Exadel Studio Migration Guide

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PDF version

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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 3.3 by the standard Eclipse means.

1.1. Other relevant resources on the topic

All JBoss Developer Studio/JBoss Tools documentation you can find here.

The latest documentation builds are available *here*.

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

🛞 Import	×
Select Create a new Project from a JSF project in the file system. This does not copy the project to the workspace.	è
Select an import source:	
type filter text	
 J2EE Plug-in Development Team Web Web services Other 	
JSF Project JSF Project From *.war S. Struts Project S. Struts Project from *.war	
② < Back 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.

8	Import JSF Project	×
Project Location Please select web.xr	ml location	
Project Name*	kickstart	
web.xml Location*	e_jbds/kickstart/WebContent/WEB-INF/web.xml	<u>C</u> hange
	🗹 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 Fol	ders 🚳	
Web Root:*	/opt/work/workspace_bds/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 A	
	Deselect	All
0	< <u>Back</u> Next > Einish Cance	

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.

٠				Java EE	- /oj	t/work/v	vorkspac
<u>E</u> le <u>E</u>	dit	<u>N</u> avigate	Search	<u>P</u> roject	<u>R</u> un	<u>W</u> indow	<u>H</u> elp
Nev	w					Shift-	⊦Alt+N ▸
Ope	en F	ile					
<u>C</u> lo	se						Ctrl+W
Clo	se A	All				Shif	t+Ctrl+W
Sav	/e						Ctrl+S
🗒 Sav	ve <u>A</u>	s					
🕼 Sav	/ <u>e</u> A	11				Shi	ft+Ctrl+S
Rev	/er <u>t</u>						
Moy	<u>v</u> e						
Ren	1a <u>m</u>	e					F2
Ref	resh	ı					F5
Cor	n <u>v</u> er	t Line Delii	miters To				•
👜 <u>P</u> rin	nt						Ctrl+P
Swi	itch	<u>W</u> orkspace	e				•
<u>ک ا</u> mp	oort.						
🛃 Exp	o <u>o</u> rt.						
Pro	pert	ies					Alt+Enter
1 w	/eb.>	xml [Dyna	amProject	/WebCon	tent/	.]	
<u>2</u> h	ello.	jsp [Dyna	mProject/	WebCont	ent]		
<u>3</u> H	lello.	jsp [Dyna	mProject/	WebCont	tent]		
<u>4</u> fa	aces	-config.xn	nl [kickst	art/]			
Exit	t						

Figure 3.6. Selecting the Import Menu Item

Select Create a new Project from a WEB project in the file system. Struts support will be added if it is missing. Select an import source: ype filter text	Import	b
Create a new Project from a WEB project in the file system. Struts support will be added if it is missing. Select an import source: Select an import source: ype filter tex: > @ J2EE > @ Plug-in Development > @ Team > @ Web > @ Web services > @ Other] JSF Project] JSF Project From *.war Struts Project from *.war	Select	
Select an import source: ype filter tex:	Create a new Project from a WEB project in the file system. Struts support will be added if it is missing.	
Image: system state sta	Select an import source:	
 j2EE Plug-in Development Team Web Web services Other JSF Project JSF Project From *.war Struts Project from *.war 	type filter text	
 Plug-in Development Team Web Web services Other JSF Project JSF Project From *.war Struts Project Struts Project from *.war 	▷ ▷ J2EE	-
 Team Web Web services Other JSF Project JSF Project From *.war Struts Project Struts Project from *.war 	Plug-in Development	
 Web Web services Other JSF Project JSF Project From *.war Struts Project Struts Project from *.war 	👂 🗁 Team	-
 Web services Other JSF Project JSF Project From *.war Struts Project Struts Project from *.war 	🕨 🗁 Web	
 Other JSF Project JSF Project From *.war Struts Project Struts Project from *.war 	Web services	
	▽ 🗁 Other	
	1 JSF Project	
S Struts Project from *.war	JSF Project From *.war	
S Struts Project from *.war	S Struts Project	
	Struts Project from *.war	*
(7) < Back Next > Binish Cancel	⑦ < Back Next > Enish C	ancel

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.

9	Import Struts Project 🛛 🗙
Project Location Please select web.xi	ml location
Project Name*	StrutsProject
web.xml Location*	ce_jbds/StrutsProject/WebContent/WEB-INF/web.xml
	☑ Link
0	< Back Next > Enish 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.

