# **Exadel Studio Migration Guide**

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# Introduction

This document is intended to help you to migrate an existing Exadel JSF or Struts projects into JBoss Developer Studio. Preferences can be exported from Eclipse 3.2.0 (3.2.1 or 3.2.2) and imported in Eclipse 3.4.x by the standard Eclipse means.

# 1.1. Key Features of Projects Migration to JBoss Developer Studio

For a start, we propose you to look through the table of main features of migrating projects to JBoss Developer Studio:

Feature	Benefit	Chapter
Import JSF Project Wizard	It simplifies the process of bringing your existing JSF applications into your JBoss Developer Studio workspace as JSF projects. The import is possible with *.war files.	project and Migration
Import Struts Project Wizard	It simplifies the process of bringing your existing Struts applications into your JBoss Developer Studio workspace as Struts projects. The import is possible with *.war files.	project and <u>Migration</u> of Struts project from

#### Table 1.1. Key Features of Project Migration to JBoss Developer Studio

## **1.2.** Other relevant resources on the topic

All JBoss Developer Studio/JBoss Tools release documentation you can find at<u>http://</u> <u>docs.jboss.org/tools</u> in the corresponding release directory.

The latest documentation builds are available at <u>http://download.jboss.org/jbosstools/nightly-docs</u>.

# **Migrate workspace**

You will not be able to run projects in JBoss Developer Studio using Exadel Studio workspace. In this case, project capabilities and settings specified in Exadel Studio will be lost. The simplest way to avoid this, is to copy your projects in JBoss Developer Studio workspace and make an import as it is described in the following chapters.

# **Migration of JSF and Struts Projects**

In this chapter you can find concise description of migration of JSF and Struts Projects.

## 3.1. JSF

JBoss Developer Studio includes an Import JSF Project Wizard that radically simplifies the process of bringing your existing JSF applications into your JBoss Developer Studio workspace as JSF projects. You just need to follow these four steps:

• Select File > Import... from the menu bar, and then select Other > JSF Project from the Import dialog box that appears.

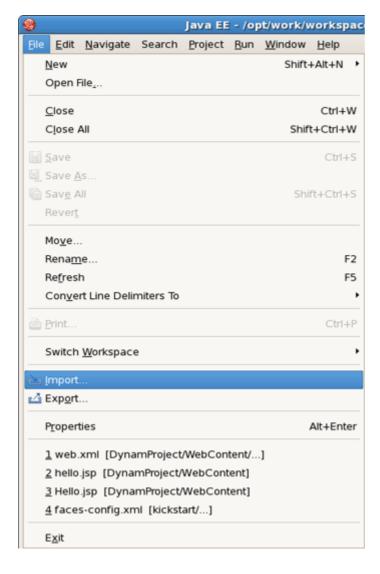


Figure 3.1. Selecting the Import Menu Item

lmport	×
Select Create a new Project from a JSF project in the file system. This does not copy the project to the workspace.	Ľ
Select an import source:	
type filter text	
<ul> <li>▷ 🗁 J2EE</li> <li>▷ ➢ Plug-in Development</li> <li>▷ ➢ Team</li> <li>▷ ➢ Web</li> <li>▷ ➢ Web services</li> </ul>	
▽ 🗁 Other	
JSF Project	
JSF Project From *.war	
S Struts Project	
Struts Project from *.war	-
⑦ < <u>Back</u> Next > Enish	Cancel

#### Figure 3.2. Selecting the Import JSF Project Wizard

 In the first screen of the wizard, select the *Change...* button next to the *web.xml Location* field. Browse to the location of the web.xml file for the application you want to import as a JSF project. Once you select it, you'll be returned to the dialog box to see a project name derived from the web.xml file you selected. You can edit this project name, if you wish.

9	Import JSF Project X
Project Location	
Please select web.x	ml location
Project Name*	kickstart
web.xml Location*	:e_jbds/kickstart/WebContent/WEB-INF/web.xml
	☑ Link
0	< Back Next > Einish Cancel

#### Figure 3.3. Selecting the Web.xml File in the Project Location Screen

• In the *Project Folders* screen, you can configure the rest of your project. Afterwards click on the *Finish* button.

On this step JBoss Developer Studio will try to determine your project structure and set the values for: *Web Root, Source Folder, Classes Folder, Lib Folder.* If your project has a custom structure, some values might not be set. If this is the case, you can manually set those values by clicking the *Change...* button.

After dealing with these settings, you have to work through a few more configuration settings. These settings deal primarily with how the project will be deployed within JBoss Developer Studio.

