

Samsonite runs SAP AFS 5.0 and XI 3.0 with Document Tracking Tool



Patrick Dekeyser, IT Project Manager Samsonite
Kris Rooms, Team Leader Innovations
12/6/2008



Agenda



1. Samsonite

- 1.1. Samsonite Brands
- 1.2. Samsonite SAP AFS implementation

2. Samsonite Europe

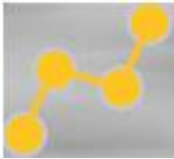
- 2.1. Samsonite Europe Interfaces
- 2.2. Middleware

3. XI 3.0

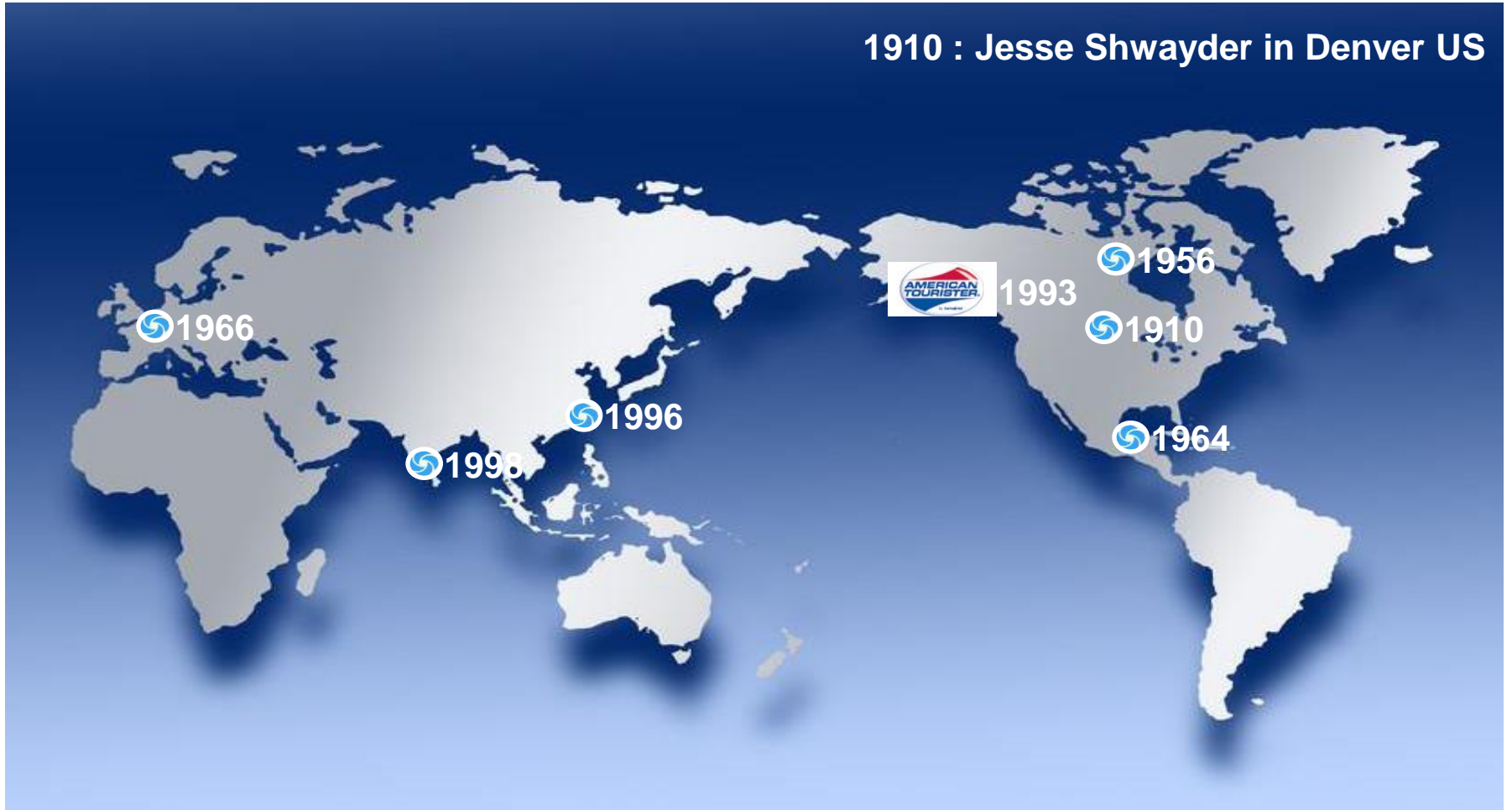
4. Document Tracking Tool

5. Lessons learned





1910 : Jesse Shwayder in Denver US





Samsonite Brands



