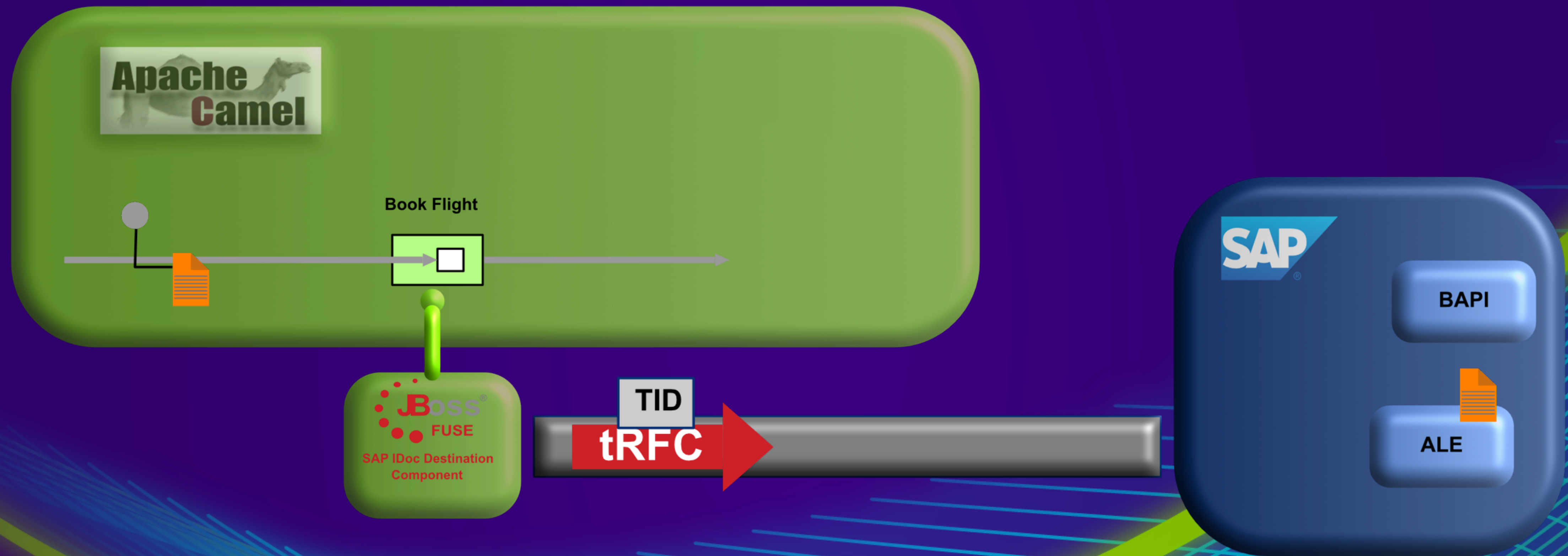
Handle Flight
Booking
Confirmation



Handle Flight
Booking
Notification

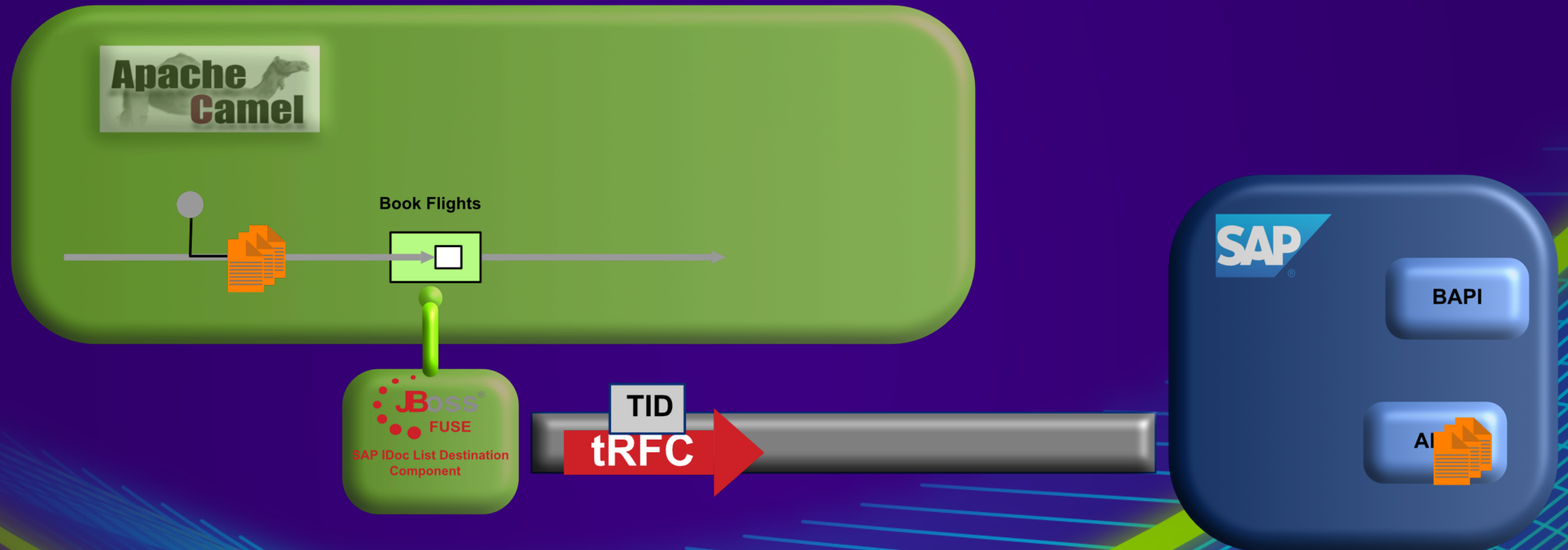


Sending an IDoc to SAP



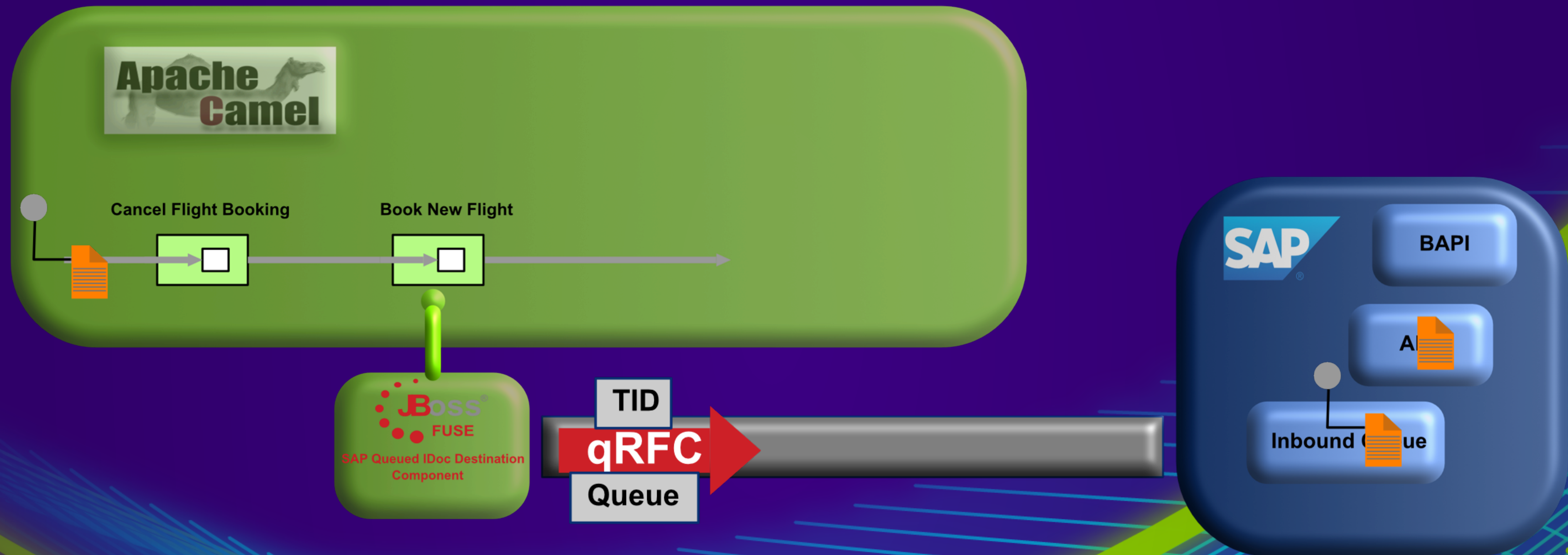