First, if the project you are importing is not already a JSF project, select the *Add Libraries* check box to add all the JSF-related libraries to your project.

Then, you may select the JavaServer Faces implementation (Environment) and Servlet Version.

The Context Path is the name under which the application will be deployed.

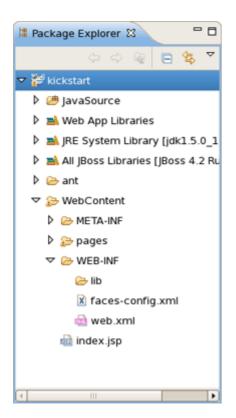
The *Runtime* value tells Eclipse where to find Web libraries in order to build the project. It is not possible to finish the importing of a project without selecting a Runtime. If you don't have any choices displayed for this, select *New...* to add a new Runtime.

Finally, *Target Server* sets the server to deploy the application under. The Target Server corresponds to the Runtime value selected above. If you don't want to deploy the application, uncheck this value.

9	Import JSF Project
Project Folders	
Select Project Fold	ders 🥥
Web Root:*	/opt/work/workspace_jbds/kickstart/WebContent
Source Folder	/opt/work/workspace_jbds/kickstart/JavaSource
Classes Folder	bace_jbds/kickstart/WebContent/WEB-INF/classes
Lib Folder	/orkspace_jbds/kickstart/WebContent/WEB-INF/lib
	Add Libraries
Environment	JSF 1.1.02 - Reference Implementation
Servlet Version:	2.4
Context Path*	kickstart
Runtime:*	JBoss 4.2 Runtime   New
Target Server:	JBoss 4.2 Server New
	Select All
	Deselect All
٢	<back next=""> Finish Cancel</back>

Figure 3.4. The Project Folders Screen

• Once the project is imported, it will appear in the Package Explorer view.



#### Figure 3.5. Imported Project in the Package Explorer View

## 3.2. Struts

• Select File > Import... from the menu bar, and then select Other > Struts Project from the Import dialog box that appears.

•	Java EE	- /0	ot/work/v	vorkspa
ile <u>E</u> dit <u>N</u> avigate Search	Project	<u>R</u> un	Window	Help
New			Shift-	Alt+N
Open File				
<u>C</u> lose				Ctrl+W
Close All			Shift	+Ctrl+W
<u>S</u> ave				Ctrl+S
Save As				
🗟 Sav <u>e</u> All			Shit	t+Ctrl+S
Revert				
Mo <u>v</u> e				
Rena <u>m</u> e				F
Refresh				FS
Con <u>v</u> ert Line Delimiters To				
Drint				Ctrl+F
Switch Workspace				
🔄 Import				
🛃 Exp <u>o</u> rt				
Properties				Alt+Ente
<u>1</u> web.xml [DynamProject	/WebCon	tent/	.]	
2 hello.jsp [DynamProject	WebCont	ent]		
<u>3</u> Hello.jsp [DynamProject	/WebCon	tent]		
4 faces-config.xml [kicks	tart/]			
Exit				

Figure 3.6. Selecting the Import Menu Item

9 Import	×
Select Create a new Project from a WEB project in the file system. Struts support will be added if it is missing.	Ľ
Select an import source:	
type filter text	
<ul> <li>j2EE</li> <li>Plug-in Development</li> <li>Team</li> <li>Web</li> <li>Web services</li> <li>Other</li> <li>JSF Project</li> <li>JSF Project From *.war</li> <li>Struts Project from *.war</li> </ul>	
⑦ < Back Next > Bnish	Cancel

#### Figure 3.7. Selecting the Import Struts Project Wizard

In the Project Location screen of the wizard, select the *Change...* button next to the *web.xml* Location field. Browse the location of the web.xml file for the application you want to import as a Struts project. Once you select it, you'll be returned to the dialog box to see a project name derived from the web.xml file you selected. You can edit this project name, if you wish.

	Import Struts Project 🛛 🗙
Project Location Please select web.xr	nl location
Project Name*	StrutsProject
web.xml Location*	ce_jbds/StrutsProject/WebContent/WEB-INF/web.xml
	V Link
0	< <u>B</u> ack <u>N</u> ext > Bnish Cancel

#### Figure 3.8. The Project Location Screen

• In the next screen, JBoss Developer Studio will try to determine your project structure. The upper pane shows the modules in this project. The lower pane allows you to edit the details of the select module. If the project structure is non-standard, some values might be left blank. You can edit any values by hand or by using the *Change...* button.

