

# Leading the **Integration** Revolution

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



ADEPTIA

# Using Adeptia

Use Case: Record by Record Looping in process flow

# Use Case highlights

In this use case we will design an orchestration that contains:

1. Use Record Queue Producer to read one record at a time from source
2. Apply looping logic in Gateway to read next record from the Queue
3. Use Record Queue Receiver to pass single record to the target
4. Exit out of the loop when the source file is fully read
5. Discuss some of the scenarios where record by record is applicable

# Design methodology



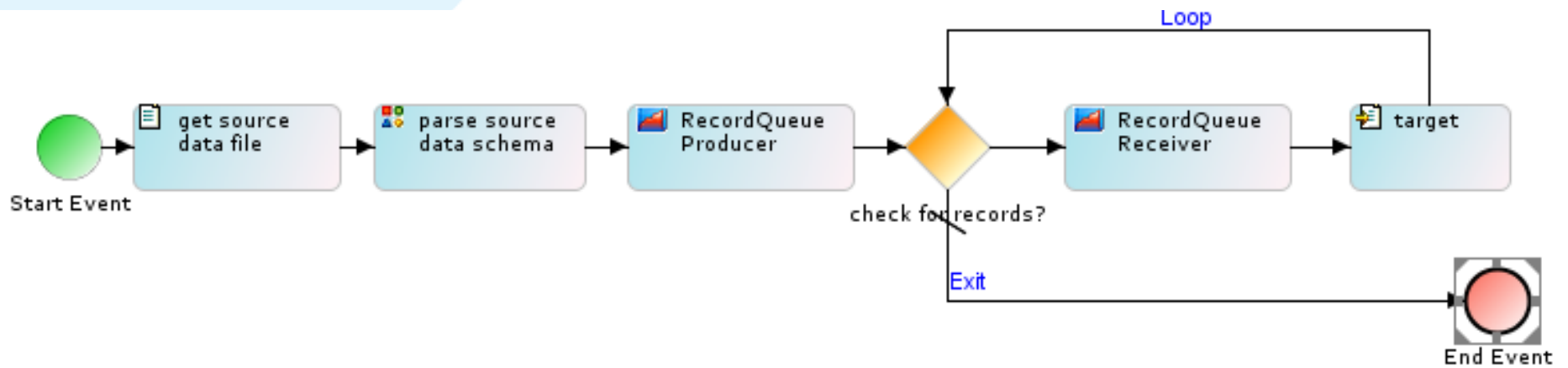
Design a high level process flow

Configure all the activities in the process flow

Attach to Event

# 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 Quick Search

<input type="checkbox"/>	Name	Description	Owner	Project Name	Modified
<input type="checkbox"/>	UseCase_GetBenefitsSource	csv file source	demouser	UseCase_RecordB...	12/25/13...

Services > Target > File ✓

Delete + Create New Quick

<input type="checkbox"/>	Name	Description	Owner	Project Name
<input type="checkbox"/>	UseCase_LoopingTarget	create new target file for each record	demouser	UseCase_RecordB.

# Configure – Source Schema

## Edit Text Schema: UseCase\_BenefitsSchema

Name\* UseCase\_BenefitsSchema

Description\* benefits csv schema

Data Header Present

Record Separator\* \n

Field Separator\* ,


Definition Mode\*  Import Definition File  Enter the Fields Sequentially

Definition File Data

Services > Schema > Text

#	Field Name	Type	Date Format	Time Format	Repeat	Parent
1	EmpFirstName	string	mmddyyyy	hh:mm:ss	1	
2	EmpLastName	string	mmddyyyy	hh:mm:ss	1	
3	EmpMiddleInitial	string	mmddyyyy	hh:mm:ss	1	
4	EmpSSN	string	mmddyyyy	hh:mm:ss	1	
5	EmpGender	string	mmddyyyy	hh:mm:ss	1	