SAP IDoc Destination Component

Sending a List of IDocs to SAP



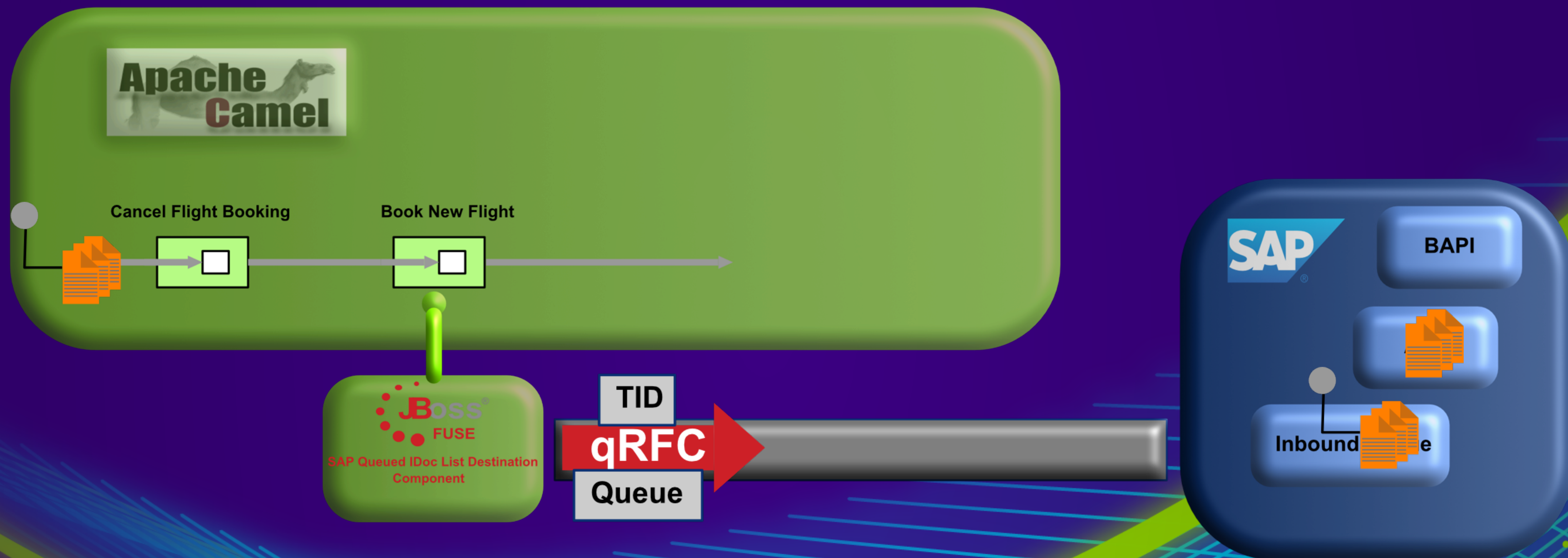
SAP IDoc List Destination Component

Sending a Series of IDocs to SAP



