# iWay Software



## **Building an Application to Dynamically Execute Partner Process Flows**

This topic describes how to configure an application using iWay Integration Tools (iIT) that will dynamically execute partner process flows. Once the application (an iWay Integration Application (iIA)) is configured, this topic describes how to deploy and test the iIA using iWay Service Manager (iSM) Version 7.0.x.

The *local\_706\_workspace\_archive.zip* archive file that is provided contains all of the preconfigured components for this how-to. Before continuing, download and extract this archive file to a location on your file system, which you can then import into iWay Integration Tools (iIT).

## **Configuring a Process Flow to Dynamically Execute Partner Process Flows**

- 1. Open iWay Integration Tools (iIT).
- 2. Create a new Integration Project or use an existing Integration Project if one is available.
- 3. Create a new process flow by right-clicking the *Flows* folder, selecting *New*, and then clicking *Process Flow* from the context menu, as shown in the following image.



The New Process Flow Wizard dialog opens, as shown in the following image.

💰 New Process Flow Wizar	d —		×
General Properties Please select a project locat	tion and choose a name for the new Process Flow		
Project Folder	/iSM_706/Flows	Brov	vse
Name	Dynamically_Call_Partner		
Description			< >
Target Server Version	7.0.6 Install additional Target Server Version Create in current folder Enable taps		>
?	<u> </u>	Cance	I

4. In the Name field, type *Dynamically\_Call\_Partner* and then click *Finish*.

The new process flow (Dynamically\_Call\_Partner) opens in the workspace area as a new tab.

📓 Integration Explorer 🛛	🤨 iWay Explorer	🛋 Library Manager		럟 Dynamically_Call_Partner 🛛	
		🔶 🔶 👰 📄	\$₽ ~		-
🔄 iSM_706					
🗁 Adapters					
🗁 Applications					
🗁 Channels					
🗁 Ebixes					
🔁 Flows					
쁂 Dynamically_(	Call_Partner				
🕞 Registers					
🗁 Schemas					
🗁 Templates					
🗁 Transforms					100
🗁 XML					
				Start	End

5. Right-click anywhere within the process flow workspace area, select *Create Object, Execution Objects*, and then click *Process Lookup* from the context menu, as shown in the following image.

🐯 *Dynamically_Call_Par	tner	×					
Start		End					
		Save	1				
	%	Search					
	2	Create Object >		End		1	
	<b></b>	Create Object	$\mathbf{A}$	Text			
	-	Publish	ч.	Service			
	4	Publish to	0	Control Objects	>	L .	
		Deploy	60	Execution Objects	>	BÌ.	BI
	ណិ	Compile	<b>—</b>		_	P	DQS
	0	Test Run				@.	Email
	$\checkmark$	Undo Move Object	L .				Emitter
	$\langle \rangle$	Redo	L .			ETL ₩₽₽	ETL
	of	Cut	L .			2	File
		Сору	L .			FTP	FTP
	Ê	Paste	L .				НТТР
	ж	Delete	L .			196 201	Iterator
		Rename	L .			43 100 [	
		Edit				<b></b>	Report Caster
		Activate	L .			-	Script
		Deactivate				SUL	SQL
		Export to Library	1			-	Data Integration
		Launch Property Manager	1				Transform
	_	Properties					Web Service

The Process Object dialog opens, as shown in the following image.

A Process Object		×
Name and Description		
Provide object name and description		
A Process object inserts a published system process into this pro-	 s an obie	ct
Name	 o un obje	
Dynamically_Call_Partner		
Description		
Locates and executes a process flow.		^
Тар		
(?) < <u>B</u> ack <u>Next</u> > <u>F</u> inish	Cance	el 🛛

6. In the Name field, type *Dynamically\_Call\_Partner* and then click *Next*.

The Object Properties pane opens, as shown in the following image.

🧖 Process Obje	ect — 🗆 🗙	(
Object Prope Provide object p	properties	
•		
Process Description	Defined process flow name to lookup at runtime. _sreg(basename) Enter a properly formatted iWay function such as TPA(), or enter the name of an existing process to lookup at runtime.	]
?	< <u>B</u> ack <u>N</u> ext > <u>Finish</u> Cancel	

7. In the Process field, type\_*sreg(basename)* and then click *Finish*.

**Note:** The *\_sreg(basename)* points to the *basename* Special Register (SREG) that is already created by the File listener as part of its default SREGs created for each file consumed. For a list of default SREGs, open any existing listener in the iWay Service Manager (iSM) Administration Console, scroll to the bottom of page, and click *Special Registers*, as shown in the following image. Please note that the listener must be created first.