9	Import Struts Project
Project Mod Configure Proj	ect Modules
Name	URI
<default></default>	/WEB-INF/struts-config.xml
Name	<default></default>
JRI	/WEB-INF/struts-config.xml
Path on Disk	_jbds/StrutsProject/WebContent/WEB-INF/struts-config.xml
Sources Path	/opt/work/workspace_jbds/StrutsProject/JavaSource
Web Root	/opt/work/workspace_jbds/StrutsProject/WebContent
0	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish 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.

9	Import Struts Project	×
Project Folders Select Project Fold	ders	
Classes Folder	bace_jbds/StrutsProject/WebContent/WEB-INF/classes	Change
Lib Folder Ant Build File	vorkspace_jbds/StrutsProject/WebContent/WEB-INF/lib	<u>C</u> hange
Environment	Add Libraries Struts 1.1	\$
Servlet Version:	2.3	•
Context Path*	StrutsProject	
Runtime:*	JBoss 4.2 Runtime	New
Target Server:	☑ JBoss 4.2 Server	New Select All
		Deselect All
0	< <u>B</u> ack <u>N</u> ext > <u>Finish</u>	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

😌 Import	×
Select Create a new Project from a JSF project in a WAR file. The content of WAR file will be copied to the workspace.	Ľ
<u>S</u> elect an import source:	
type filter text	
 J2EE Plug-in Development Team Web Web services Other JSF Project SF Project From *.war 	=
S Struts Project	
S Struts Project from *.war	~
Image: Comparison of the second se	Cancel

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	
5F 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
0	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish	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.

9				Java EE	- /oj	t/work/v	vorksp	ac
<u>E</u> lle <u>E</u>	dit	<u>N</u> avigate	Search	<u>P</u> roject	<u>R</u> un	<u>W</u> indow	Help	
Nev	w					Shift-	+Alt+N	٠
Op	en F	ile						
<u>C</u> lo	se						Ctrl+\	w
Clo	se A	411				Shif	t+Ctrl+\	W
Sav	ve						Ctrl+	s
🗒 Sav	ve <u>A</u>	.s						
🕼 Sav	v <u>e</u> A	II				Shi	ft+Ctrl+	S
Rev	ver <u>t</u>							
Mo	<u>v</u> e							
Rer	na <u>m</u>	je					F	2
Ref	rest	h					F	5
Cor	n <u>v</u> e	rt Line Deli	miters To					•
👜 <u>P</u> rin	nt						Ctrl+	P
Swi	itch	<u>W</u> orkspac	e					٠
imp 🗠	port.							
📥 Exp	p <u>o</u> rt.							
Pro	pert	ties					Alt+Ente	er
<u>1</u> w	veb.	xml [Dyna	amProject	/WebCon	tent/	.]		
<u>2</u> h	ello	.jsp [Dyna	mProject/	WebCont	ent]			
<u>3</u> H	lello	.jsp [Dyna	mProject/	WebCont	tent]			
<u>4</u> fa	aces	s-config.xr	nl [kickst	art/]				
Exi	t							

Figure 4.4. Selecting the Import Menu Item

Import	
elect	
Create a new Project from a Struts project in a WAR file. The content of WAR ile will be copied to the workspace.	
Select an import source:	
type filter text	
J2EE	-
Plug-in Development	
🕨 🗁 Team	-
🕨 🗁 Web	
Web services	
	=
1 JSF Project	
1 JSF Project From *.war	
S Struts Project	_
Struts Project from *.war	
CRack Next > Einich	Cancel
	Cancer

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

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

9	Import Struts Project 🛛 🗙
Struts project Select *.war file	
.war Location:	/opt/work/workspace_jbds/StrutsProject/StrutsProject.war
Name:*	StrutsProject
	☑ Use Default Path
Location:*	/opt/work/workspace_jbds/StrutsProject
Context Path*	StrutsProject
Runtime:*	JBoss 4.2 Runtime New
Target Server:	✓ JBoss 4.2 Server
	Select All Deselect All
0	< <u>B</u> ack <u>Next</u> <u>Finish</u> Cancel

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

• Click on the *Finish* button.

The migration process is completed