ALE Implementation (step-by-step guide) ALE CONFIGURATION:

SALE

- · Define Logical System
- · Assign Client to Logical System
- · Define Target Systems for RFC Calls
- · Maintain Distribution Model and Distribute Views
- · Maintain Partner Profile Manually
- · Generate Partner Profiles
- · Check Technical Consistency
- · Master Data Distribution

IDOC ADMINISTRATION WE05 - IDoc Lists WE02 - Display IDoc

DISPLAY STATUS

- WE20 Partner Profile
- WE21 Port Definition
- SM59 RFC Destination BD71 - Distribute Model

DEVELOPMENT

- WE31 IDoc Segments
- WE30 IDoc Types
- WE81 Message Types
- WE82 IDoc Type / Message
- WE57 Message/Application Object
- WE34 IDoc Styles
- WE32 IDoc Views

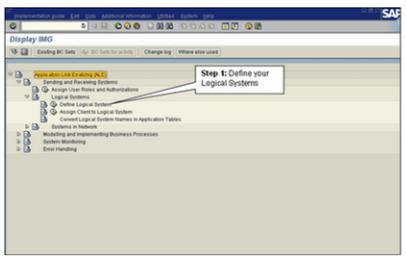
CONTROL:

- WE41 Outbound Process Code
- WE42 Inbound Process Code
- WE43 Display Status Record
- WE64 Process Codes

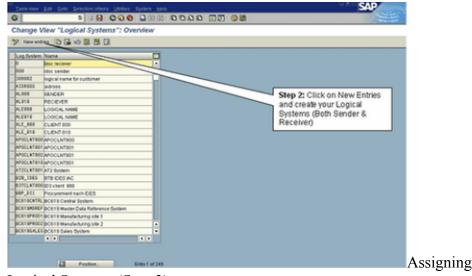
Outbound & inbound operations BD10 Send Material BD11 Get Material BD12 Send customer BD13 Get customer BD16 Send Cost Center BD17 Get Cost Center BD18 Send General Ledger Account BD19 Get General Ledger Account

Step-by-step guide with screenshots:

Tcode: SALE (ALE Implementation Guide) Adding your Logical Systems (Step 1)



Creating your Logical Systems (Step 2)

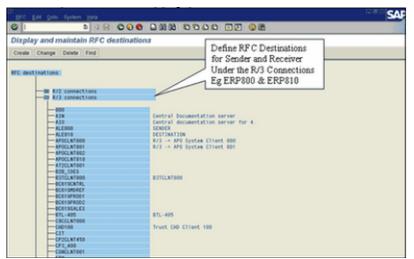


Logical Systems (Step 3)

Assigning Clients to

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Display IMG				
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	g BC Ben Gp: BC Sets for active ten Unix Exacting (NUE) fing and Receiving Systems assign User Rotes and Authorizatio opcing drystems D offer Logical System Connect	in Application Tables	Step 3:	Assign Clients to Systems
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Change Wew The entropy The entropy The entropy Change and transp Changes and transp Chang	Collects Tr Details So S	Last charged by Date	SAPUSER	Enter your Logical System in the Logical System field. Eg ERP800 for Client 800 (Sender) Repeat the same for ERP810
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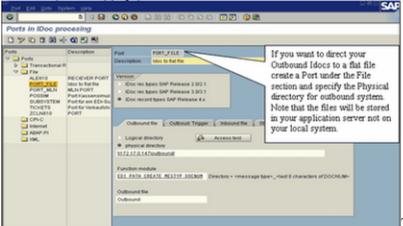
Tcode: SM59 (Define RFC Destination) (Step 4)



Tcode: WE20 (Define Partner Profiles) (Step5)