Samsonite



Timberland



Samsonite
OUTLAB

Sammy's LACOSTE 

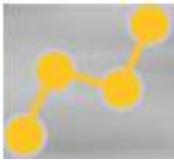


Samsonite
BLACK LABEL



LAMBERTSON
L T R U E X

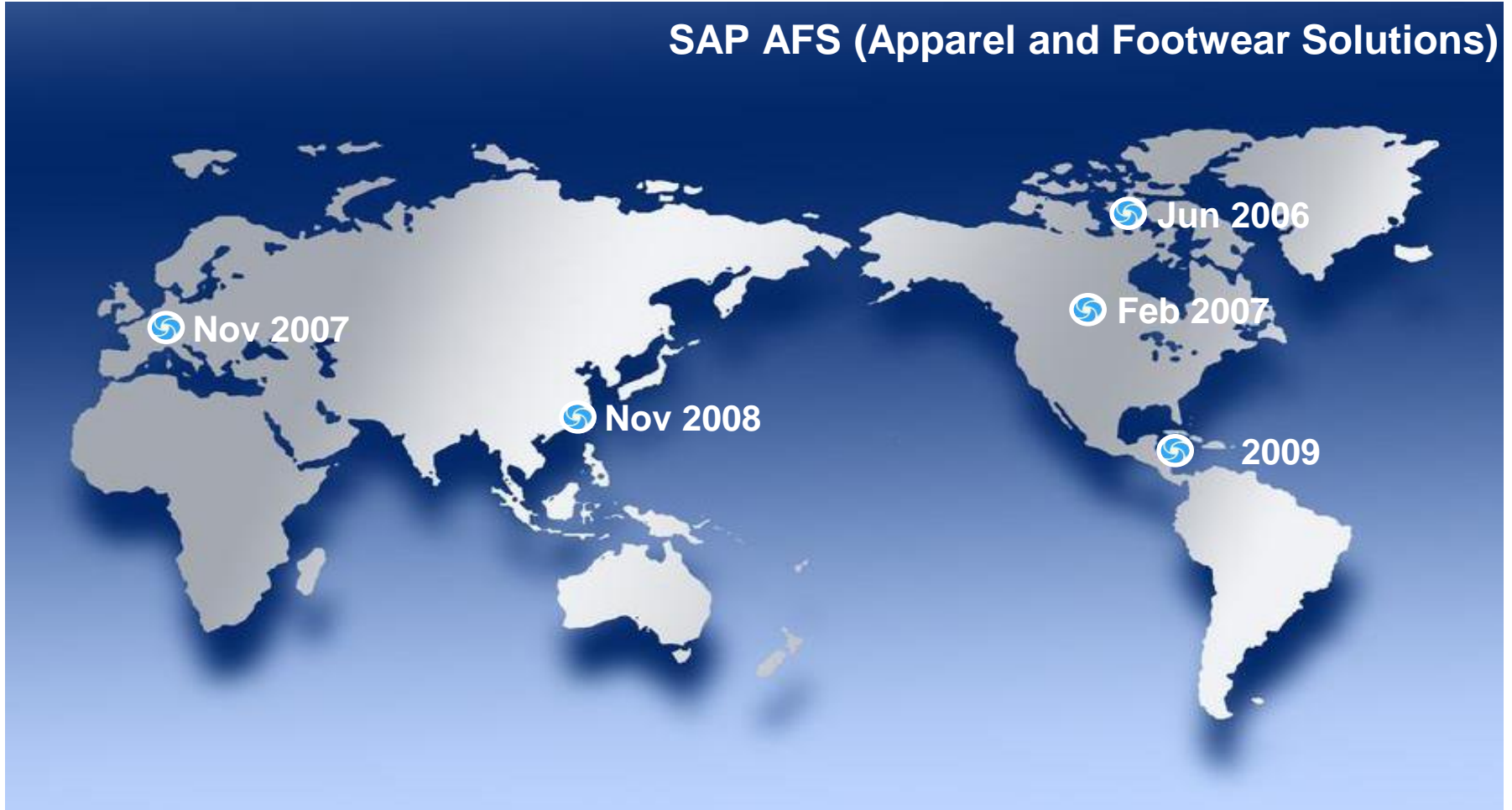


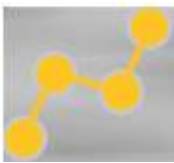


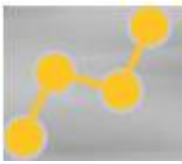
Samsonite SAP Implementation



SAP AFS (Apparel and Footwear Solutions)







Blue print

- 80 interfaces
- Mainly asynchronous, some synchronous

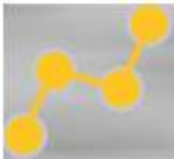
Potentially reuse some interfaces for data take-over

