

Configuring Writable Applications

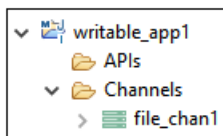
iWay applications have always been immutable, meaning once they are deployed they cannot be altered. Now, in iWay Release 8.0.4, you can mark an application as *writable*, which means components, such as flows, listeners, transforms, and so on can be added, updated, and deleted without having to restart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

This how-to includes the following topics:

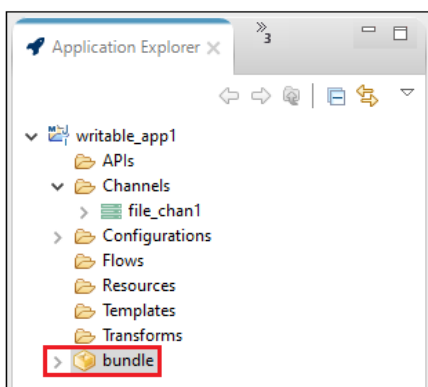
- [Initial Setup](#)
- [Adding a New Channel](#)
- [Importing iWay Applications \(Applying a Package\)](#)
- [Importing iWay Applications \(Deploying a Component\)](#)

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.

Edit Configuration

Edit configuration and launch.

Name: deploy_bundle

Main

Application:
/writeable_app1/bundle.iab Browse...

Template:
☒ Browse...
☐ Refresh

Deployment Options:
Deployment Name: bundle
Deploy as Test Server: ☐ on/off
Writable: ☒ on/off
Console Port:
Description:
Autostart Application: ☐ on/off
Autostart Timeout: 10
Server Environment:

Revert Apply Run Close

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

Management writable-app1

Server Sources Monitoring Tools

Monitoring

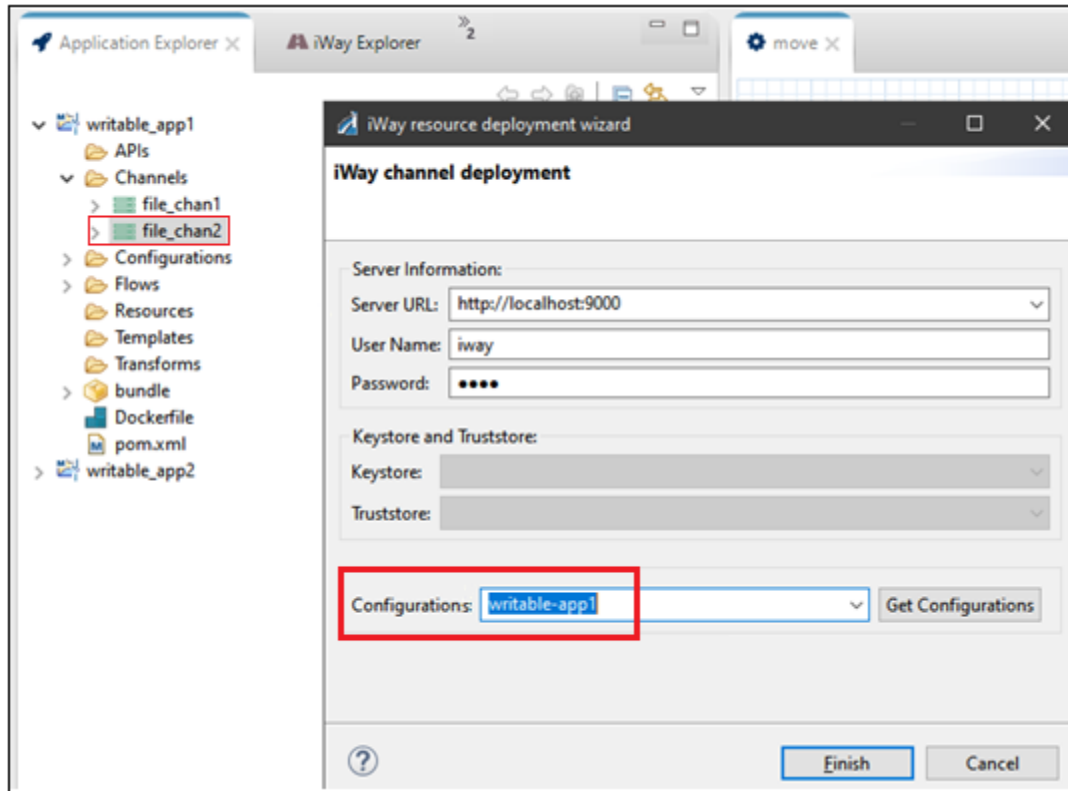
Channels

Monitor, start and stop application channels

Name	Type	State	Waiting	Messages				Since Last Refresh	Description
				Active	Completed	Successful	Failed		
file_chan1.inlet.1:fi	FILE	Active	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).



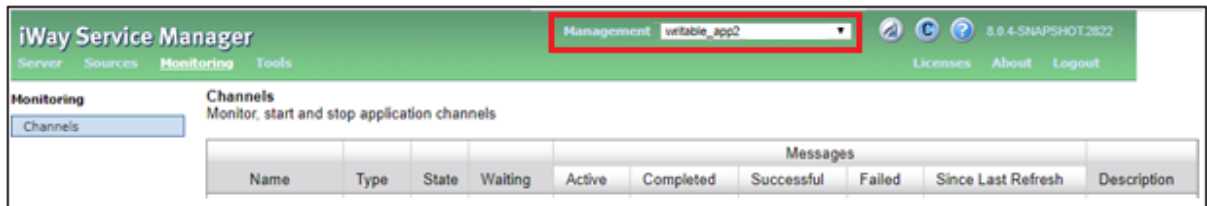
3. Navigate to the iSM Console Monitoring tab, confirm that the channel is deployed, and then start it.
4. Validate that the channel is processing data, as shown in the following image.

The screenshot shows the 'iWay Service Manager' interface with the 'Monitoring' tab selected. The 'Channels' section is active, displaying a table of application channels. The 'Management' dropdown at the top is set to 'writable-app1' and is highlighted with a red box. The 'file_chan2.inlet.1.ii' channel is highlighted with a red box in the table.

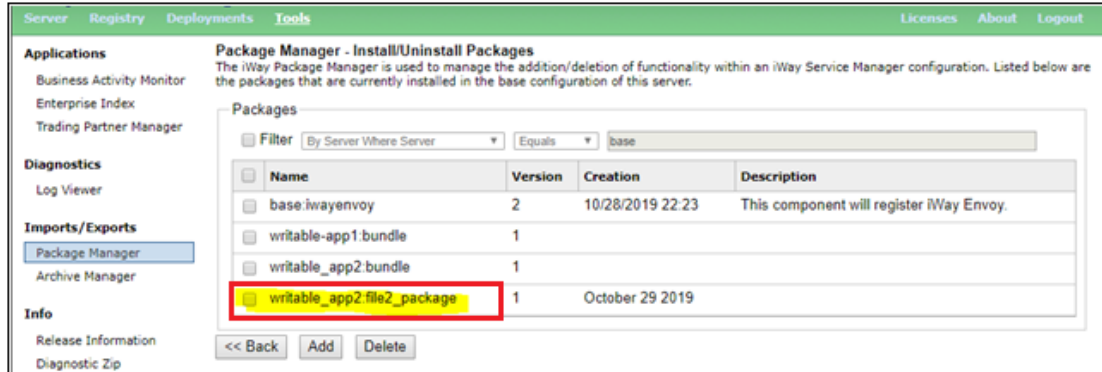
Name	Type	State	Waiting	Messages					Description
				Active	Completed	Successful	Failed	Since Last Refresh	
file_chan1.inlet.1.ii	FILE	✓	NA	0	1	1	0	0	Accepts documents from files in directories
file_chan2.inlet.1.ii	FILE	✓	NA	0	1	1	0	0	Accepts documents from files in directories

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.



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.