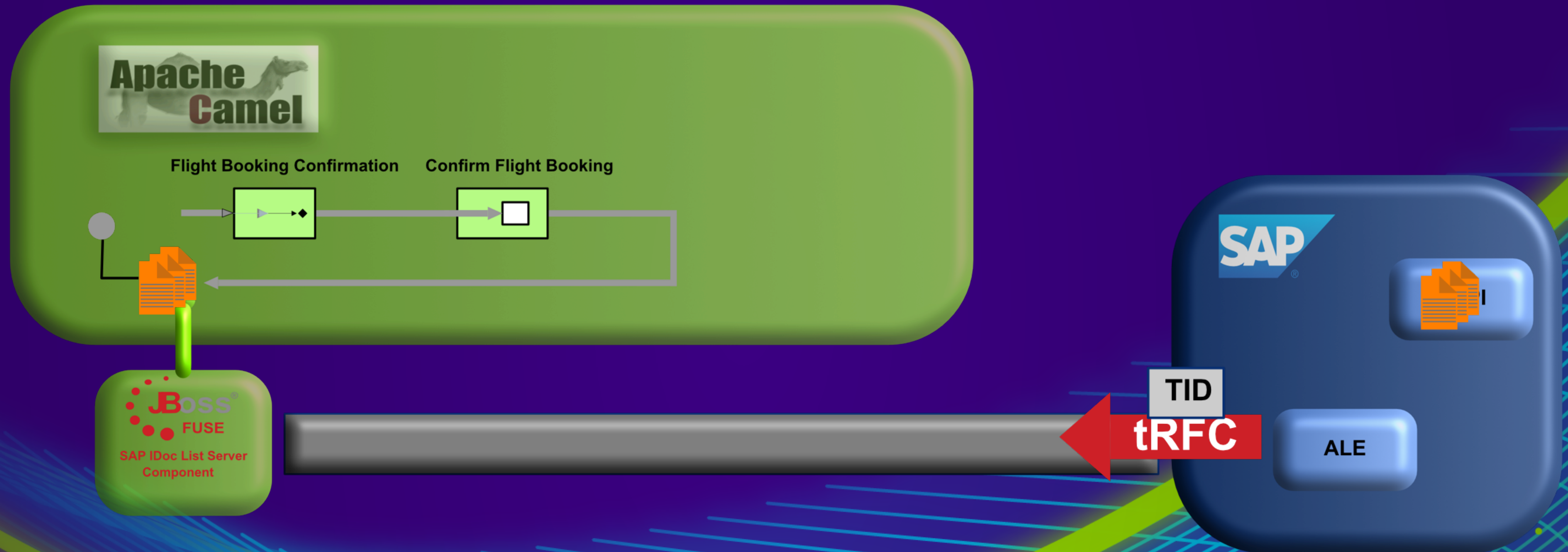
SAP Queued IDoc Destination Component

Sending a Series of IDocs Lists to SAP



SAP Queued IDoc List Destination Component

Receiving an IDoc from SAP



SAP IDoc List Server Component