- Open sales orders
- Open purchase orders
- Pricing

Implementation

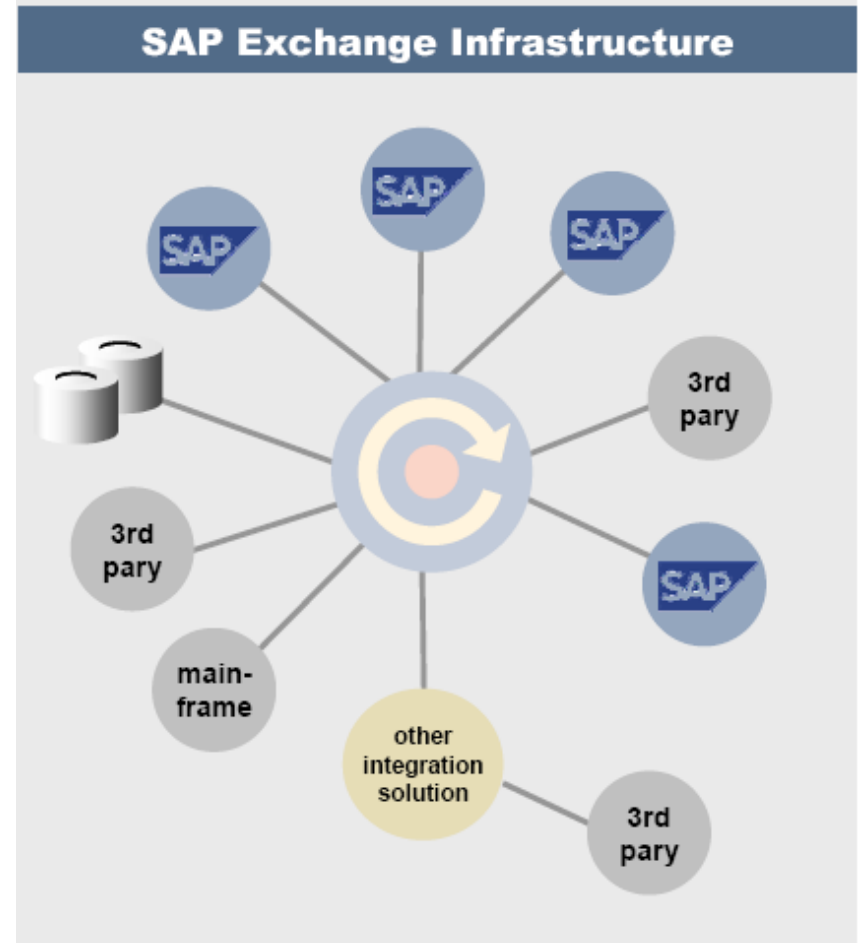
- 24 interfaces, with several scenarios
 - Stock movements
 - FI postings
 - Sales order
 - ...