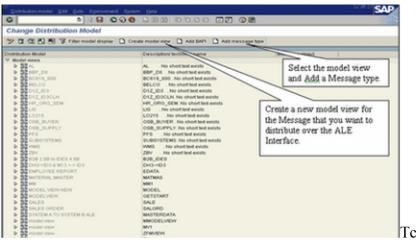
Patrer	Description	Pate sumber	CRPS10	CLENT B10		Create two partner
Padear profiles Padear profiles Padear type 8 ALEN0 ALEN0 ALEN0 ALEN0 B07CLNTIB0 B07CLNTIB0 B07CLNTIB0 CU4CLNTIB0	Customer Vendor Logical system LOOICAL NAME LOOICAL NAME	Participe Postproce Tro Agent Lang	US SAPUSER Di	Copical System of agent Class Of User Sag user English	deation (i.	 systems under the section Partner Type LS and add outbound and inbound parameters for partner system
D12CL/11800 D12_800 ERPP00 EXCLUTINO EXCLUTINO EXCLUTINO EXCLUTINO EXCLUTINO EXCLUTINO EXCLUTINO EXCLUTINO EXCLUTINO EXCLUTINO EXCLUTINO EXCLUTINO	CLIENT 800 CLIENT 819 IO3 client 800 IO3 client 800 LO0ICAL SYST LO0ICAL NMM MT3 Client 800	Cultourid part	Message tope oncerss oncersp princes 22MPWD0	Wessage va.	Messagef u .	
MB00 MB10 NEWCUNT200 P13CUNT800 P13_D_M P10_D_T	sender receiver D46 Client 800 P13 Client 800 Logical Dystem	Partn funct	Message type ORCERS	Message va.	Messagef u .	

Tcode: WE21 (Define Ports) (Step 6)



Tcode: BD64 (Define and

Change Distribution Model) (Step 7)

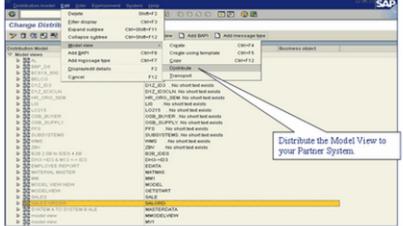


Tcode: BD82 (Generate

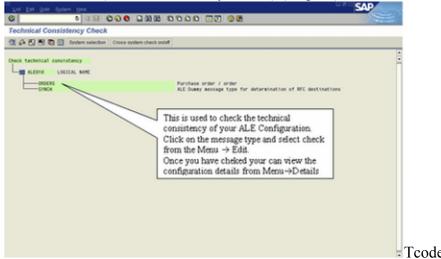
Partner Profiles) (Step 8)

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Generating partne	er profile	
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Model view Partner system	EALING III O	•
Default parameters for party		Enter the Model View and
Postprocessing Authority Type 10	US User SAPUSER sap user	your Partner system to Generate Partner Profiles
Outbound parmits.		
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Collect Docs and Inbound parmitrs. Processing Trigger immedial		
Tripper by backgr		

Tcode: BD64 (Distribute Model View) (Step 9)



Tcode: BDM5 (Check consistency details) (Step 10)



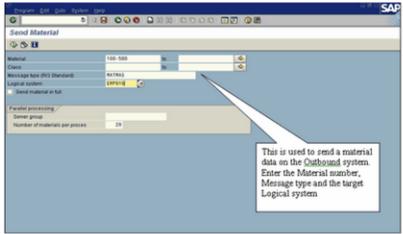
Tcode: BDM5 (Check

consistency details)

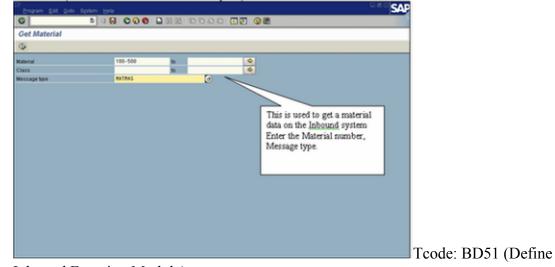
Lot En don skonn Solo		
Consistency check		
01.00		
Checks for Sending logical system	ALE000	
Receiving logical system	ALE810 080ER5	
Message type	QROEX3	
Checks in own system ALEBOD		
Message type	Ressage type DRDERS is defined	
Segment filtering	No segment filtering	
Conversions	No conversion	
Partner profile	Partner profile has been created Pert AB0000047 Dispatch mode: Transfer IDoc immediately Bissich mode: Transfer IDoc immediately Balls type OBCKS05 Balls type OBCKS05 Balls type OBCKS05	
Part	Port AD0000047: DESIENTION Port type: framactional BFC port version 3: Doc record types from Version 4.8 onwards Logical address (destinution) XLESI8	
Logical address (destination)	Logical address (destination) ALEBID is defined	
Checks in partner system ALEBID		
Check of own logical system	Own logical system is ALEDID Logical system is the same as the target address	
Message type	Ressage type DRDERS is defined	