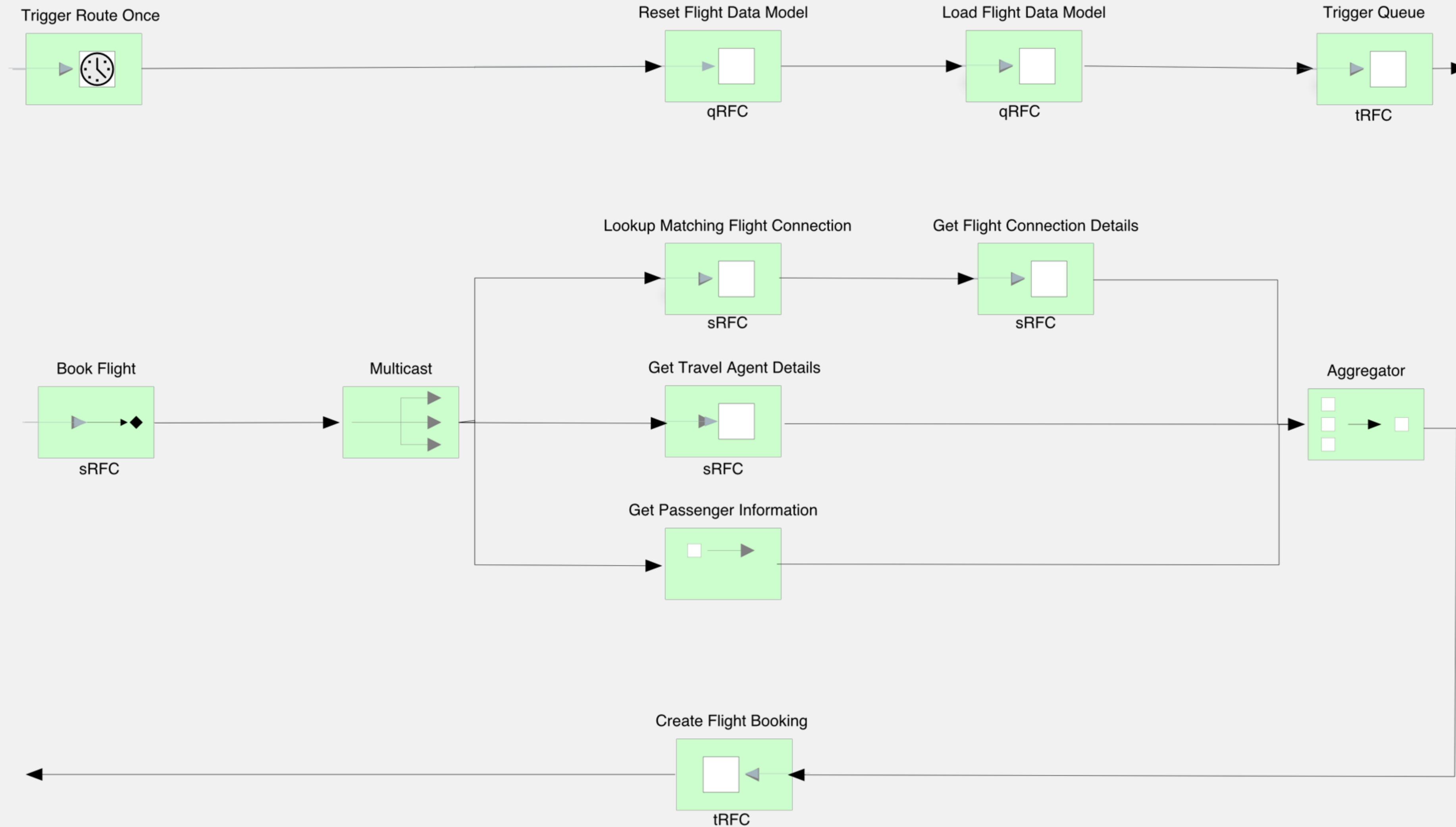
Receiving a Series of IDocs from SAP



SAP IDoc List Server Component

Flight Booking Demo

Flight Booking Routes



Summary

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

Resources_{so}

- ◇ Flight Booking Demo - <https://github.com/punkhorn/flight-booking-demo>
- ◇ SAP Quick Starts - <https://github.com/punkhorn/sap-quickstarts>

Questions?