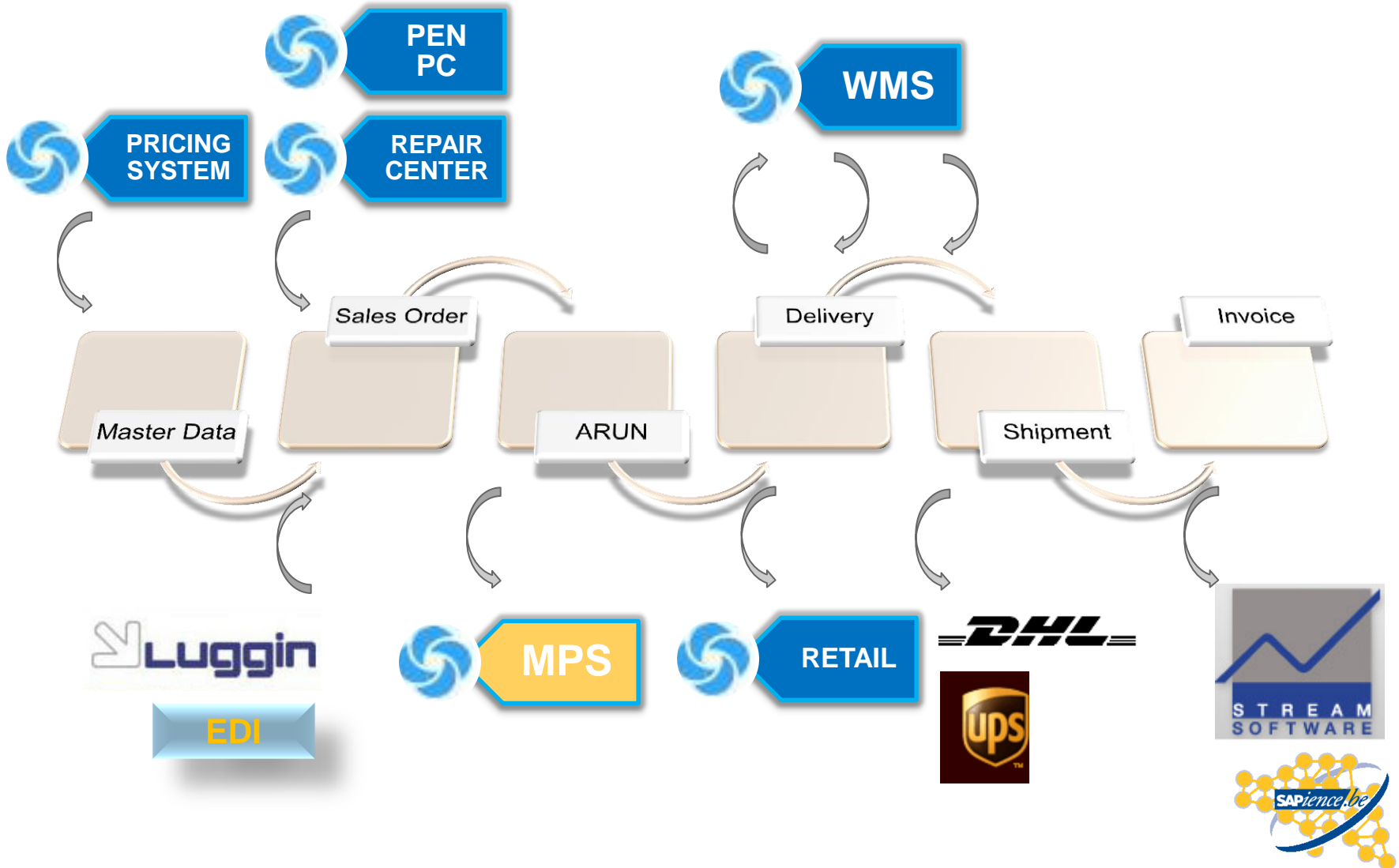


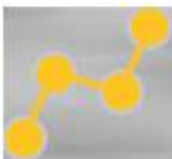
- Easy and Fast development
- Processing
 - Synchronous
 - Asynchronous
 - large volume
- Connectivity (Oracle, Baan, File, Mail ...)
- World Wide Support

- Monitoring
- Data persistency
- Error handling and Recovery
- AFS compatible
 - Idoc types
 - /AFS/ORDERS02