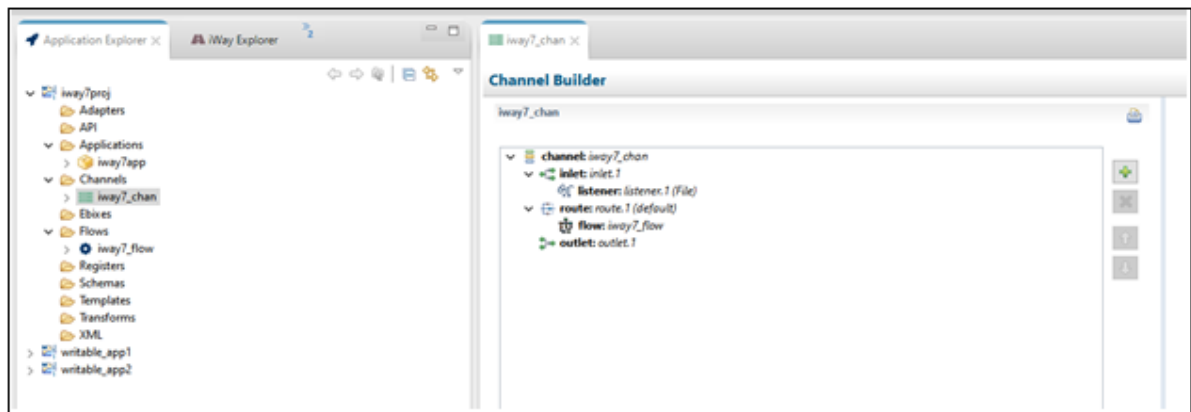


5. Navigate to the Monitoring tab for *writable_app2*, and ensure that you can start and test the channel, as shown in the following image.



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.



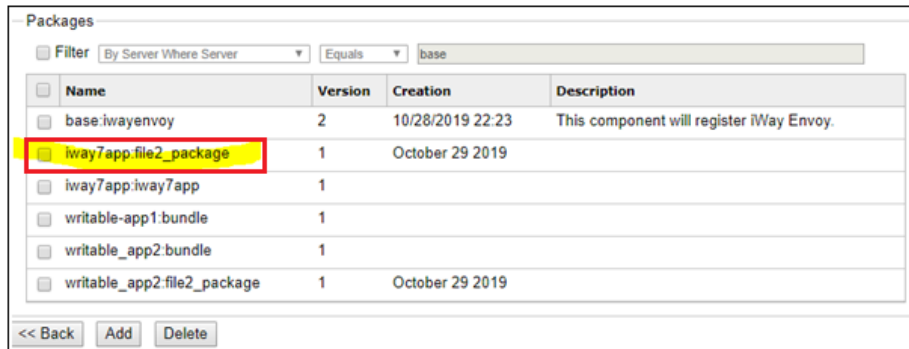
2. Deploy it as a writable application.

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

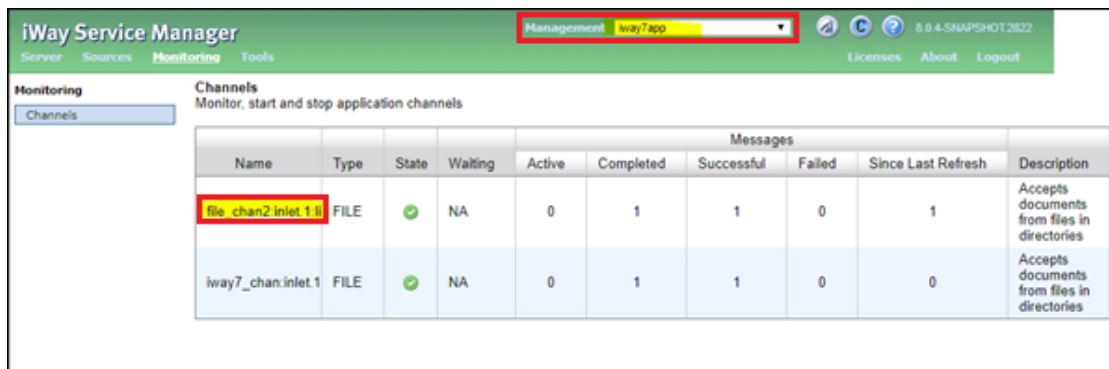
3. Start the application and check to see that it is running, as shown in the following image.