Startup Dependencies	Comma-separated list of channel names that must be started before this one
<< Back Update	Special Registers

The following image shows a sample list of SREGs for the File listener in iSM version 7.0.6.

Name	Source	Level	Туре	Description
basename	Listener	Document	String	File name without extension
extension	Listener	Document	String	Extension to the filename (mime type)
filename	Listener	Document	String	File basename.extension
iway.channel	Listener	System	String	Full name of the channel (may include channelname.inlet.listener)
iway.channelname	Listener	System	String	Channelname portion of the name (from full channel name of channelname.inlet.listener)
iway.inletname	Listener	System	String	Inlet name portion of the name (from full channel name of channelname.inletname.listener)
iway.listener	Listener	System	String	Name of the listener
iway.pid	System	System	String	Process ID of server, if available
iway.serverfullhost	System	System	String	Full host name of server (includes domain)
iway.serverhost	System	System	String	Host name of server
iwayconfig	System	System	String	Current active configuration name
iwayhome	System	System	String	Base at which the server is loaded
iwayversion	System	System	String	Release version of this server
iwayworkdir	System	System	String	Path to base of the current configuration
msgsize	Listener	Document	Integer	Physical length of the message payload
name	Listener	System	String	Assigned name of the master same as iway.channel
parent	Listener	Document	String	Path to the file name
protocol	Listener	System	String	Protocol on which message was received
source	Listener	Document	String	Full name of the input file
zipentry	Listener	Document	String	Entry name in zip file if zip is being exploded

8. Drag the new Process Lookup object (*Dynamically\_Call\_Partner*) onto the line between the existing Start and Stop objects, as shown in the following image.



Notice the looking glass icon within the object, which indicates that this is a Lookup object.

9. Right-click anywhere within the process flow workspace area, select *Create Object* and then click *Service* from the context menu, as shown in the following image.

	Save			
%	Search			
2	Create Object >	J.	End	
	Create Object	А	Text	
->	Publish	а,	Service	
->	Publish to	<mark>0</mark>	Control Objects	>
	Deploy	60	Execution Objects	>
ា	Compile	-		
0	Test Run			

The Service Object dialog opens, as shown in the following image.

🦼 Service Object	—		×
Name and Description			
Provide object name and description			
A Service object is a unit of work that emits stock events and/or on events. Availability of services is dependent upon Target Server Ve Process Flow. By extending the available services list via project Cu can enlist custom services directly within a process.	e or mo rsion sj istomiz	ore custo pecified I ations us	om by the ser
Name			
QA			
Description			
Service Object			^
			$\sim$
Пар			
Sack Next > Finish		Cance	I

10. In the Name field, type *QA* and then click *Next*.

The Service Object Type pane opens, as shown in the following image.

💰 Service Object					×
Service Object T	уре				
Specify the type for t	the new Service object	t			
QA Agent Displaying 1 of 217					
All Favorites	Recent				
Туре		Tags			
QA Agent		debug, dump, logs, loggi	ng		
?	< Back	Next > Finish		Cancel	l

11. In the filter field, type QA Agent, select QA Agent under Type, and then click Next.

The Object Properties – "QA Agent" pane opens, as shown in the following image.

🦂 Service Object	· – 🗆	×
Object Proper	ties - "QA Agent"	
Provide object pr	roperties	
- Main		
• Iviaili		
Where	File pattern to receive trace file	
	_sreg(iwayworkdir)/resource/QA/QA_sreg(filename)_^.xml	~
When	When to perform operation	
	always	~
Name	Identifier name to mark emitted trace document	
		~
Emit input	Location (file pattern) to which to emit actual input document. If omitted or empty, the incoming document is not emitted.	
		~
Base64 Decode	If set, the value is assumed to be in base64 notation. Only applicable specific write value is specified.	e is a
	false	~
Starting Offset	If set, this is the starting offset within the data block to start the dum	пр
		~
Maximum Length	If set, this is the total number of bytes to dump. If not set dump is fr Starting Offset to end of the buffer.	om
		×
?	< Back Next > Finish Cance	:

12. Specify the following value for the Where parameter:

\_sreg(iwayworkdir)/resource/QA/QA\_sreg(filename)\_^.xml

- 13. Ensure that *always* is selected as the value for the When parameter.
- 14. Click Finish.
- 15. Drag the new Service object (*QA*) onto the line between the Process Lookup object (*Dynamically\_Call\_Partner*) and End object, as shown in the following image.