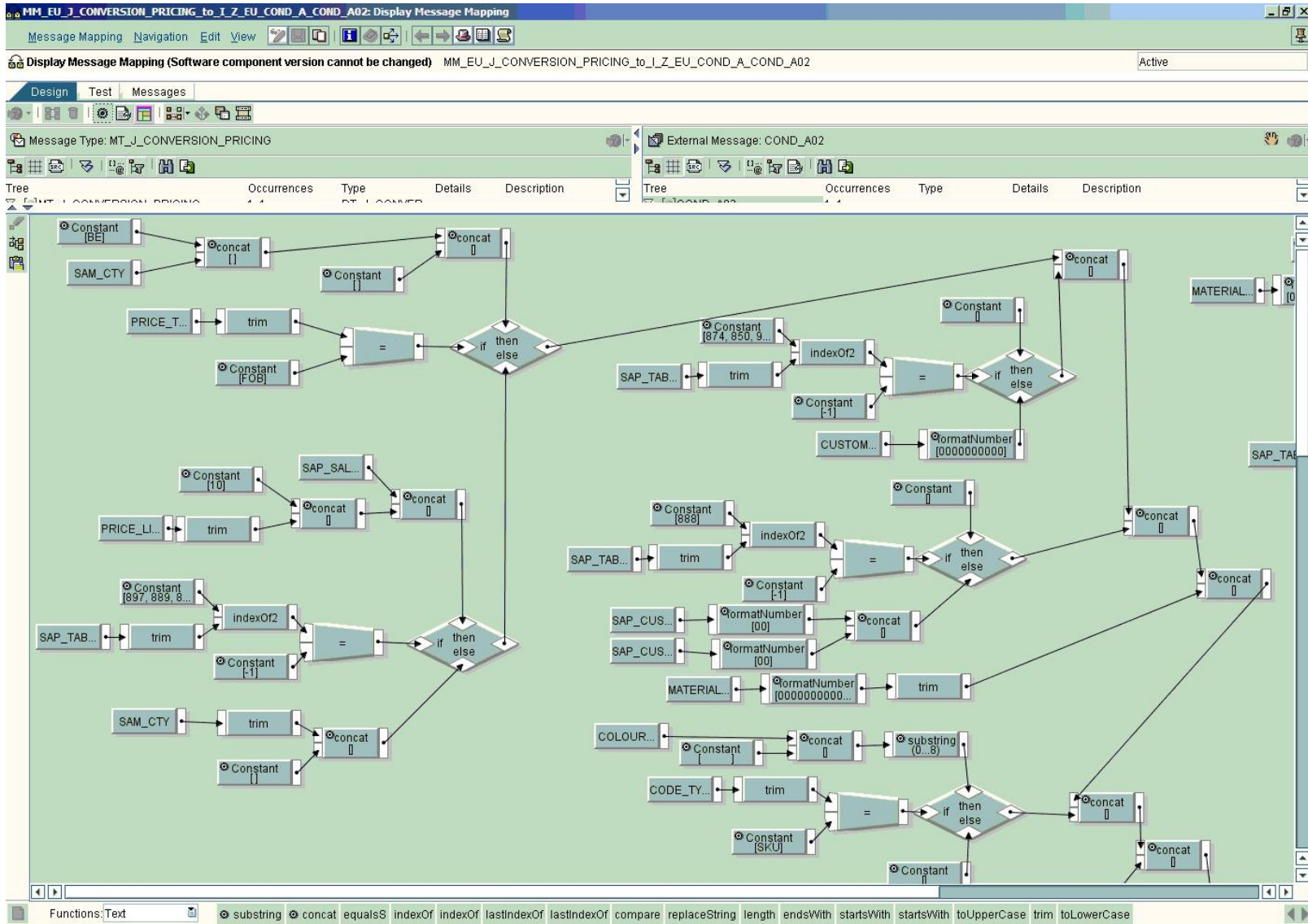


Samsonite SD Interfaces

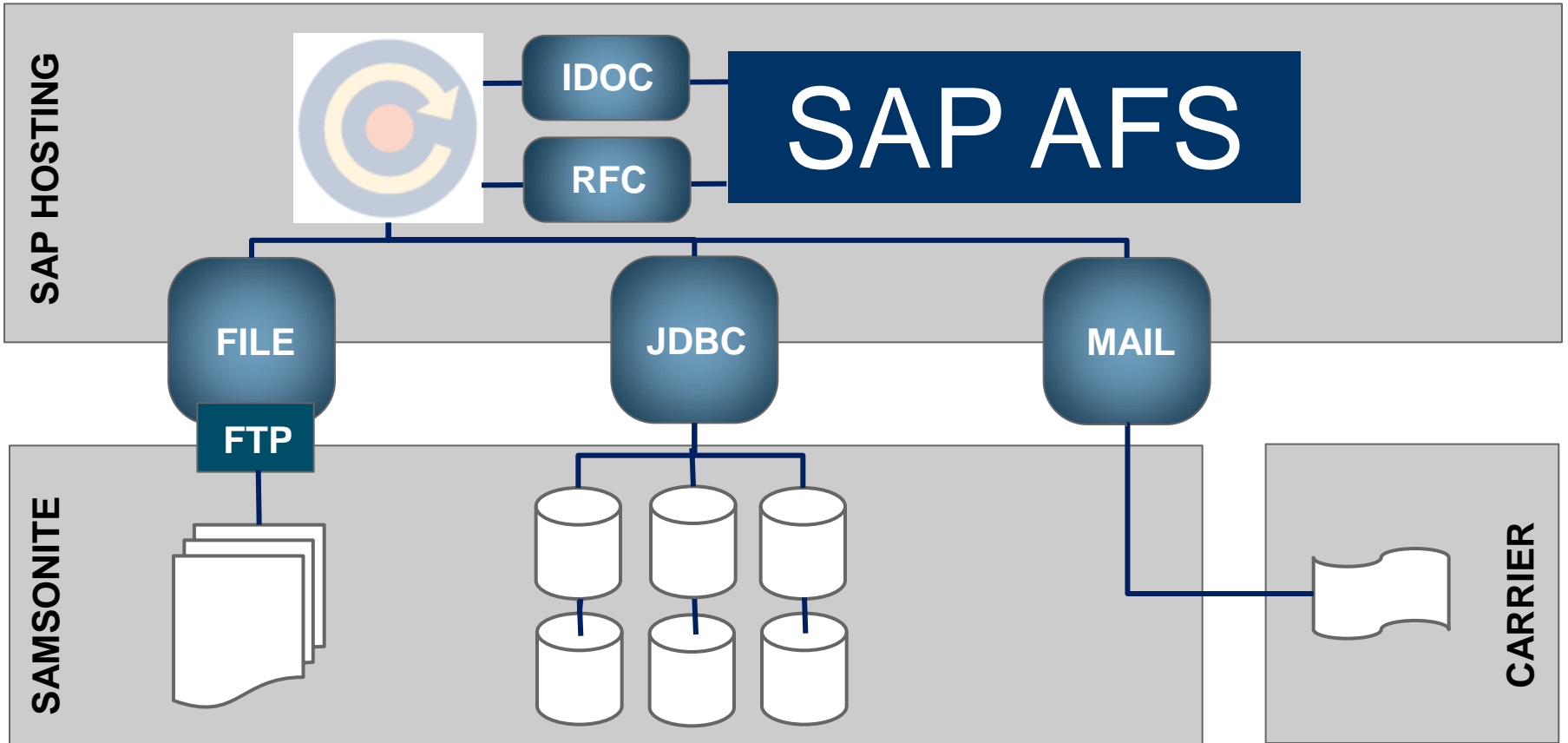


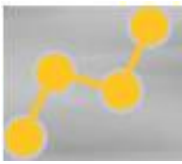


XI Mapping



XI Adapters





During mapping

- Retrieve additional data
 - Legacy material

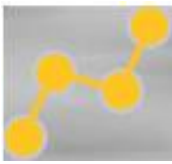
Hardware

- Hosted at SAP, 32-bit
- DEV : 2 dual core, 8 GB RAM
- PROD : Cluster of 2 machines : 2 times (2 dual core, 8 GB RAM)

Volumes

- Asynchronous
 - Average : messages 12000-15000 / day
 - Top days : > 100.000 messages / day
- Synchronous
 - Average : 550 messages / day
 - Top days : 1400 messages / day





High Volume

- Prioritize via queues (XI)
- Lock table overflow (SAP)