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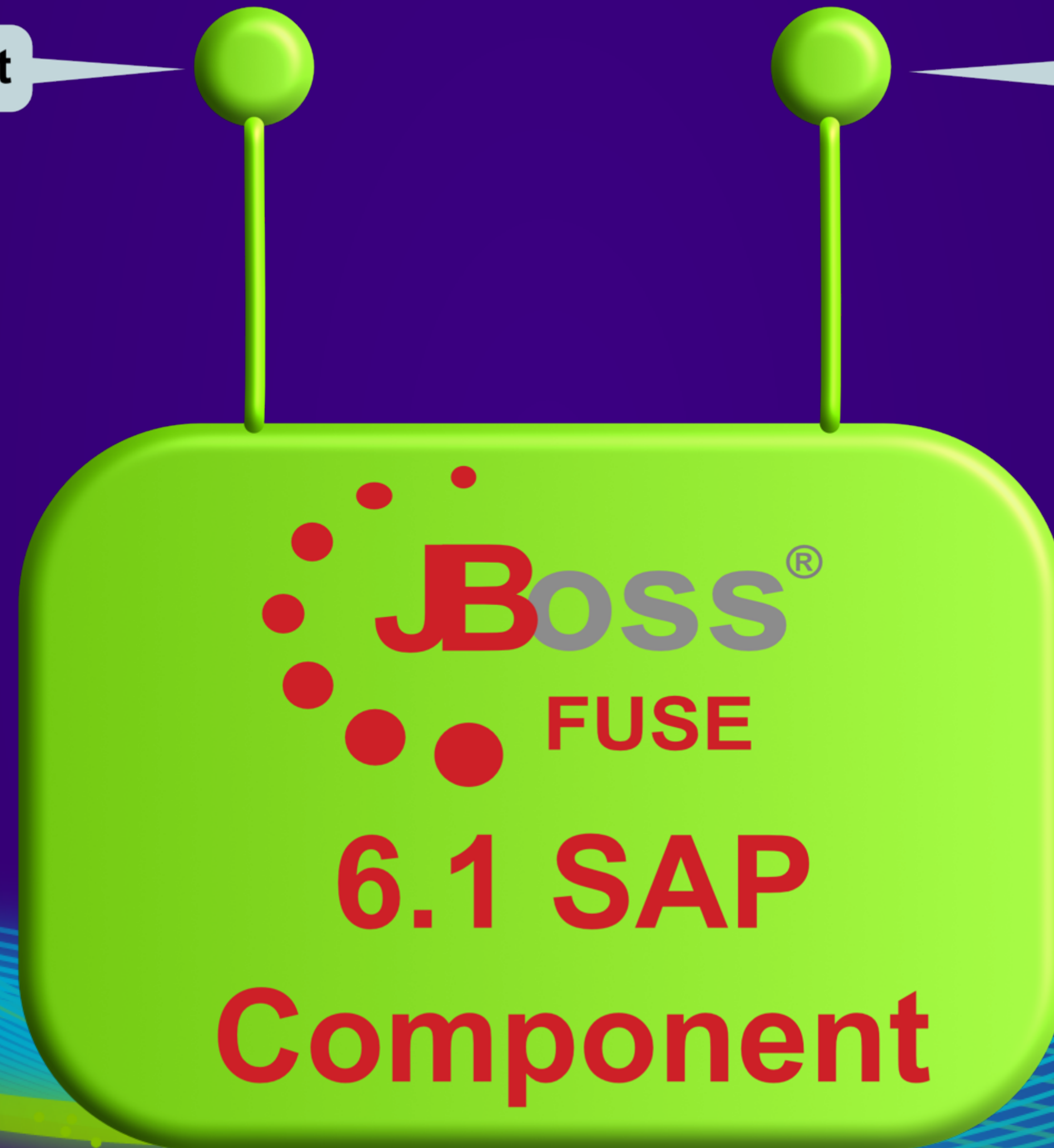
**LEARN. NETWORK.
EXPERIENCE OPEN SOURCE.**