**Note:** The QA service object (com.ibi.agents.XDQAAgent) will write to a directory located under your Application deployment. The file will contain the payload, all SREGs, and indicate the state of the document.

16. Click the *Save* icon on the iIT menu bar or press *Ctrl+S*.

## **Configuring a Partner Process Flow**

1. Within the same Integration Project, create a new process flow by right-clicking the *Flows* folder, selecting *New*, and then clicking *Process Flow* from the context menu, as shown in the following image.



The New Process Flow Wizard dialog opens, as shown in the following image.

🤞 New Process Flow Wiz	ard —		×
General Properties Please select a project loc	ation and choose a name for the new Process Flow		4
Project Folder	/iSM_706/Flows	Brow	vse
Name	Partner_A		
Description			$\langle \rangle$
Target Server Version	7.0.6 Install additional Target Server Version Create in current folder Enable taps		¥
?	Finish	Cance	I

2. In the Name field, type *Partner\_A* and then click *Finish*.

The new process flow (Partner\_A) opens in the workspace area as a new tab, as shown in the following image.

💰 Integration Explorer 🛛	🔋 iWay Explorer	🛋 Library Manager		👸 *Partner_A 🛛		
		- 🔶 🖗 🗖	\$∎ ~			
🔄 iSM_706						
🗁 Adapters						
🗁 Applications						
🗁 Channels						
🗁 Ebixes						
🗁 Flows				€:T:		11
रुष्ट्र Dynamically	_Call_Partner			•		
쁂 Partner_A				Start	E	End
🗁 Registers						
🗁 Schemas						
🔁 Templates						
🗁 Transforms						
🗁 XML						

3. Right-click anywhere within the process flow workspace area, select *Create Object* and then click *Service* from the context menu, as shown in the following image.

	Save			
%	Search			
2	Create Object >	l.	End	
	Create Object	А	Text	
->	Publish	а,	Service	
-	Publish to	0	Control Objects	>
	Deploy	<u>6</u> 0	Execution Objects	>
ា	Compile	-		
0	Test Run			

The Service Object dialog opens, as shown in the following image.

💰 Service Object —			×					
Name and Description Provide object name and description								
A Service object is a unit of work that emits stock events and/or one of events. Availability of services is dependent upon Target Server Version	A Service object is a unit of work that emits stock events and/or one or more custom							
Process Flow. By extending the available services list via project Custo can enlist custom services directly within a process.	mizat	tions us	er					
Name								
pflow_A_move								
Description								
Process flow object representing a business process for Partner_A.			$\sim$					
Пар								
		Cancel						

4. In the Name field, type *pflow\_A\_move* and then click *Next*.

The Service Object Type pane opens, as shown in the following image.

🤞 Service Object		—		×
Service Object Type				
Specify the type for the new Service obje	ect			
Move Agent Displaying 1 of 217				ゐ
All Favorites Recent				
Туре	Tags			
Move Agent transfers input to output	control, move, transfer			
? < Back	Next > Finish		Cance	I

- 5. In the filter field, type *Move Agent*, select *Move Agent* under Type, and then click *Finish*.
- 6. Drag the new Service object (*pflow\_A\_move*) onto onto the line between the existing Start and Stop objects, as shown in the following image.



7. Repeat steps 1 to 6 changing A to B and C to D.



**Note:** You can also copy the Partner\_A process flow and paste it back to the Flows folder, rename and edit accordingly to create the three remaining partner process flows (Partner\_B, Partner\_C, and Partner\_D).

8. Click the *Save* icon on the iIT menu bar or press *Ctrl+S*.

#### **Configuring an Inbound Channel**

1. Within the same Integration Project, create a new channel by right-clicking the *Channels* folder, selecting *New*, and then clicking *Channel* from the context menu, as shown in the following image.



The Channel Object dialog opens, as shown in the following image.