•	Import Struts Project	•
Project Mod	ules	
Configure Proj	ect Modules	QY
Name	URI	
<default></default>	/WEB-INF/struts-config.xml	
Name	<default></default>	
URI	/WEB-INF/struts-config.xml	
Path on Disk	_jbds/StrutsProject/WebContent/WEB-INF/struts-config.xml	<u>C</u> hange
Sources Path	/opt/work/workspace_jbds/StrutsProject/JavaSource	<u>C</u> hange
Web Root	/opt/work/workspace_jbds/StrutsProject/WebContent	<u>C</u> hange
0	< Back Next > Finish	Cancel

#### Figure 3.9. The Project Modules Screen

• In the *Project Folders* screen, you can configure the rest of your project. Afterwards click on the *Finish* button.

On this step JBoss Developer Studio will try to determine your project structure and set the values for: *Classes Folder*, *Lib Folder*, and *Ant Build File*. If your project has a custom structure, some values might not be set. If this is the case, you can manually set those values by clicking *Change*.

After dealing with these settings, you have to work through a few more configuration settings. These settings deal primarily with how the project will be deployed within JBoss Developer Studio.

First, if the project you are importing is not already a Struts project, select the *Add Libraries* check box to add all the Struts-related libraries to your project.

Then, you may select the Struts Environment and Servlet Version.

The *Context Path* is the name under which the application will be deployed.

The *Runtime* value tells Eclipse where to find Web libraries in order to build the project. It is not possible to finish the importing of a project without selecting a Runtime. If you don't have any choices displayed for this, select *New...* to add a new Runtime.

Finally, *Target Server* sets the server to deploy the application under. The Target Server corresponds to the Runtime value selected above. If you don't want to deploy the application, uncheck this value.

	Import Struts Project	×
Project Folders Select Project Fold		
Classes Folder	bace_jbds/StrutsProject/WebContent/WEB-INF/classes	<u>C</u> hange
Lib Folder Ant Build File	vorkspace_jbds/StrutsProject/WebContent/WEB-INF/lib	<u>C</u> hange
	Add Libraries	
Environment	Struts 1.1	•
Servlet Version:	2.3	•
Context Path*	StrutsProject	
Runtime:*	JBoss 4.2 Runtime	New
Target Server:	JBoss 4.2 Server	New
		Deselect All
0	< Back Next > Einish	Cancel

#### Figure 3.10. The Project Folders Screen

• Once the project is imported, it will appear in the Package Explorer view.

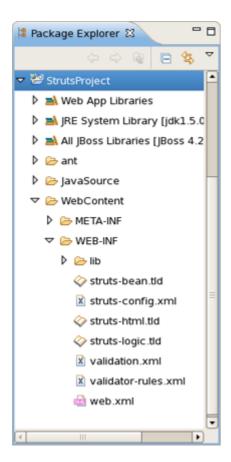


Figure 3.11. Imported Project in the Package Explorer View

# Migrate JSF and Struts projects from \*.war file

After you familiarized oneself with last chapter you can read this chapter. It looks as if you read in last chapter.

## 4.1. JSF

 Select File > Import... from the menu bar, and then select Other > JSF Project From \*.war from the Import dialog box that appears.

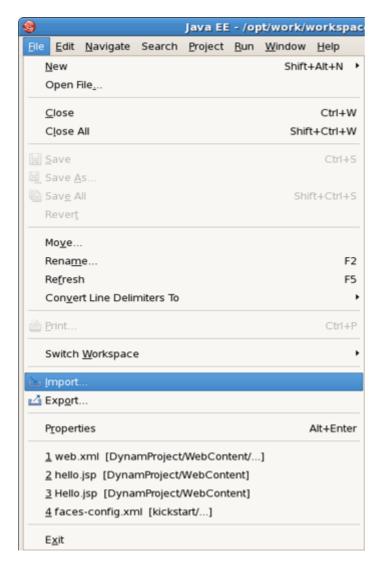


Figure 4.1. Selecting the Import Menu Item

#### Chapter 4. Migrate JSF and Struts projects from \*.war file

import	
ielect	×
Create a new Project from a JSF project in a WAR file. The content of WAR file will be copied to the workspace.	
Select an import source:	
type filter text	
Þ 🗁 J2EE	-
Plug-in Development	
👂 🗁 Team	-
🕨 🗁 Web	
Web services	
▽ 🗁 Other	=
3 JSF Project	
JSF Project From *.war	
S Struts Project	
Struts Project from *.war	
(?) < Back Next > Enish	Cancel
Text Finan	cancer

#### Figure 4.2. Selecting the JSF Project From \*.war Import Wizard

In the wizard screen, select the *Change...* button next to the \*.war Location field. Browse to
the location of the \*.war file for the application you want to import as a JSF project. Once you
select it, you'll be returned to the dialog box to see a project name derived from the \*.war file
you selected. You can edit this name, if you wish.