Backup Slides

Enhancements in the SAP Integration Solution

Destination Endpoint

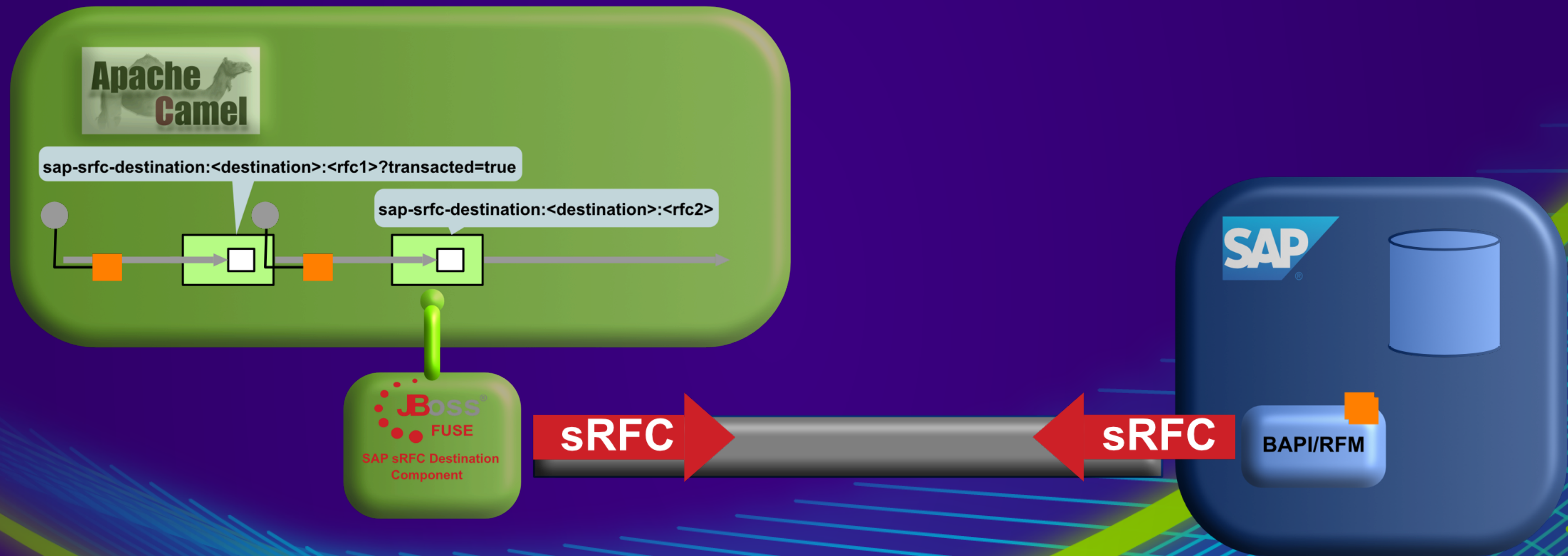
Server Endpoint



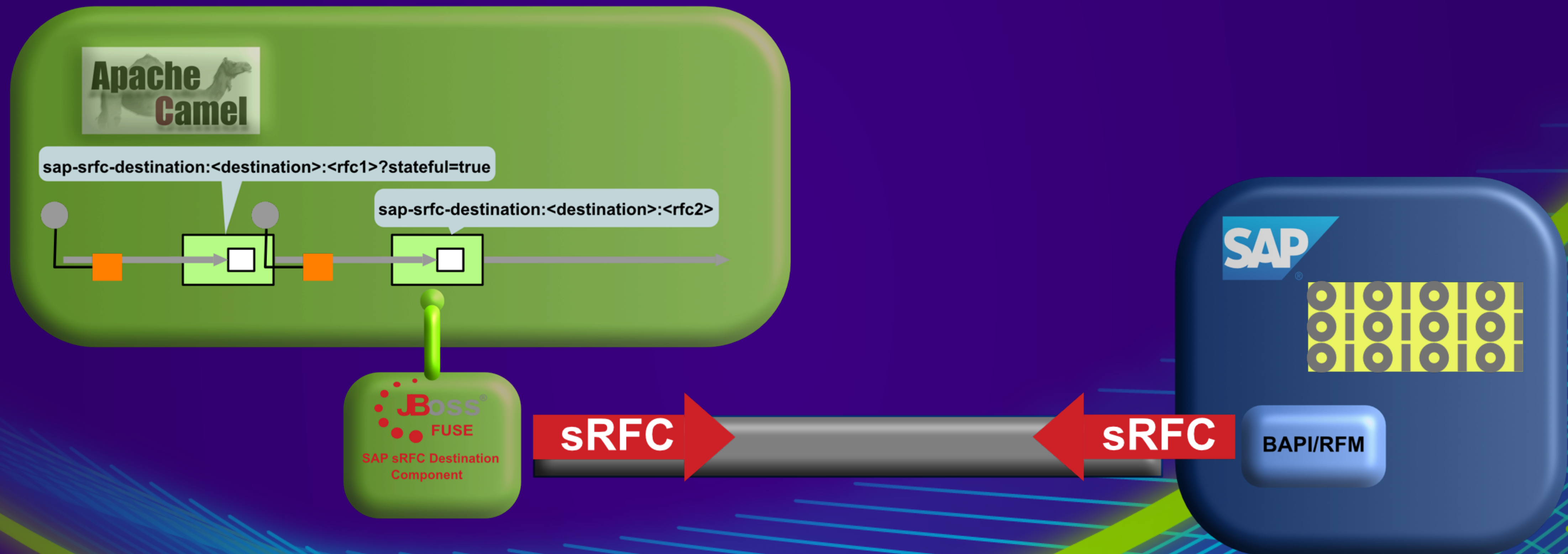
Enhancements in the SAP Integration Solution