Monitoring XI 3.0

- Standard XI
 - Message Based
 - Technical
 - Check on different places
 - SXMB_MONI
 - Adapter monitoring
 - Due to complex mappings to many lines In overview

Monitoring by Business

- Tracking by SAP document
- Easy and fast monitoring
- End-to-End



Document Tracking Tool



Input Parameters

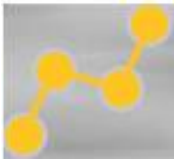
From	To	Interface Name Filter	Status Selection
Current Date 5/22/2008	Current Date 5/23/2008	Name <u>PLDA</u> Filter	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
IDoc number: 0000000000000000			
Doc Nr1: <input type="text"/>			
Doc Nr2: <input type="text"/>			
Doc Nr3: <input type="text"/>			
Doc Nr4: <input type="text"/>			
<input type="button" value="Search"/>			

Msg ID	Flag	Status	Message ID2	Interface Name	Info	Creation Date	Creation Time	Date Changed	Time Changed	Idoc Nr	Ref Idoc	Docnr 1	Docnr 2	Docnr 3	Docnr 4	Adapter In	Adapter Out
▶ BEEC9A567E9C48498C2C9741396E19B6		99	0	PLDA_IMPORT	writing to FTP BACKUP	5/23/2008	1:27:28 PM	5/23/2008	1:27:29 PM	000000006348340	0000000000000000	5105620110				IDOC	FTP
▶ 10CA63C18FB38A47A52F1746B696C5CA		99	0	PLDA_IMPORT	writing to FTP	5/23/2008	1:27:28 PM	5/23/2008	1:27:29 PM	000000006348340	0000000000000000	5105620110				IDOC	FTP
▶ B395664F3B423345939297AAEEBAE24		99	0	PLDA_IMPORT	writing to FTP BACKUP	5/23/2008	1:17:41 PM	5/23/2008	1:17:41 PM	000000006367025	0000000000000000	5105621345				IDOC	FTP
▶ 75526BDA531FDA409D30F259DE469FD4		99	0	PLDA_IMPORT	writing to FTP	5/23/2008	1:17:41 PM	5/23/2008	1:17:41 PM	000000006367025	0000000000000000	5105621345				IDOC	FTP
▶ CF86D83D387EBF47A8586096B613B7C2		99	0	PLDA_IMPORT	writing to FTP	5/23/2008	1:05:35 PM	5/23/2008	1:05:35 PM	000000006366966	0000000000000000	5105621344				IDOC	FTP
▶ E4669901387A1A4386B5F05C6078D2F8		99	0	PLDA_IMPORT	writing to FTP BACKUP	5/23/2008	1:05:35 PM	5/23/2008	1:05:35 PM	000000006366966	0000000000000000	5105621344				IDOC	FTP
▶ 12C7645F0B331E42AC3BFD634C4C46B8		99	0	PLDA_IMPORT	writing to FTP BACKUP	5/23/2008	12:49:43 PM	5/23/2008	12:49:43 PM	000000006364816	0000000000000000	5105620109				IDOC	FTP
▶ 1D6315A0E2A41F41907580CA98A18520		99	0	PLDA_IMPORT	writing to FTP	5/23/2008	12:49:43 PM	5/23/2008	12:49:43 PM	000000006364816	0000000000000000	5105620109				IDOC	FTP
▶ D6097897F1585D4DA558E53C2E0482B		99	0	PLDA_IMPORT	writing to FTP	5/23/2008	12:33:58 PM	5/23/2008	12:33:58 PM	000000006364592	0000000000000000	5105623022				IDOC	FTP
▶ 117C791F6D2A7842A712BEFC6505828D		99	0	PLDA_IMPORT	writing to FTP BACKUP	5/23/2008	12:33:58 PM	5/23/2008	12:33:58 PM	000000006364592	0000000000000000	5105623022				IDOC	FTP
▶ CEC2A.A654E6C454DA3E63965789CD309		99	0	PLDA_EXPORT	writing to FTP BACKUP	5/23/2008	11:42:36 AM	5/23/2008	11:42:37 AM	000000006366623	0000000000000000	80579705				IDOC	FTP
▶ 21BAA41FDA1A9B44831DF2CE41BD536A		99	0	PLDA_EXPORT	writing to FTP	5/23/2008	11:42:36 AM	5/23/2008	11:42:37 AM	000000006366623	0000000000000000	80579705				IDOC	FTP
▶ 729E52E94C80E42B43DA2ADEB2FAED6		99	0	PLDA_IMPORT	writing to FTP BACKUP	5/23/2008	11:37:20 AM	5/23/2008	11:37:21 AM	000000006348326	0000000000000000	5105622127				IDOC	FTP
▶ A62FCA1652C49A4E912CE7B64C6C1386		99	0	PLDA_IMPORT	writing to FTP	5/23/2008	11:37:20 AM	5/23/2008	11:37:21 AM	000000006348326	0000000000000000	5105622127				IDOC	FTP
▶ F7CA417C4C5A0C428D11700DFDC8DE8D		99	0	PLDA_EXPORT	writing to FTP BACKUP	5/23/2008	11:30:33 AM	5/23/2008	11:30:33 AM	000000006364426	0000000000000000	80579703				IDOC	FTP
▶ 8B26E3B59B8E94489B4B1C097BA2F94A		99	0	PLDA_EXPORT	writing to FTP	5/23/2008	11:30:33 AM	5/23/2008	11:30:33 AM	000000006364426	0000000000000000	80579703				IDOC	FTP
▶ 4B600B5C9C38864C9F8DE5CA3EEAF6E1		99	0	PLDA_EXPORT	writing to FTP	5/23/2008	11:28:18 AM	5/23/2008	11:28:19 AM	000000006366593	0000000000000000	80579702				IDOC	FTP
▶ 16727E87350F4D4580861376A83E0E64		99	0	PLDA_EXPORT	writing to FTP BACKUP	5/23/2008	11:28:18 AM	5/23/2008	11:28:19 AM	000000006366593	0000000000000000	80579702				IDOC	FTP
▶ 0AF68B22895A304DA211DC0798BC995A		99	0	PLDA_EXPORT	writing to FTP BACKUP	5/23/2008	10:36:04 AM	5/23/2008	10:36:04 AM	000000006348317	0000000000000000	80579695				IDOC	FTP
▶ AA9C8056EDE90C4882878E9C790349B6		99	0	PLDA_EXPORT	writing to FTP	5/23/2008	10:36:04 AM	5/23/2008	10:36:04 AM	000000006348317	0000000000000000	80579695				IDOC	FTP
▶ F1CEAEA22443534A870069AF8767B840		99	0	PLDA_IMPORT	writing to FTP	5/23/2008	10:28:01 AM	5/23/2008	10:28:02 AM	000000006366308	0000000000000000	5105621769				IDOC	FTP
▶ A4087A4DF967954991463FAD58394742		99	0	PLDA_IMPORT	writing to FTP BACKUP	5/23/2008	10:28:01 AM	5/23/2008	10:28:02 AM	000000006366308	0000000000000000	5105621769				IDOC	FTP
▶ 34B71950E1F6BB439EF39BCB986E76AC		99	0	PLDA_IMPORT	writing to FTP	5/23/2008	10:13:13 AM	5/23/2008	10:13:13 AM	000000006348315	0000000000000000	5105620985				IDOC	FTP
▶ 8B465551A520AB4C97CE35AACBDEA622		99	0	PLDA_IMPORT	writing to FTP BACKUP	5/23/2008	10:13:13 AM	5/23/2008	10:13:13 AM	000000006348315	0000000000000000	5105620985				IDOC	FTP
▶ D5737726D2C7AB4CA7025F5CC7CE11C3		99	0	PLDA_IMPORT	writing to FTP	5/23/2008	10:00:04 AM	5/23/2008	10:00:05 AM	000000006366123	0000000000000000	5105621542				IDOC	FTP