Uncheck the Use Default Path check box if you want to import your project outside of the Eclipse workspace. In this case, you would use *Change...* button next to the *Location* field to choose a location.

Context Path is the name under which the application will be deployed.

The *Runtime* value tells Eclipse where to find Web libraries in order to build the project. It is not possible to finish project import without selecting Runtime. If you don't have any options here, select *New...* to add a new Runtime.

Finally, *Target Server* sets the server to deploy the application under. The Target Server corresponds to the Runtime value selected above. If you don't want to deploy the application, uncheck this value.

	Import JSF Project	
SF project		
Select *.war file		699
		-
*.war Location:*	/opt/work/workspace_jbds/kickstart/kickstart.war	<u>C</u> hange
Name:*	Kickstart	
	☑ Use Default Path	
Location:*	/opt/work/workspace_jbds/Kickstart	Change
Context Path*	Kickstart	
Runtime:*	JBoss 4.2 Runtime	New
Target Server:	JBoss 4.2 Server	New
		Select All
		Deselect All
(?)	< Back Next > Finish	Cancel

#### Figure 4.3. The JSF Project From \*.war Import Wizard

• Click on the *Finish* button.

## 4.2. Struts

• Select *File > Import...* from the menu bar, and then select *Other > Struts Project From \*.war* from the Import dialog box that appears.

٠				Java EE	- /0	ot/work/v	vorkspa
ile	<u>E</u> dit	<u>N</u> avigate	Search	<u>P</u> roject	<u>R</u> un	<u>W</u> indow	Help
N	lew					Shift-	+Alt+N
(	Open I	File <u>.</u>					
<u>(</u>	lose						Ctrl+V
0	Close	All				Shif	t+Ctrl+V
5	ave						Ctrl+
<u>]</u> s	Save A	<u>\</u> s					
8	Sav <u>e</u> A	AII				Shi	ft+Ctrl+S
F	Reverţ						
Ν	4o <u>v</u> e	-					
F	Rena <u>m</u>	<u>1</u> e					F
	Refres						FS
0	Con <u>v</u> e	rt Line Delii	miters To				
è E	rint						Ctrl+i
S	Switch	<u>W</u> orkspace	e				
u l	mport						
<u>4</u> E	xp <u>o</u> rt						
P	roper	ties					Alt+Ente
1	1 web.xml [DynamProject/WebContent/]					.]	
2	<u>2</u> hello	.jsp [Dyna	mProject/	WebCont	ent]		
3	8 Hello	.jsp [Dyna	mProject/	WebCont	ent]		
	face	s-config.xn	nl [kickst	art/ 1			
4	tace	s-coning.xn	in frickar	ar oʻj			

Figure 4.4. Selecting the Import Menu Item

B Import	×
Select Create a new Project from a Struts project in a WAR file. The content of WAR file will be copied to the workspace.	Ľ
Select an import source:	
type filter text	
<ul> <li>j2EE</li> <li>Plug-in Development</li> <li>Team</li> <li>Web</li> <li>Web services</li> <li>Other</li> <li>JSF Project</li> <li>JSF Project From *.war</li> <li>Struts Project</li> </ul>	
Struts Project from *.war	~
< Back	Cancel

Figure 4.5. Selecting the Struts Project From \*.war Import Wizard

• Follow the same steps as with the JSF Project From \*.war import wizard.

	Import Struts Project	
s <b>truts project</b> Select *.war file		0
*.war Location:*	/opt/work/workspace_jbds/StrutsProject/StrutsProject.war	Change
Name:*	StrutsProject	
	🗹 Use Default Path	
Location:*	/opt/work/workspace_jbds/StrutsProject	<u>C</u> hange
Context Path*	StrutsProject	
Runtime:*	JBoss 4.2 Runtime	New
Target Server:	JBoss 4.2 Server	New
		Select All
		Deselect All

#### Figure 4.6. The Struts Project From \*.war Import Wizard

• Click on the *Finish* button.

The migration process is completed

If there's anything we didn't cover or you can't figure out, please feel free to visit our <u>JBoss</u> <u>Developer Studio Users Forum</u> or <u>JBoss Tools Users Forum</u> to ask questions. There we are also looking for your suggestions and comments.