SAP Transaction Support



SAP Stateful Session Support

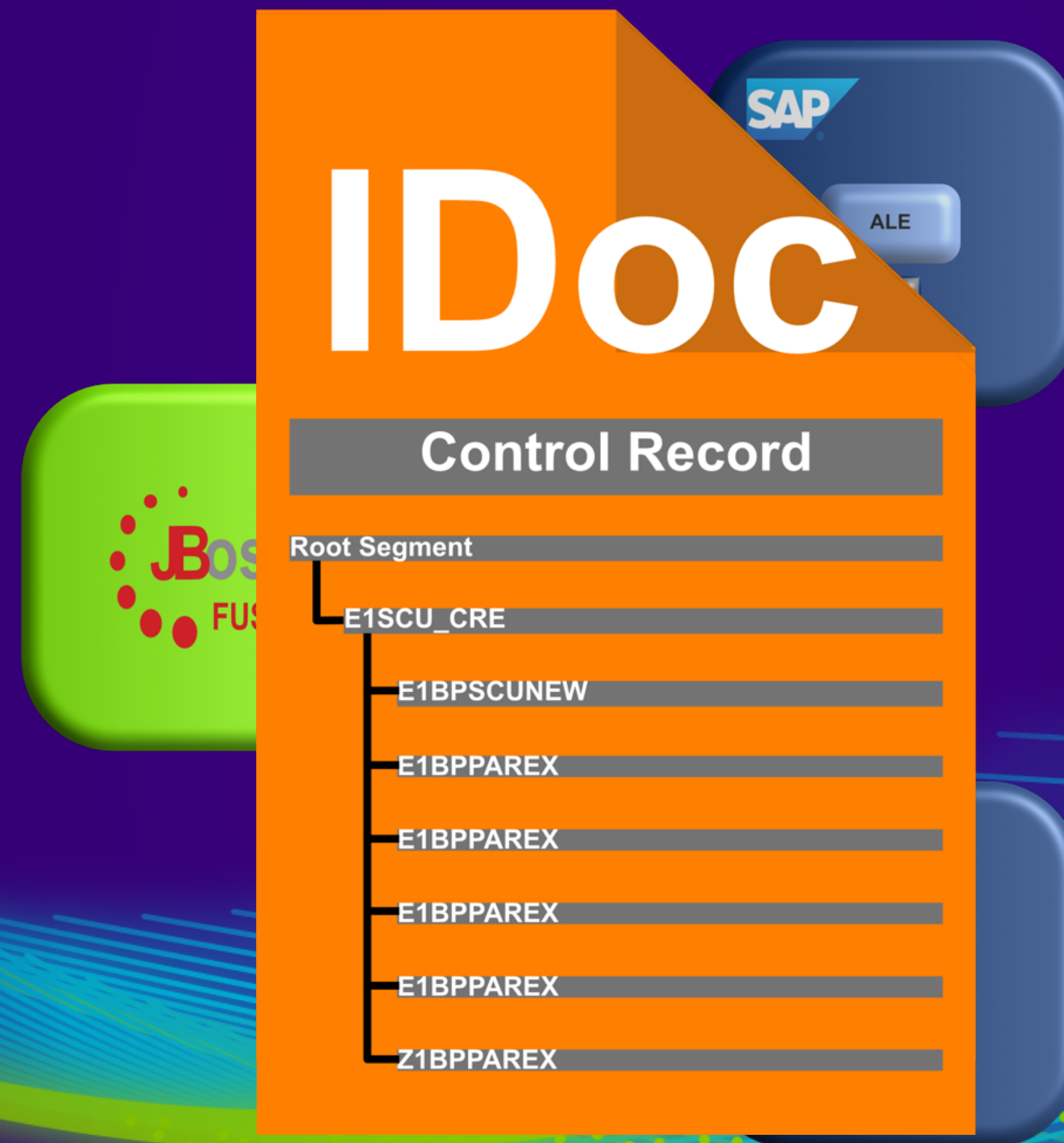


SAP RFC Message Format

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NUM_PARAM	"12345678"																													
INT_PARAM	12345678																													
FLOAT_PARAM	3.14E38																													
BCD_PARAM	100.00000000000001																													
BINARY_PARAM	0xCAFEBABE																													
DATE_PARAM	19691029																													
TIME_PARAM	223000																													
STRING_PARAM	"Do you see the L?"																													
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	"UVWXYZ"	"98765432"																												
	"LMNOPQ"	"666999913"	666999913																											

Response

SAP IDoc Message Format



IDoc Type
IDoc Type Extension
System Release
Application Release