BPMN Convert User Guide

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BPMN Convert Overview

JBoss BPMN Convert module is a tool. Users can use it to translate a BPMN file to something else.

The BPMN file may be written by hands or by some editors. In this guide, we use STP BPMN editor to draw a BPMN file.

As a part of JBoss tools, this module realizes BPMN -> JPDL translation. Users can get a basic JPDL file from a BPMN file by using this module.

Translate a BPMN file to a JPDL file

In this chapter we provide you with the necessary steps to translate a BPMN file to a JPDL file.

2.1. Creating a project

Before creating a bpmn file, you should have a Project created.

Create a project by *New > Project... > Project*. Enter the following information:

• Project Name: test

E New Project	×
Project	
Create a new project resource.	
<u>P</u> roject name:	
☑ Use <u>d</u> efault location	
Location: /home/grid/workspace/runtime-New_configurat	B <u>r</u> owse
Choose file system: default	
Working sets	
Add project to working sets	
Working sets:	S <u>e</u> lect
?< <u>B</u> ackNext >Enish	Cancel

Figure 2.1. A Project

Click on the Finish button.

2.2. Creating a bpmn file by STP BPMN editor

Create a bpmn diagram file by *New > Others... > Bpmn Diagram*. Enter the following information:

• File Name: test

New Bpmn Diagram	×
Create Bpmn Diagram	
Create a new Bpmn diagram.	
Enter or select the parent folder:	
test	
🕨 🚖 test	
File na <u>m</u> e: test	
<u>A</u> dvanced >>	
	Carrel
Image: Second stateImage: Second stateImage: FinishImage: Second stateImage: Second state <td>Cancel</td>	Cancel

Figure 2.2. Create BPMN Diagram

Click on the Finish button.

Open the test.bpmn_diagram file by double-click it.

Draw the bpmn diagram using STP BPMN editor. If you do not know how to use STP BPMN editor, please go to web site: www.eclipse.org/stp to get the information about STP BPMN editor.

2.3. Exporting a bpmn file to some jpdl files

A BPMN file may include more than one pool. Every pool can be mapped to a corresponding JPDL file.

 Select 'test.bpmn' file and right-click it. Open the export wizard by Export... > BPMN Export > BPMN -> JPDL.

Export Export	2
Select	R
Export a BPMN file to JPDL	_5
<u>S</u> elect an export destination:	_
type filter text	J
👂 🗁 General	F
🗢 🗁 BPMN Export	
BPMN -> JPDL	
👂 🗁 EJB	
👂 🗁 Java	
👂 🗁 Java EE	
👂 🗁 JavaScript	
👂 🗁 Plug-in Development	
Profiling and Logging	
👂 🗁 Run/Debug	
? < <u>Back</u> <u>Next</u> > <u>Finish</u> Can	cel

Figure 2.3. BPMN Export

Click on the Next button.

• Select the BPMN file that you want to translate.

BPMN to jPDL Conversion	
BPMN Resources	
Select BPMN resources to convert	
DDMN recourses	
BPMN resources	
Settings	
🗴 test.bpmn	
⑦ < <u>B</u> ack <u>N</u> ext > Finish (Cancel
	uncer

Figure 2.4. Choose a BPMN file

Click on the Next button.

• Select the Pools of BPMN that you want to translate.

BPMN to jPDL Conversion	>
Select BPMN pools to translate	
Available BPMN Pools	
_Hv_LsF8iEd2o1sq0hz2H1Q=Pool	
Select All	Deselect A
? < <u>Back</u> <u>Next</u> > <u>Finish</u>	Cancel

Figure 2.5. Choose BPMN Pools

Click on the Next button.

• In this page, You may get error messages or warning messages that occured during the conversion. If no any messages, this page will be skipped.

BPMN to jPDL Conversion	
Conversion Warnings and Errors	
Warnings and Errors that occured during conversion	
Warnings and Errors	
Warning: The bpmn element's name is null or same to another elem	ent
<	
⑦ < <u>B</u> ack <u>N</u> ext > <u>F</u> inish Cano	el:

Figure 2.6. Show Messages

Click on the Next button.

• Select the target location to save the generated JPDL files.

BPMN to jPDL Conversion	>
Target Location	
Select the target location	
Target location	
🕨 🚍 test	
Overwrite existing resources	
⑦ < <u>B</u> ack <u>N</u> ext > <u>F</u> inish	Cancel

Figure 2.7. Target Location

• Overwrite existing resources: if you don't want to overwrite existing resources, please keep uncheck this checkbox.

Click on the Finish button.

Then the JPDL files are generated to the target location.

The generated files look like this:

ြဲ Project Explorer 🛿 🛛 🕞 😩	69	$\overline{}$	
🗢 🚖 test			
🗢 🔁 jpdl			
▽ 늗 test.bpmn			
マ 👝 test.Pool			
🔀 gpd.xml			
P processdefinition.xml			
マ 声 test.Pool.sub			
🔀 gpd.xml			
processdefinition.xml			
🖹 test.bpmn			
🔃 test.bpmn_diagram			

Figure 2.8. The Generated JPDL Files