Tcode: BD10 (Send

material master on the Outbound system) (Step 11)



Tcode: BD11 (Get the Material Master on the Inbound system)



Inbound Function Module)

Function module (inbound)	Inputt	Chalog allowed			
REPORTATION ALC: IN	(3)	0	•		
MCE_STATISTICS_ALE_IN		0	•		
MCS_EXTERNAL_DATA_GLODAL_ENTRY					
MCV_STATISTICS_ALE_IN_DELIVERY	0				
MCV_STATISTICS_ALE_IN_INVOICE		0			
MCW_STATISTICS_ALE_IN_ORDER					
REAP_IDOC_DISPATCHER	1	8			
50_100C_INPUT_PACKING	3				
S0_100C_INPUT_PICKING	3				
wTAD_IDOC_IMPUT_IDOC_STATUS		0			
2_100C_1NPUT_EMPHLN	10				
2_100C_1MPUT_EMPREP					
2_100C_1MPUT_EXPREP1					
			•		

Tcode: WE57 (Assignment of Function Module to Log)

Change View "IDoc: Assi	-		ge and IDoc Type":	
🎔 🕼 New antitians 🦄 🔂 🕪		2		
Function module	Follyp	BasicTop	Log mess tipe	
Old here	Dects	Edensio	Mug.code Mugfield	
AFS_RETAIL_ARTRAS_IDDC_INPUT	1	ARTRASOT	ARTRAS	
AFE_RETAIL_ARTMAS_DOC_INPUT	10	ARTHAGO2	ANTRAS	
APROXIMIC AND DOC DEVI		ANTINASIES	ALL NO.	
AFS_RETAIL_ARTRAS_DOC_INPUT		MATMAGED	RATRAS	
	12			
BAP1_100C_1MP0T1		ACC_ACT_ALLOCOT	ACC_ACT_ALLOC	
	2			
BAP1_100C_1MP0T1		AGE_ACT_ALLOCOP	ACC_ACT_ALLOC	
	5			
BAP1_IDOC_IMPUT1	1	ACC_ASSET_TRANSFERDT	ACC_ASSET_TRANS.	
BAP1_100C_1MPVT1	12	ACC_ADDET_TRANS_ACQ_POST.	ALC ADDED THAT	
10/1_1000_10/011		ALL, ABOLT_TANKS_ALL_POST.	ALL_ASSET_TRANS.	
BAPE_SDOC_EMPUTS		ACC_BILLINGO1	ACC_BULLING	
	2			
BAPI, DOC, DEPUTY		ACC_BILLING02	ACC_BOLLING	
	2			
BAP1_DOC_DMP0T1		ACC_BILLING_REVERSED1	ACCUBULLING, REV.	
	2			
BAP1_100C_1MPUT1	1	ACC_DOCUMENT01	ACC_DOCUMENT	

Process Code)

Tcode: WE42 (Define

Tcode: WE42 (Creating a new Process Code and assigning function module)

IDOC status)

