iWay Software



Configuring Writable Applications

iWay applications have always been immutable, meaning once they are deployed they cannot be altered. Now, in iWay Release 8.0.4, you can mark an application as *writable*, which means components, such as flows, listeners, transforms, and so on can be added, updated, and deleted without having to restart the application.

This how-to includes the following topics:

- Initial Setup
- Adding a New Channel
- Importing iWay Applications (Applying a Package)
- Importing iWay Applications (Deploying a Component)

Initial Setup

1. Create a writable application (for example, *writable_app1*), with a File channel (for example, *file_chan1*), as shown in the following image.



2. Right-click the bundle *subfolder* in the writable application project, select *Run As*, and click *Application Deployment* from the menu, as shown in the following image.



The Edit Configuration dialog opens, as shown in the following image.

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me: deploy_bundle		
Application:		
/writeable_app1/bun	dle.iab	Browse
T 1.		
emplate:		Browse
	~	Refresh
Deployment Options: Deployment Name: Deploy as Test Server: Writable:	bundle on/off on/off	
Console Port:		
Description:		
Description: Autostart Application:	on/off	
Description: Autostart Application: Autostart Timeout:	on/off10	

3. Select the *Writable* check box and click *Apply*.

Note: This step must be performed before deployment to ensure your application is *writable*.

- 4. Deploy the writeable application, in this case, *writable-app1*.
- 5. Start the application and check that you can monitor the File channel, as shown in the following image.

iWay Service Manager Server Seasces Hemitedau Tools					Manager	ment writable-app	5		C 🕜 E&ASMUPSHO Ucensies About Log	12822 out
Monitoring Channels	Channels Monitor, start and sto	ation chan	nels	Messages						
	Name	Туре	State	Waiting	Active	Completed	Successful	Failed	Since Last Refresh	Description
-	file_chan1 inlet 1 li	FILE	0	NA	0	1	1	0	1	Accepts documents from files in directories

Adding a New Channel

- 1. In the iIT application project, create a new channel, for example, *file_chan2*.
- 2. Right-click the new channel, *file_chan2*, select *Library*, and then select *deploy* to deploy the channel to the writable application (writable-app1).

Application Explorer ×	iWay Explorer 2	• move ×
 writable_app1 APIs Channels file_chan1 file_chan2 Configurations Configurations Flows Resources Templates Transforms Solumit pom.xml Writable_app2 	Way resource deployment wizard Way channel deployment Server Information: Server URL: http://localhost:9000 User Name: iway Password: •••• Keystore and Truststore: Keystore: Truststore: Configurations: writable-app1	- C ×
	(f)	<u>Finish</u> Cancel

- 3. Navigate to the iSM Console Monitoring tab, confirm that the channel is deployed, and then start it.
- 4. Validate that the channel is processing data, as shown in the following image.

	Concession of the local division of the loca								and the second	Setter and the set				
Channels	Monitor, start and stop	Channels Monitor, start and stop application channels												
					Messages									
	Name	Туре	State	Waiting	Active	Completed	Successful	Failed	Since Last Refresh	Description				
	file_chan1:inlet.1 il	FILE	0	NA	0	1	1	0	0	Accepts documents from files in directories				
	file_chan2-inlet 1-li	FILE	0	NA	0	1	1	0	0	Accepts documents from files in directories				

Moving Components Across Applications

- 1. In iIT, create a new writable application (for example, *writable_app2*). Leave it empty and deploy it to the server.
- 2. Start the application and check to see that it has nothing under monitoring, as shown in the following image.

iWay Service Man Server Sources Monit	nager Ioring Tools		Managen	witable_app	2 •		C 🕜 80.4-SNU Jeenses About				
Monitoring Channels	Channels Monitor, start and stop application channels										-
					Messages						
	Name	Туре	State	Waiting	Active	Completed	Successful	Failed	Since Last Refr	resh Desc	ription
							1				

- 3. Using the iSM Console, create a package for *file_chan2* from *writable_app1*. To do this, navigate to *Tools* and then *Package Manager*.
- 4. Install this package into a running application. If running on a different server, packages can be exported as zips, using *Tools*, *Package Manager*. You can install the package with *file_chan2* into the *writable_app2*, as shown in the following image.