🤞 Channel Object	– <b>D</b> X
Channel General Please choose a nam	Properties ne and location for this new Channel.
Project Folder	/iSM_706/Channels Browse
Name Description	File_Listener_DF
	corresponding process flow.
Target Server Version	7.0.6 🗸
	Install additional Target Server Version Create in current folder
?	< Back Next > Finish Cancel

2. In the Name field, type *File\_Listener\_DF*.

You can also specify a description for this channel, which is optional.

## 3. Click Next.

The Inbound/Outbound Protocols pane opens, as shown in the following image.

💰 Channel Object		_		×
Inbound/Outbound F Specify the inbound and		6		
Inbound:			÷	×
Name	Listener Type	Description		
Have an inlet created	for each inbound protocol			
Outbound:			+	36
Name	Emitter Type	Description		
Have an outlet create	d for each outbound proto	col		
?	< Back Next >	Finish	Cance	el

4. Click on the green plus (+) icon to add an inbound protocol.

The Listener Component Type pane opens, as shown in the following image.

d	— D X		
Listener Component Type			
Specify the type for the Listener Componer	ıt		
file			
Displaying 6 of 50			
All Favorites Recent			
Туре	Tags		
Avro File			
ConnectDirect	file transfer, connect direct, ibm, network dat		
File	input, files, directory, filesystem		
LDAP High Watermark/File	ldap reader, high water mark, trigger, ldap		
RDB High Watermark (rdbhwm)	database listener, database event handler, hig		
SFTP Client (Secure Shell version FTP C	sftp client, ingest files, secure ftp, sftp, polling 🤟		
Tags:	Filter:		
email <b>filesystem</b> ftp high watermark	http Idap oracle		
queue ni san sftn sch ton telnet udn			
queue ivi sap site ssil tep tentet dup			
File			
Assessed a surgest of form film in disease in			
Accepts documents from files in directorie	5		
?	Finish Cancel		

5. In the filter field, type *file*, select *File* under Type, and then click *Finish*.

You are returned to the Inbound/Outbound Protocols pane opens, as shown in the following image.

💰 Channel Object				×		
Inbound/Outbound Protocols						
Specify the inbound and o	Specify the inbound and outbound protocols to be used in the channel					
Inbound:			÷	×		
Name	Listener Type	Description				
listener.1	File	Accepts documents from	n files			
Have an inlet created f	or each inbound protocol					
Outbound:			+	30		
Name	Emitter Type	Description				
Have an outlet created	for each outbound proto	col				
?	< <u>B</u> ack <u>N</u> ext >	<u>F</u> inish	Cance	1		

- 6. Select the following options:
  - Have an inlet created for each inbound protocol.
  - Have an outlet created for each outbound protocol.
- 7. Click Finish.

The Channel Builder opens, as shown in the following image.

🗏 *File_Listener_DF 🔀						
Channel Builder Process: process.1: Process 'process.1' not defined						
File_Listener_DF	e	listener.1				
<pre>channel: File_Listener_DF</pre>	<ul> <li>↓</li> <li>↓</li> </ul>	Accepts documents from files in directories Type: File change type Filter (enter string to filter properties) Clear Main Active $2$ $2$ $2$ $2$ true Input Path $2$ $2$ $2$ sreg(iwayworkdir)/resource/in Destination $2$ $2$ $2$ sreg(iwayworkdir)/resource/out Removal Destination $2$ $2$ $2$				

8. In the left pane under inlet, select *listener:listener.1*, on the right pane, expand *Main*, and then add the following values:

In the Input Path field, type:

\_sreg(iwayworkdir)/resource/in

In the Destination field, type:

\_sreg(iwayworkdir)/resource/out

- 9. Click the *Save* icon on the iIT menu bar or press *Ctrl+S*.
- 10. In the left pane under route, select *process:process.1*, and then in the right pane click the *Add process flow* icon, as shown in the following image.

File_Listener_DF X						
Channel Builder Process: process.1: Process 'process.1' not defined						
File_Listener_DF	<b>B</b>	process				
<ul> <li>channel: File_Listener_DF</li> <li>inlet: inlet. 1</li> <li>istener: listener. 1 (File)</li> <li>route: route. 1 (default)</li> <li>process: process. 1</li> <li>outlet: outlet. 1</li> </ul>	<ul> <li>↓</li> </ul>	Select process from workspace that you want to be referenced by this channel component				

The Resource Selection dialog opens, as shown in the following image.