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Outbound Docs 00000		Selected IDocs									
D CROERS 00000		Segm.	Stut 1	tut.	Partner	BasicType	Date created	Time	Mess.M.	Ovection	Pot
D CRCRSP 000005 D CRCRSP 000002 D CRCRSP 000002 D CRCRS 000014 D CRCRS 000003		15	51 0	00	L5/ /2F800	ORDERSEI	06/05/2006	12:29:10	ORCERS	Ind-ox	SAPC-H
		157	11 10	60	LSr (21,800	ORDERSON	06/05/2006	13:08:07	OFCERS	Ind-ox	SAPON
		15		00	LSF (21.800	ORDERSEI	06/05/2006	1312:04	ORDERS	Inbox	SAPOH
b a CRORSP 00001		15.)	10 10	00	LSF /ERP010	ORDERSOS	06/05/2006	13:25:45	OFCERS	Outbox	A00000
	000000000491819	2)	10 6	00	LSF /SAMETE	ZMUN	06/05/2006	18:34:14	ZSAMP	Outbox	A00000
	000000000491820	2)	10 0	00	LSF /SAMETO	ZMLN	06/05/2006	16:52:03	ZSAMP	Outbox	PORT
	000000000491821	35.)		60	LSF /ERP810	ORDER505	06/05/2006	17.37.09	OFCROP	Outbox	A00000
	000000000491822	36.7	10 0	00	LSF AERP810	ORDER505	06/05/2006	18:01:51	OFORSP	Outbox	PORT,
	000000000491823	36	58 🧔	00	LSF /ERP800	ORDERSOS	06/05/2006	18:04:36	ORCROP	Inbox	SAPOR
	000000000491824	35		00	LSF /ERP800	ORDERISOS	06/05/2006	18.07.19	ORCRIP	Indox	SAP04
	000000000491825	26	51 🙀	00	LSF ADRIPADD	ORDERIGOS	06/05/2006	18:09:08	ORDROP	Index	SAPOR
	000000000491826	36		00	LS/ /ERP800	ORDERSOS	06/05/2008	1817.55	ORCROP	Index	SAPC-8
	000000000491827	35				ORDERISOS	06/05/2006	181844	ORCROP	Indone	SAPO-B
	000000000491829	36			LSF ADRIPTION	ORDERISOS	06/05/2006	18:23:54	ORDROP		SAPC+
	000000000491829	35			LSr /ERPeto	ORDERIDOS	06/05/2008	18 30 07	OFCROP		PORT,
	000000000491830	367			LSF /ERP800	ORDER:005	06/06/2006	101057	ORDROP	Indrox	SAPOR
	000000000491831	32			LSF ADRIPETO	ORDERSOS	8002/80/80	10.21.39	ORDRSP		PORT
	000000000491832	327			LSr /ERP800	ORDERSOS	06/06/2006	10:24:09	ORCROP	Ind-ox	SAPDE
	000000000491833	32)			LSF /ERP800	ORDER:005	06/06/2006	10:26:28	ORDRSP		SAPON
	000000000491834	32			LS/ /ERP800	ORDERSOS	06/06/2006	10.27.36	ORDRSP		SAPOR
	000000000491835	32			LSr /ERP810	ORDERSOS	06/06/2006	10:31:25	OFCROP		PORT
	000000000491836	32 /	53 @	00	LSF KEP9000	ORDER:05	06/06/2006	10:35:37	ORDRSP	inbox.	SAPOH

IDOC Creation Steps

To Create Idoc we need to follow these steps:

Create Segment (WE31) Create Idoc Type (WE30) Create Message Type (WE81) Assign Idoc Type to Message Type (WE82)

Creating a SegmentGo to transaction code WE31Enter the name for your segment type and click on the Create iconType the short textEnter the variable names and data elementsSave it and go backGo to Edit -> Set ReleaseFollow steps to create more number of segments

Create IDOC TypeGo to transaction code WE30Enter the Object Name, select Basic type and click Create iconSelect the create new option and enter a description for your basic IDOC type and press enterSelect the IDOC Name and click Create iconThe system prompts us to enter a segment type and its attributes

Choose the appropriate values and press EnterThe system transfers the name of the segment type to the IDOC editor.Follow these steps to add more number of segments to Parent or as Parent-child relationSave it and go backGo to Edit -> Set release

Create Message TypeGo to transaction code WE81Change the details from Display mode to Change modeAfter selection, the system will give this message "The table is cross-client (see Help for further info)". Press EnterClick New Entries to create new Message TypeFill detailsSave it and go back

Assign Message Type to IDoc TypeGo to transaction code WE82Change the details from Display mode to Change modeAfter selection, the system will give this message "The table is cross-client (see Help for further info)". Press Enter.Click New Entries to create new Message Type.Fill detailsSave it and go back