Row 1 of 444

Update Flag





Document Tracking Tool



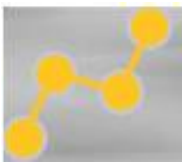
Input Parameters

From	To	Interface Name Filter	Status Selection
Current Date: 5/22/2008	Current Date: 5/23/2008	Name: PLDA	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
IDoc number	0000000000000000		
Doc Nr1			
Doc Nr2			
Doc Nr3			
Doc Nr4			
<input type="button" value="Search"/>			

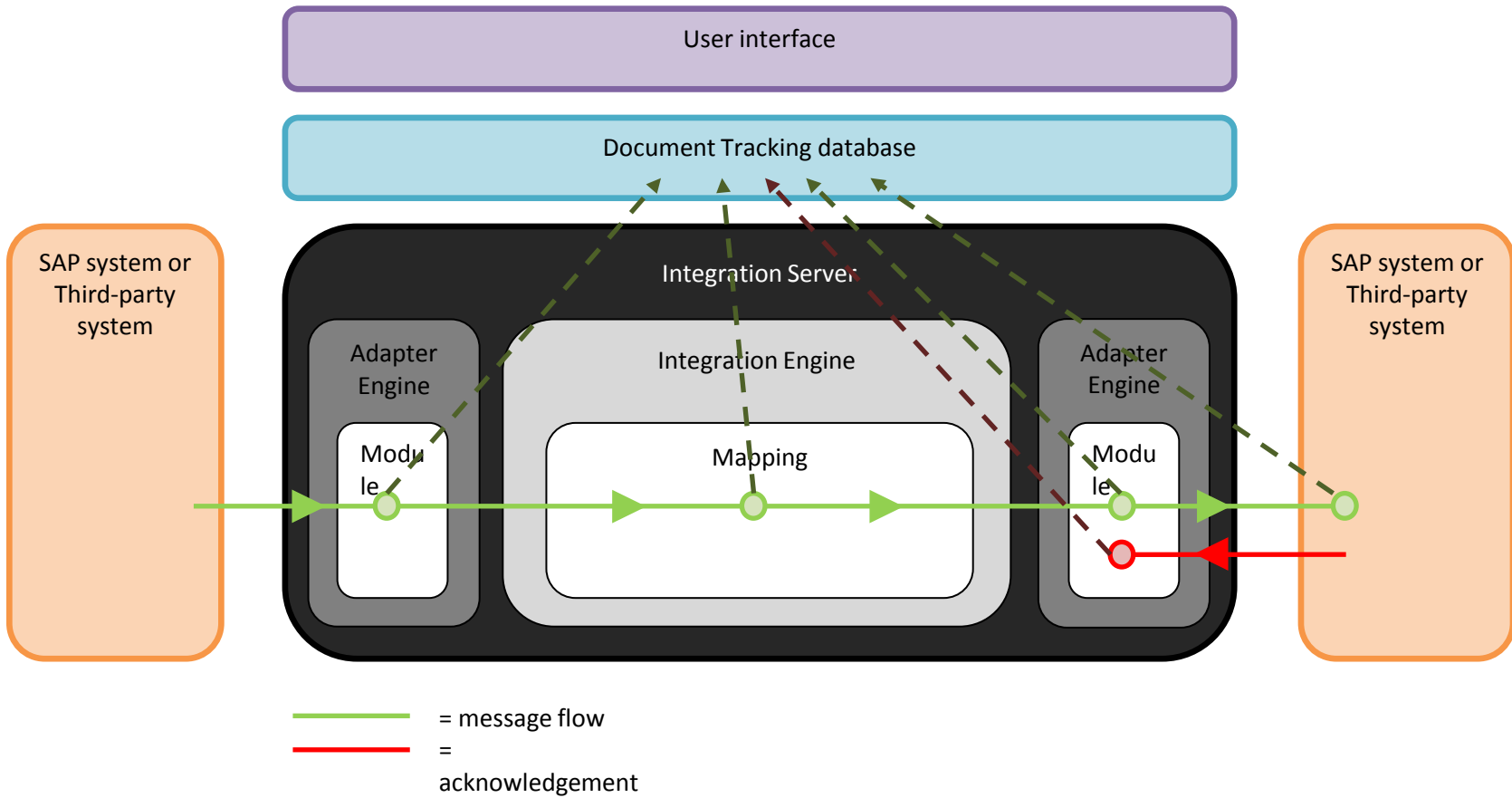
Msg ID	Flag	Status	Message ID2	Interface Name	Info
▼ BEEC9A567E9C48498C2C9741396E19B6		99	0	PLDA_IMPORT	writing to FTP BACKUP
▪ Message successfully received by messaging system. Profile: XI URL: http://hgsam3xi:50000/MessagingSystem/receive/AFWXI Credential (User): XIISUSER					
▪ Using connection File_http://sap.com/xi/XI/System. Trying to put the message into the receive queue.					
▪ Message successfully put into the queue.					
▪ The message was successfully retrieved from the receive queue.					
▪ The message status set to DLNG.					
▪ Delivering to channel: CC_PLDA_BACKUP_FTP_RECEIVER					
▪ MP: Entering module processor					
▪ MP: Processing local module localejbs/UpdateMonitor					
▪ * Update Monitor * - Start module					
▪ * Update Monitor * - Server detected : XP0					
▪ * Update Monitor * - Msg ID: BEEC9A567E9C48498C2C9741396E19B6					
▪ * Update Monitor * - Ref ID: BEEC9A567E9C48498C2C9741396E19B6					
▪ * Update Monitor * - End module					
▪ MP: Processing local module localejbs/CallSapAdapter					
▪ File adapter receiver: processing started; QoS required: ExactlyOnce					
▪ File adapter receiver channel CC_PLDA_BACKUP_FTP_RECEIVER: start processing: party " ", service "BS_FTP_BACKUP"					
▪ Connecting to FTP server "10.90.4.21"					
▪ Write to FTP server "10.90.4.21", directory "/StreamSoft/BACKUP/", -> file "PLDA_import_5105620110____20080523-132729-415"					
▪ Transfer: "BIN" mode, size 4119 bytes, character encoding -					
▪ MP: Leaving module processor					
▪ The message was successfully delivered to the application using connection File_http://sap.com/xi/XI/System.					
▪ The message status set to DLVD.					
▪ File processing complete					
▶ 10CA63C18FB38A47A52F174B6696C5CA		99	0	PLDA_IMPORT	writing to FTP

Row 1 of 467





Document Tracking Tool





XI is a stable platform

Skills needed

- Idoc / Bapi
- Java

Support is available

- External resource available
- SDN

Naming conventions

- Organizing developments
- Monitoring

Monitoring

- Ok, but message based
- Time-consuming

Document Tracking Tool

- Document Nb based
- Fast
- End-to-End
- End-user Friendly

Input Parameters			
From	To	Interface Name Filter	Status Selection
Current Date 5/22/2008	Current Date 5/23/2008	Name: FLDA	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
IDoc number	000000000000000000		
Doc Nr1			
Doc Nr2			
Doc Nr3			
Doc Nr4			
<input type="button" value="Search"/>			



Thank you!