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

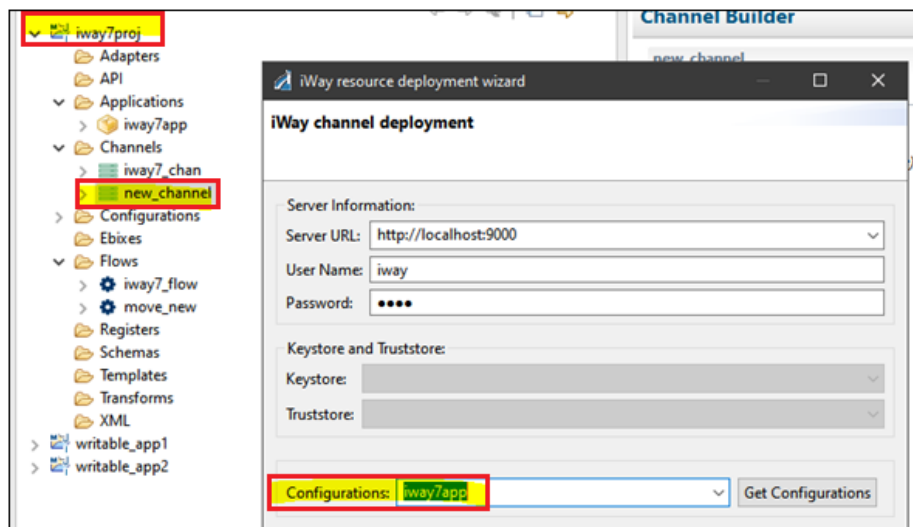


5. Check to see that you can run the newly added channel in the iWay7 migrated application, as shown in the following image.

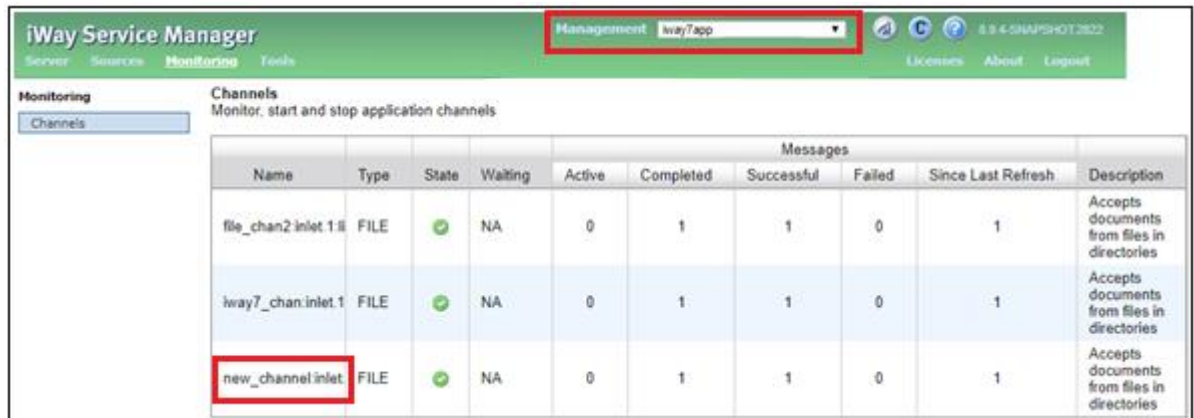


Importing iWay Applications (Deploying a Component)

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.



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.



iWay Service Manager

Management: **iWay7app**

Server Sources **Monitoring** Tools

Monitoring
Channels

Channels
Monitor, start and stop application channels

Name	Type	State	Waiting	Messages					Description
				Active	Completed	Successful	Failed	Since Last Refresh	
file_chan2.inlet.1	FILE	✓	NA	0	1	1	0	1	Accepts documents from files in directories
iway7_chan.inlet.1	FILE	✓	NA	0	1	1	0	1	Accepts documents from files in directories
new_channel.inlet	FILE	✓	NA	0	1	1	0	1	Accepts documents from files in directories