Leading the Integration Revolution

Your business problems have changed. Why hasn't your integration solution?



Use Case: Handling data errors in the orchestration

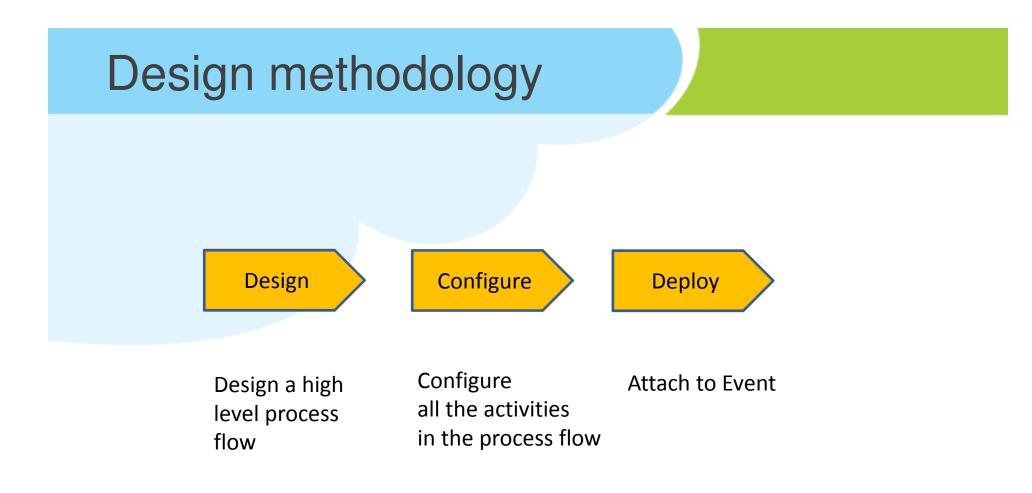


Use Case highlights

In this process flow

- Check for any errors in the incoming data
- Route errors to an email notification or work flows or sub flows

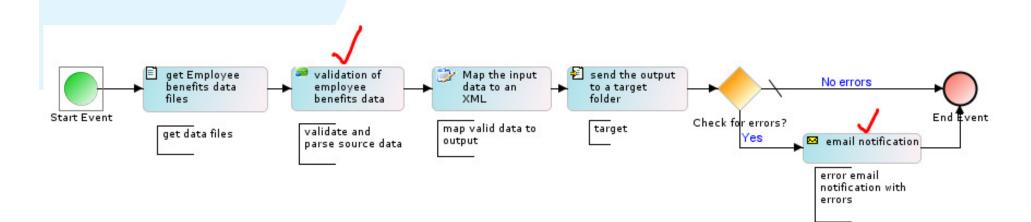






Design: Process Flow

Please refer to the Use Case video describing how to build this process flow





Configure – Source and Target

Services > Source > File 🗸

Delete 🕂 Create New						
	Name	Description	Owner	Project Name	Modified 🔻	
	UseCase_EmployeeBenefits_Source	source data location	demouser	UseCase_ErrorHandling	12/21/13 18	

Services > Target > File Delete + Create New Name Description Owner Project Name Modified UseCase_ValidBenefits output location demouser UseCase_ErrorHandling 12/21/13 18...

Services > Target > Mail							
Ô	Delete 🕂 Create New			Quick			
	Name	Description	Owner	Project Name			
	UseCase_ErrorEmail	send errors in email attachment	demouser	UseCase_ErrorHandling			



Configure – Source and Target Schemas

Edit Excel Schema: UseCase_BenefitsValidation

		Name*	UseCase_BenefitsValidation					
Description* Data Header Present			validation and parsing schema					
	ſ	Definition Mode*	Omport Definition	File 🖲 🛙	Enter the Fields	Seque	ntially	1
		Definition File	Data		\checkmark			Upload F
		Definition File Sheet Name*	Data Main		\checkmark			Upload F
# Field Nar	ne				Sub Format		Data M	
# Field Nar 1 EmpFirstNam		Sheet Name*	Main V				Data M Plain Text	
	e	Sheet Name*	Main		Sub Format	> >		ode
1 EmpFirstNam	e	Sheet Name* Type string	Main Format mmddyyyy		Sub Format		Plain Text	ode V
1 EmpFirstNam 2 EmpLastNam	e	Sheet Name* Type string string	Main Image: Constraint of the second secon		Sub Format hh:mm:ss hh:mm:ss	~	Plain Text Plain Text	ode