Number of Rows  at Position

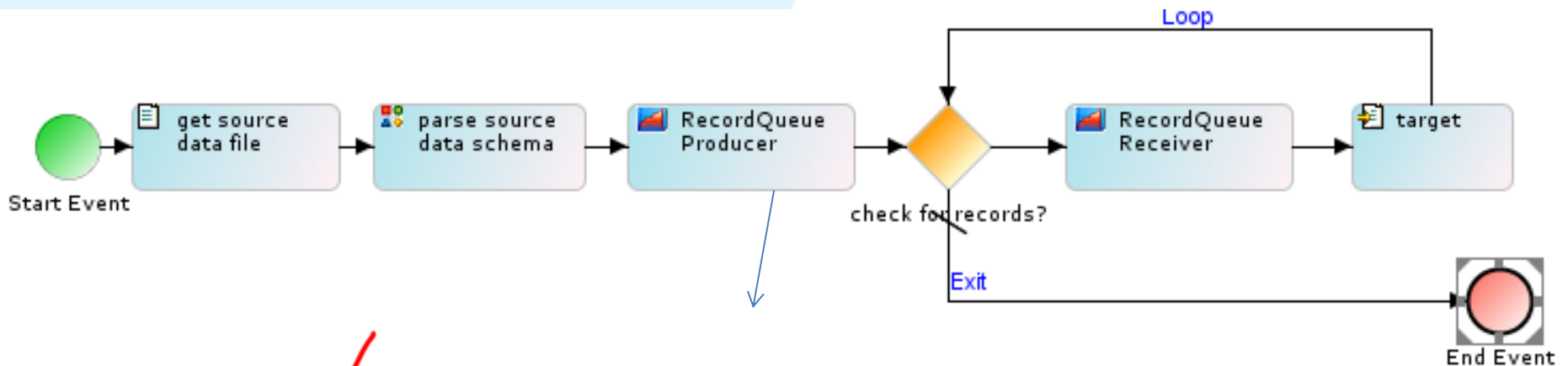
Type Id 

TextSchema:192168001039138799882029600050

Right click on the Text Schema activity > View and copy the Type ID value which will be used In the Record Queue Producer activity of the Process flow.

# Configure – Attach activities to process flow

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

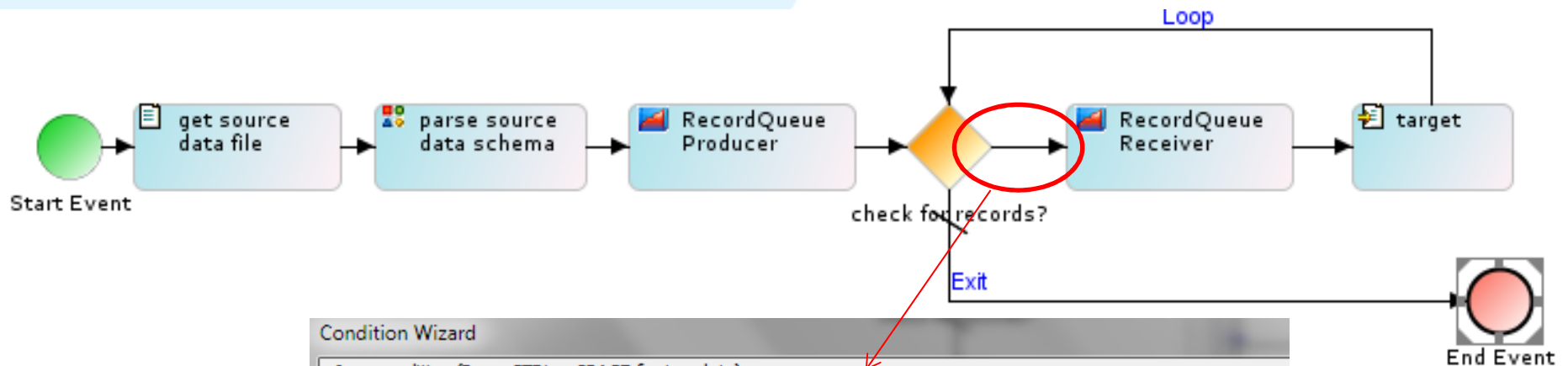


Name	Value
Character Set Encoding	None
ID	
inputFormat	XML
Label	RecordQueueProducer
Name	RecordQueueProducer
outputFormat	XML
queueName	queueName
queueSize	1
schemaTypeId	TextSchema:192168001039138799882029600050
Signal	SignalComplete
source	UseCase_BenefitsSchema
streamNames	



# Configure – Attach activities to process flow

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



```
Condition Wizard
Java condition (Press CTRL + SPACE for template)
1 String queue = context.get("Service.queueName.nextRecord");
2 if(queue.equals("true")){
3   return true;
4 }
5 }
6 return false;
7
```

```
String queue = context.get("Service.queueName.nextRecord");
if(queue.equals("true")){
    return true;
}
return false;
```

# 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.

Name*	UseCase_Benefits_Trigger
Description*	trigger to kick off the process
Trigger Type*	On FileExists
for File Modification	<input type="checkbox"/>
File Include Criteria*	*benefit*.csv ✓
File Exclude Criteria	
File Base Location*	c:\input ✓
Use VFS*	<input type="checkbox"/>

# Project: View and manage activities for this use case

Home Develop Monitor Administer

Getting Started Projects Solutions Process Services Events Web Forms

### Projects

List of activities included in project "UseCase\_RecordByRecordLooping"

Back Move

<input type="checkbox"/>	Name	Description	Owner
<input checked="" type="checkbox"/>	Event Registry (1)		
<input type="checkbox"/>	UseCase_FileTrigger	file trigger	demouser
<input checked="" type="checkbox"/>	File Event (1)		
<input type="checkbox"/>	UseCase_Benefits_Trigger	trigger to kick off the process	demouser
<input checked="" type="checkbox"/>	File Source (1)		
<input type="checkbox"/>	UseCase_GetBenefitsSource	csv file source	demouser
<input checked="" type="checkbox"/>	File Target (1)		
<input type="checkbox"/>	UseCase_LoopingTarget	create new target file for each re...	demouser
<input checked="" type="checkbox"/>	Process Flow (1)		
<input type="checkbox"/>	UseCase_RecordByRecordLooping	use case example	demouser
<input checked="" type="checkbox"/>	Text Schema (1)		
<input type="checkbox"/>	UseCase_BenefitsSchema	benefits csv schema	demouser

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Thank You!



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