Applications Business Activity Monitor	Package Manager - Install/Uninstall Pack The iWay Package Manager is used to manage to the packages that are currently installed in the to	ages he addition/ base configu	deletion of functionality ration of this server.	within an iWay Service Manager configuration. Listed below
Trading Partner Manager	Packages Filter By Server Where Server	Equals	* base	
Diagnostics	Name	Version	Creation	Description
Log Viewer	base:iwayenvoy	2	10/28/2019 22:23	This component will register iWay Envoy.
Imports/Exports	writable-app1:bundle	1		
Package Manager Archive Manager	writable_app2:bundle	1		
Info	writable_app2:file2_package	1	October 29 2019	
Release Information Diagnostic Zip	<< Back Add Delete			

5. Navigate to the Monitoring tab for *writable_app2*, and ensure that you can start and test the channel, as shown in the following image.

iWay Servic	e Manager Monitoring Tools				Manager	writable_app	2		C 2 ED 4-SHAPSHC	17.2822 point
Monitoring Channels	Channels Monitor, start and sto	p applica	ation chan	nels						
							Messag	es		
	Name	Type	State	Waiting	Active	Completed	Successful	Failed	Since Last Refresh	Description
	file_chan2 inlet 1 il	FILE	0	NA						Accepts documents from files in directories

Importing iWay Applications (Applying a Package)

1. Import the iWay 7 application into iWay 8 (in this case, it has one File channel), as shown in the following image.

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 C: iway/Pproj Adapters Adplications > (iway/2pp) > (iway/2pp) > (iway/2phan) >	0- 0- 0- E % V	Channel Builder Ivoy7_chan	

2. Deploy it as a writable application.

Note: Ensure the *Writable* check box is selected in the Edit Configuration dialog before deploying the writable application.

3. Start the application and check to see that it is running, as shown in the following image.

iWay Service Manager Server Searces Hendloring Tools					Managen	way7app			C 🕐 1.0 4-5NAPSHO	12622 not		
Monitoring	Channels									_		
Channels	Monitor, start and sto	p appaca	ibon chan	iners								
							Messages					
	Name	Type	State	Waiting	Active	Completed	Successful	Failed	Since Last Refresh	Description		
	way7_chan:inlet.1	FILE	0	NA	0	31	31	0	1	Accepts documents from files in directories		

4. Apply the *file2_channel* package to the same application, as shown in the following image.

Filter By Server Where Server	 Equals 	▼ base	
Name	Version	Creation	Description
base:iwayenvoy	2	10/28/2019 22:23	This component will register iWay Envoy.
iway7app:file2_package	1	October 29 2019	
iway7app:iway7app	1		
writable-app1:bundle	1		
writable_app2:bundle	1		
writable_app2:file2_package	1	October 29 2019	

5. Check to see that you can run the newly added channel in the iWay7 migrated application, as shown in the following image.

iWay Service Ma Server Sources Honi	nager Itoring Tools				Managen	sent way7app			C 😨 8.0.4-SNAPSHO	1.2822 out	
Honitoring Channels Monitor, start and stop application channels											
							Messag	es			
	Name	Type	State	Waiting	Active	Completed	Successful	Failed	Since Last Refresh	Description	
	file_chan2 inlet.1	1 FILE	0	NA	0	1	1	0	1	Accepts documents from files in directories	
	iway7_chan:inlet	1 FILE	•	NA	0	1	1	0	0	Accepts documents from files in directories	
										directories	

Importing iWay Applications (Deploying a Component)

1. In the iIT project for the iWay 7 application that was imported, create a new channel and deploy this channel directly into the iWay7 migrated application, as shown in the following image.

× ₩ iway7proi			Channel	Builder		
Adapters			new chann	el		
🗁 API	👌 iWay resou	urce deployment wizard				\times
✓	Way channe	l deployment				.,
> new_channel	Server Inform	nation:				
Ebixes	Server URL:	http://localhost:9000				~
Flows b iway7 flow	User Name:	iway				
> 🌣 move_new	Password:	••••				
🗁 Registers	Keystore and	d Truststore:				_
> Templates	Keystore:					\sim
≥ XML	Truststore:					\sim
> 🛱 writable_app1 > 🖏 writable_app2	Configuratio	ins: WayZapp	~	Get Cor	nfiguratio	ns

2. Navigate to the iSM Console and check that the newly deployed channel is working in the iWay7 migrated application, as shown in the following image.

Monitoring Channels	Channels Monitor, start and stop application channels									
					Messages					
	Name	Туре	State	Waiting	Active	Completed	Successful	Failed	Since Last Refresh	Description
	file_chan2 inlet 1 ii	FILE	0	NA	0	,	1	0	1	Accepts documents from files in directories
	way7_chan.inlet.1	FILE	0	NA	0	1	1	0	1	Accepts documents from files in directories
	new_channel inlet.	FILE	0	NA	0	t)	1	0	:1:	Accepts documents from files in directories