💰 Resource Selection 🛛 🚽		×
<ul> <li>Image: Approximate of the second state of the secon</li></ul>		
ОК	Cance	:1

- 11. Expand the Integration Project folder you are working in, the *Flows* folder, and select the *Dynamically\_Call\_Partner* process flow.
- 12. Click OK.

You are returned to the Channel Builder.

13. Click the *Save* icon on the iIT menu bar or press *Ctrl+S*.

The completed channel should now show no errors, as shown in the following image.



## Configuring the iWay Integration Application

1. Within the same Integration Project, create a new iWay Integration Application (iIA) by rightclicking the *Applications* folder, selecting *New*, and then clicking *Application* from the context menu, as shown in the following image.

🔬 Integration Explorer	🛛 🥫 iWay Explorer 🛋 Library Ma	nager				
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓						
> 🔁 Chann	New > Go Into	<b>⊘</b> ⊡	Integration Project Project			
🕞 Registe	Open in New Window Copy	<b>()</b>	Application Deployment Template			
➢ Templa ➢ Transfe ○ XMI	Paste Duplicate	n 1	Channel Process Flow			
×	Delete Move	<i>j</i> (w)	Transform Register Set			
a ka	Rename	<b>ශා</b> f(.)	Schema Set IFL Expression			
4	Export		Example			
2	Refresh	Ľ	Other Ctrl+N			

The New Application Wizard dialog opens, as shown in the following image.

🔞 New Application	Wizard —		×
General Proper Please select a proj	ies ect location and choose a name for the new application		
Project Folder	/iSM_706/Applications	Bro	wse
Name	Dynamic_Pflow		
Description	Processes messages based on Partner.		< ~
	<ul> <li>Create in current folder</li> <li>Use Maven</li> </ul>		
?	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish	Cance	el l

2. In the Name field, type *Dynamic\_Pflow*.

You can also specify a description for this application, which is optional.

3. Click Next.

The Resource Selection pane opens, as shown in the following image.

Name	Туре	Auto Start	Location	Description	Select A
☑ 韓 Dynamically_Call_Partner	process		/iSM_706/Flows/Dyna		
🗹 🚪 File_Listener_DF	inlineCh	yes	/iSM_706/Channels/Fi	Consumes files from a defined	Deselect
🗹 🎇 Partner_A	process		/iSM_706/Flows/Partn		
🗹 鹉 Partner_B	process		/iSM_706/Flows/Partn		
🗹 🎇 Partner_C	process		/iSM_706/Flows/Partn		
🗹 🎇 Partner_D	process		/iSM_706/Flows/Partn		
<	•			>	

4. Select the check boxes for all of the components that you previously created and then click *Finish*.

The new process flow (Dynamic\_Pflow) opens in the workspace area as a new tab, as shown in the following image.

🕢 Integration Explorer 🛛 🦉 iWay Explorer 🛋 Library Manager 🖓 🗖	🎯 Dynamic_Pflow.iab 🛛	
<ul> <li>         → Q         <ul> <li></li></ul></li></ul>	Add channels, transforms and prod Name 햲 Dynamically_Call_Partner	Type Auto Start process
✓ 🧐 Dynamic_Pflow ✓ 🥭 Components	🧮 File_Listener_DF រដ្ឋិរូ Partner_A	inlineChannel yes process
> 👼 File_Listener_DF	हुईडु Partner_B	process
で設立 Dynamically_Call_Partner	råg Partner_C	process
ित्य Partner_A	រដ្ឋីរទ្ធ Partner_D	process
Reg Partner_C		
ige Partner_0 ≹i build.xml		

5. Create any folders that you require to be added to your application.

**Note:** This step is optional, meaning you can use any folder you require in or out of the application working directory. These folders are just being used for simplicity and demonstration purposes.

6. Right-click the Integration Project node you are working with, select *New*, and then click *Other* from the context menu, as shown in the following image.



The New dialog opens, as shown in the following image.



7. Expand the *General* folder, select *Folder*, and then click *Next*.

The New Folder dialog opens, as shown in the following image.

🚀 New Folder			_	
Folder Create a new folder	resource.			
Enter or select the pa	arent folder:			
Folder <u>n</u> ame: in				
<u>A</u> dvanced >>				
?	< <u>B</u> ack	<u>N</u> ext >	<u>F</u> inish	Cancel

- 8. Select the Integration Project for which you want to create the new folder under, and then in the Folder name field, type *in*.
- 9. Click Finish.