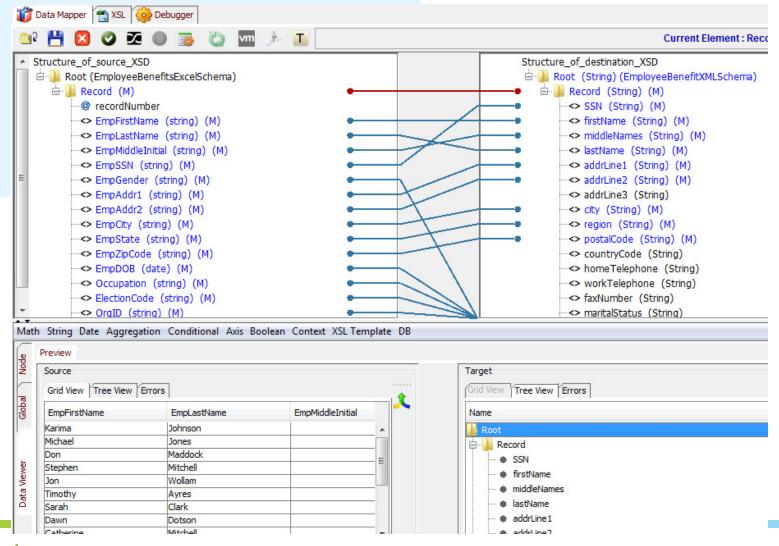
Name*	UseCase_Benefits_Schema ×	
Description*	XML schema	Services > Schema > XML
Validate XML		
Definition Mode*	● Import File ○ Web Service Consumer ○ Web Service Provider ○ Web Form	
File References	None 💌 🛨 🕅	
File Path	Browse Validate XSD	



Services > Schema > Excel

Configure – Mapping

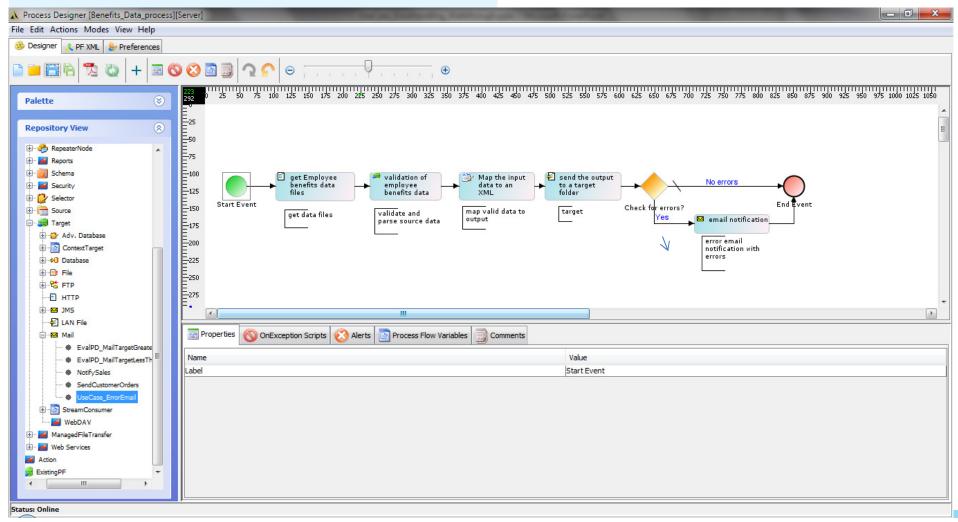
Services > Data Transformation > Data Mapping



🛕 ADEPTIA

Configure – Attach activities to process flow

Select and drag the activities from Repository View and attach it to activities.