The new folder (for example, *in*) is now added to your Integration Project.

- 10. Repeat steps 6 to 9 to create the following additional folders:
  - Out
  - QA
  - Source\_Input\_XML

The folder structure for your Integration Project should now appear as shown in the following image.



11. Right-click the *Source\_Input\_XML* folder select *New*, and then click *Other* from the context menu, as shown in the following image.

🗁 Registe 芦 Schem	as				
🗁 Source	Inpu	t_XML	_		
🔁 Templi		New >	À	Integration Project	
🗁 Transfo		Go Into	C2	Project	
		Open in New Window	۲	Application	
	Ð	Сору	ð	Deployment Template	
	Ē	Paste	8	Channel	
	D	Duplicate	å	Process Flow	
	×	Delete	fix	Transform	
		Move		Register Set	
		Rename	ត្រា	Schema Set	
	2	Import	fω	IFL Expression	
	⊿	Export	C2	Example	
	8	Refresh	Ċ	Other	Ctrl+N

The New dialog opens, as shown in the following image.

🔗 New		×
Select a wizard Create a new file resource		\$
Wizards:		
type filter text		
<ul> <li>Class         <ul> <li>Integration Project</li> <li>Interface</li> <li>Java Project</li> <li>Java Project from Existing Ant Buildfile</li> <li>Plug-in Project</li> <li>General</li> <li>Faceted Project</li> <li>Folder</li> <li>Project</li> <li>Untitled Text File</li> </ul> </li> </ul>		~
Over the second seco	Cance	el

12. Expand the *General* folder, select *File*, and then click *Next*.

The New File dialog opens, as shown in the following image.

🦂 New File 🛛 —	
File Create a new file resource.	
Enter or select the parent folder:	
iSM_706/Source_Input_XML	
🗁 Channels	^
🗁 Ebixes	
🔁 Flows	
🗁 in	
🗁 out	
🔁 QA	
🔁 Registers	
Schemas	
Source_Input_XIVL	
	*
File name: Partner_A.xml	
<u>A</u> dvanced >>	
(?) < <u>Back</u> <u>Next</u> > <u>Finish</u>	Cancel

13. In the File name field type *Partner\_A.xml* and then click *Finish*.

A new file (Partner\_A.xml), which is empty, is created and added to the Source\_Input\_XML folder in your Integration Project.

14. Right-click the *Partner\_A.xml* file, select *Open With*, and then click *Text Editor* from the context menu, as shown in the following image.



The *Partner\_A.xml* file opens as a new tab in the workspace area.

15. Copy and paste the following XML content into the opened file:

<test>This is from partner A</test>

For example:

Partner_A.xn	I X
<test>Thi</test>	s is from partner A

- 16. Save and close the *Partner\_A.xml* file.
- 17. Repeat steps 11 through 16, creating the new XML file and content, but renaming A to B, C, and then to D.

**Note:** You can also copy the *Partner\_A.xml* file and paste it back to the Source\_Input\_XML folder, rename and edit accordingly to create the three remaining XML file (Partner\_B.xml, Partner\_C.xml, and Partner\_D.xml).

The Source\_Input\_XML folder should now contain four XML files, as shown in the following image.



The content of the four XML files is summarized as follows:

- Partner\_A.xml: <test>This is from partner A</test>
- Partner\_B.xml: <test>This is from partner B</test>
- Partner\_C.xml: <test>This is from partner C</test>
- Partner\_D.xml: <test>This is from partner D</test>
- 18. Expand the *Applications* folder in the left pane and double-click the *Dynamic\_Pflow* application node.

The *Dynamic\_Pflow* application opens as a new tab in the workspace area.

19. Click the Resources tab and then click the *Add folders* button, as shown in the following image.

🔬 Integ 🛛 🧵 iWay 🛋 Librar 🖓 🗆	Spramic_Pflow.iab	- 8
(→ → @   🖻 🕏 🔻	Register files and folders to be part of this application. They will be dropped into the application's resource directory at deployment	nt time.
✓ ₩ iSM_706		
🗁 Adapters		Add files
<ul> <li>Applications</li> </ul>		A dal & dalars
> 🎯 Dynamic_Pflow		Add tolders
> 🗁 Channels		
🗁 Ebixes		Add external files
> 🗁 Flows		Add external folder
🗁 in		
🗁 out		
🔁 QA		Kemove
🗁 Registers		
🔁 Schemas	Components Process Business Services Libraries Resources Bindings	

The Folder selection dialog opens, as shown in the following image.

💰 Folder selection 🦳		×
Select folders in the project to be added to application archive at applica	tion build	d time
<ul> <li>Settings</li> <li>Adapters</li> <li>Applications</li> <li>Channels</li> <li>Channels</li> <li>Ebixes</li> <li>Flows</li> <li>OA</li> <li>Registers</li> <li>Schemas</li> <li>Schemas</li> <li>Source_Input_XML</li> <li>Templates</li> <li>Transforms</li> <li>XML</li> <li>in</li> <li>out</li> </ul>		
ОК	Cance	4

20. Select all of the new folders that you created (*QA*, *Source\_Input\_XML*, *in*, and *out*) and then click *OK*.

The Resources tab of the opened application (Dynamic\_Pflow) is refreshed with the new folder structure, as shown in the following image.

🎯 *Dynamic_Pflow.iab 🛛	
Register files and folders to be part of this application. They will be dropped into the application's resource directory at deployme	nt time.
QA - \ISM_706     Source_Input_XML - \ISM_706     in - \ISM_706     im - \ISM_706	Add files Add folders
<u>u</u> out - (ISIM_700	Add external files Add external folder
	Remove
Components Process Business Services Libraries Resources Bindings	

- 21. Click the *Save* icon on the iIT menu bar or press *Ctrl+S*.
- 22. Right-click the *Dynamic\_Pflow* application in the left pane, select *Integration Tools*, and then click *Publish* from the context menu, as shown in the following image.



The Publish Resource Wizard dialog opens, as shown in the following image.

🤞 Publish R	esource Wizard —		×
Server Sel	ection		
Please speci in the full SC	fy the server where you would like to publish this resource. You can either type DAP url,		
Server Info	mation:		
Server URL	localhost		~
User Name	iway		
Password:	••••		
Keystore ar	nd Truststore:		
Keystore:	None		$\sim$
Truststore:	None		$\sim$
?	Finish	Cance	2

23. Specify your server information (your iSM instance) and click Finish.

After the publish process has completed, you should see the following type of success message in the Console tab of iIT, as shown in the following image.



**Note:** You will need to have already created an iWay Resource connection using the iWay Explorer tab within iIT. To create this, right-click anywhere in the iWay Explorer palette and select *New iWay Resource* from the context menu, as shown in the following image.

🔏 Integration Ex 🧵 iWay I	Explor	er 🛛	🛋 Library Manager 🧧	° 🗆
			😽 🏠 🗇 🖻	
V 🛞 localhost				
Adapters	Ş	Refree	sh	
& Events		Filter.		
Registry	<b>1</b>	New i	Way Resource	
		Go Ho	ome	
	$\Leftrightarrow$	Go Ba	ack	
	⇔	Go Int	to	

You can also click the Launch iWay Resource Creator Wizard icon, as shown in the following image.

🔏 Integration Ex 📴 iWay	Explorer 🖾 🛋 Library Manager 🗖 🗖	
	💗 🏠 🗘 🕞 🏹	
✓ Nocalhost		
Adapters	Launch iWay Resource Creator Wi	zard
Services		
& Events		
Applications		
ኯ Registry		

## Deploying and Testing the iWay Integration Application

1. Open the iSM Administration Console by typing the following URL in the address bar of your browser:

## http://hostname:9999/ism

2. At the top of the console, click the *Management* link, then click *Deployments* under the Application Management section in the left pane, as shown in the following image.

iWay Service Mar	nager				Management ba	se		• 🔕	02	7.0.6.3572
Server Registry <u>Deple</u>	oyments Tools									
Application Management	Deployments Monitor and mana	ge deployed a	applications	5						
Deployments	Deployment	Actions	State	Since	Application	Template	Source	•		
Templates	SQLLUWAPP	😒 😒 💌	Ø	03/03/17 17:09:19	SQLLUWAPP	raw				
Events	New									
Server Management										
Servers										
Users										

3. Click *New* at the bottom of the Deployments page.

The Deployments – New Deployment page opens, as shown in the following image.