Configure – Multiple stream on activity #2

Double click on second activity and change the Error Records option to Process. Also right click on the activity > Multiple Stream and create two stream names.

- 1. Add stream 'data'
- 2. Add stream 'error'
- 3. Map both streams to their related consuming activities. Data stream should go to mapping.
- 4. Error stream should go to email target. For the error stream also check the Error Stream checkbox.

E				Multiple S	Stream Dialog	9	_	X
E ⁻¹⁰⁰		get Employee benefits data	validation of	Stream N	Name Entry			
E-125		files	benefits data	Stream n	ame :			Add Stream
-100 -125 -150 -175 -200 -225 -250	vent	get data files	validate and	Stream /	And Activity Ma	apping		
=175			parse source data	Streams		data .	- M	ар
E-200				Activities		UseCase_Emplo •	-	ab
-225				Stream I	Information Ta	ble		
				XM	<u>@</u>			
E-275				Stream	Name	Error Stream	Stream Consumer	Explicit Stream
F				error			UseCase_ErrorEmail	
	<u> </u>			data			UseCase_Benefits	
555 F	Properties	OnException So	cripts 🔞 Alerts 🛐 Process F	Flow Variab	oles 🗍 Com	ments		
Name	e				Value			
Activi	ty Maximu	m Retries on Failure						
Activity Wait Time(in seconds) between Retries								
Character Set Encoding				ISO-8859-1				
	dataAction			No Action				
Error Records				\	Process			
File T	ype				Excel 97-200	3 Workbook (*.xls)		



Configure – Gateway rule

Double click on arrow, go to 'Edit condition' and use expression condition option.

Rule Information		×	
Rule Name: Erro			-
Declaring Activity Attribute/Variable to build E			
Please select Activity Attribute/Variable and de			
Existing Activities :	UseCase_BenefitsValidation 🗸 🗸 👻		
Activity Attribute/Variable :	ErrorOperationCount 🗸 🗸 🗸		No errors
Operand Type :	Text 👻		
Operator :	Not Equal 🧹 🗸		eck for errors? End Event
Value :			Yes email notification
		Insert Variable	error email notification with
Declaring Operator to build Expression			errors
Please select required Operator to build Expre	ssion:		
Select Operator:	&& 🗸	N_	
		Insert Operator	
Expression			
!(\$\$Service.UseCase_Benefit;	sValidation.ErrorOperationCou	nt\$\$.equals(""))	
			Edit Condition
		Done Cancel	



Deploy – File Event

Right click on the process flow located under Develop > Process > Process Flow and create and register File Event to the process flow.

Edit File Event: Benefits_trigger	
Name*	Benefits_trigger
Description*	new trigger to process data
Trigger Type*	On FileExists
Check for File Modification	
File Include Criteria*	*benefit*.xls
File Exclude Criteria	
File Base Location*	c:\input



Project: View and manage activities for this use case

Home Develop	Monitor Administer						
Projects Solutions - Process - Serv	ices - Events - Web Forms	Reports and Dashboards 🗸					
Projects /							
List of activities included in project "UseCa	se_ErrorHandling" 🗸						
🖣 Back Move 🕸			Qu				
Name	Description	Owner	Modified				
Data Mapping (1)							
UseCase_Benefits_data_map	data map	demouser	12/21/13 18:43				
Event Registry (1)							
BenefitsFileEvent	trigger setup	demouser	12/21/13 18:58				
Excel Schema (1)							
UseCase_BenefitsValidation	validation and parsing schema	demouser	12/21/13 19:07				
■ File Event (1)							
Benefits_trigger	new trigger to process data	demouser	12/21/13 18:58				
□ File Source (1)							
UseCase_EmployeeBenefits_Source	source data location	demouser	12/21/13 18:34				
∃ File Target (1)							
UseCase_ValidBenefits	output location	demouser	12/21/13 18:44				
Mail Target (1)	∃ Mail Target (1)						



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Thank You!