iWay Service Mar	lager	Management base	• 🙆	🧭 🕐 7.0.6.:	
Server Registry <u>Deplo</u>	yments Tools				
Application Management	Deployments - New Deplo Deploy an application	pyment			
Deployments	Deploy application				
Applications	Deployment Name	Use an auto-generated name below or provide a custom name.			
Templates		Oynamic_Pflow_DF_Template			
Events		0			
Server Management					
Servers	Configuration Template	A 'raw' template is used by default.	 		
Users		DF_Template		<b>•</b>	
Server Roles				Ψ.	
Test Servers	Application *	Dynamic Pflow			
Remote Servers	, ppiloution	SQLLUWAPP			
				Ψ.	
	Port	Port the console will listen on			
		10002			
	Application Description	An automatic description is generated by default.			
	<	Reset			

Notice the deployment name that is used (Dynamic\_Pflow\_DF\_Template).

4. Select the configuration template you wish to use, the *Dynamic\_Pflow* application (iIA you created and published using iIT), and then click *Deploy*.

You are returned to the Deployments page where your deployment (Dynamic\_Pflow\_DF\_Template) is now listed, as shown in the following image.

Deployments Monitor and manage deployed app	lications					
Deployment	Actions	State	Since	Application	Template	Source
Dynamic_Pflow_DF_Template	🗶 🍣 💌	٢	03/13/17 22:04:36	Dynamic_Pflow	DF_Template	
SQLLUWAPP	🗶 🍣 🕥	Ø	03/03/17 17:09:19	SQLLUWAPP	raw	
New						

5. Check your < iway\_home > \config folder to see if your application was created, as shown in the following image.

OS (C:) > Program Files (x86) > iway7 > config						
	Name ^	Date modified	Туре			
*	base	3/2/2017 7:03 PM	File folder			
*	DF_Template	3/13/2017 9:58 PM	File folder			
	🗹 📙 Dynamic_Pflow_DF_Template	3/13/2017 10:04 PM	File folder			
	naw raw	3/2/2017 6:39 PM	File folder			
*	SQLLUWAPP	3/3/2017 5:10 PM	File folder			
	📄 config.xml	3/13/2017 10:04 PM	XML Document			
	📄 security.xml	7/6/2016 1:37 PM	XML Document			

Also check the  $\resource$  subfolder to confirm that the application folders you created are listed, as shown in the following image.

OS (C:) → Progra	m Files (x86) > iway7 > co	nfig > Dynamic_Pflow_DF_Template > re	esource >
	Name ^	Date modified	Туре
*	🔒 in	3/13/2017 10:04 PM	File folder
*	📕 out	3/13/2017 10:04 PM	File folder
	QA	3/13/2017 10:04 PM	File folder
*	Source_Input_XML	3/13/2017 10:04 PM	File folder

- 6. Return to the iSM Administration Console and click *Deployments* under the Application Management section in the left pane.
- 7. Click the red icon in the State column to start your application, as shown in the following image.

Deployments Monitor and manage deployed applications						
Deployment	Actions	State				
Dynamic_Pflow_DF_Template	💌 😴 💌	٢				
SQLLUWAPP 💿 🤹 🗶 💿						
New						

Note: The application startup may take a few seconds.

The red icon in the State column changes to a green icon with a check mark, which indicates that your application has started, as shown in the following image.

Deployments Monitor and manage deployed applications						
Deployment	Actions	State				
Dynamic_Pflow_DF_Template	🗷 충 💌					
SQLLUWAPP	💿 🛸 🗙	٢				
New						

8. To test the application, go to your application folder path (\resource\Source\_Input\_XML), and copy all four XML files, as shown in the following image.

OS (C:) > Program Files (x86) > iway7 > config > Dynamic_Pflow_DF_Template > resource > Source_Input_XML							
	lame ^	Date modified	Туре	Size			
*	Partner_A.xml	3/13/2017 10:04 PM	XML Document	1 KB			
* 🗹 🖆	Partner_B.xml	3/13/2017 10:04 PM	XML Document	1 KB			
	Partner_C.xml	3/13/2017 10:04 PM	XML Document	1 KB			
	Partner_D.xml	3/13/2017 10:04 PM	XML Document	1 KB			

- 9. Paste all four XML files into the \resource\in folder, where they will be automatically picked up by the File listener in your channel.
- 10. To confirm your test, open the  $\resource QA$  folder.

You should see a QA file (XML format) for each partner confirming that a specific process flow was used, as shown in the following image.

