New Seam Project with JBoss Tools

Prerequisites

You will need access to a Seam run time in order to create the new project. The Seam download from Open logic contains the required run time along with supporting Jar dependencies. These directions are based on the Binary version of the 2.2.0.GA version of Seam. Once the file has been downloaded, unzip it someplace where you can find it.

Directions

- 1. Switch to the Seam perspective in RAD.
- 2. File -> New -> Seam web project
- 3. We need to create a new WAS Run time in order for server to be available in wizard then create a new server from the newly created Run time. (Note: This step only seems to be required once per a workspace.)
 - a. From the New Seam Project Dialog box select New ... next to Target Runtime

New Seam Project	
eam Web Project	ant
Create standalone Seam Web Project	
Project name:	
Contents	
🔽 Use default	
Directory: C:\WorkspacesRAD75\SEAMTemp	Browse,
Target Runtime	
WebSphere Application Server v7.0	New
Dynamic Web Module version	
2.5	<u> </u>
Target Server	
	▼ New
Configuration	
Dynamic Web Project with Seam 2.1	Modify
Configures a Dynamic Web application to use Seam v2.	1
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b. From the New Server Runtime Dialog box select WAS 7.0, make sure the Create a new local server box is checked and click the <u>Next ></u> button.

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Z <u>Greate a new local server</u>			
		Create a new local server	
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2) Z Pack Most > Disich (h I Cancel		
	Cancer		Finish Consol

ningful and enter the WAS Runtime directory. ng on your installation.) Click Next \geq c. In (Sor

New Server Runtime Environment	- 0 2
VebSphere Application Server Runtime Environment Specify the WebSphere Application Server installation directory.	
Na <u>m</u> e:	
WebSphere Application Server v7.0 (SEAM)	
Installation directory:	
C:\Program Files\IBM\SDP75\runtimes\base_v7	Browse
⑦ < Back Next > Einish	Cancel

d. On the third New Server Runtime Dialog Box select a profile name. (Personally I used a profile which is different than the one I use for PAWS, it just seemed safer.) Click Finish

New Server Runtime	Environmen	t	
WebSphere Applicat	ion Server	Settings	
Input settings for connect Server.	ing to an exist	ing WebSphere App	olication
Profile name:	was70pro	file6	
	1	_	-1
Server connection type	s and administ	rative ports	
Automatically deterr	nine connectio	n settings	
C Manually provide co	nnection settin	igs	
Connection Type	Port	Default port	Description
IPC IPC	9638	9633	Recommended for lo
RMI	2821	2809	Designed to improve
M SOAP	8892	8880	Designed to be more
🔽 Run server with resou	urces within the	e <u>w</u> orkspace	
Security is enabled on	this server		
Current active authe	ntication setti	nas:	
User <u>I</u> D;		-	
Password			
Application server name:	server1		
Test Connection			

4. Now we're back on the New Seam Project Dialog box and there is a Choice in the Target Server box. Fill in the rest of the information and continue by clicking <u>Next ></u>

New Seam Project			
eam Web Project			am
Treate standalone Seam Web Project			1
Project name: HelloWorld			
Contents			
🔽 Use default			
Directory: C:\WorkspacesRAD75\SEAMTemp\H	elloWorld		Browse
Target Runtime			
WebSphere Application Server v7.0 (SEAM)			▼ <u>Ne</u> w
Dynamic Web Module version			
2.5			•
Target Server			n and the
WebSphere Application Server v7.0 at localhost	(2)		▼ New
Configuration		 	
Dynamic Web Project with Seam 2.2			Modify
Configures a Dynamic Web application to use Se	am v2.2		

5. Keep the defaults and click $\underline{Next} \ge$ on the Web Module dialog box.

6. Keep the defaults and click <u>Next ></u> on the JSF Capabilites dialog box.

SF Capabilities Add JSF capabilities to I	his Web Project	
JSF Libraries:	C Server Supplied JSF I ⊙ JSF implementat ▼ ☑ Deploy	New
JSF <u>C</u> onfiguration File:	/WEB-INF/faces-config.xml	
JSF <u>S</u> ervlet Name:	Faces Servlet	
JSF Servlet C <u>l</u> assname:	javax.faces.webapp.FacesServlet	
URL Mapping Patterns:	*.seam	<u>A</u> dd <u>R</u> emove
		Remov

- 7. On the Seam Facet Dialog box:

 - a. In the General section, ff there are no Seam Runtime choices available in the drop down box click the <u>Add...</u> button.
 b. In the Runtime dialog box, click the <u>Browse...</u> button and navigate to the Runtime which was downloaded and unzipped in the prerequisites. Click <u>Ok</u>, then click <u>Finish</u> (2.2 should be the value in Version drop down box.)

E 🗁 openlogic-iboss-seam-2.2.0.GA-all-bin-1	
□ □ iboss-seam-2.2.0.GA	-
🗉 🧰 bootstrap	
🗉 🚞 build	
🕀 🚞 classes	
🗉 🧰 doc	
표 🚞 examples	
🗉 🧰 extras	
🗉 🧰 lib	
🗄 🧰 seam-gen	
🗄 🧰 src	

- 8. Now you should be back on the Seam Facet Dialog box and there should be a choice under Seam Runtime.
 - a. Select **Derby** for the database type.
 - b. Select Derby Sample Connection for the Connection Profile.
 - c. Adjust the packages as appropriate (Subbing in your project name for "helloseam"
 - d. Click Einish

New Seam Project				
Seam Facet Configure Seam Facet Settings				
General Seam Runtime: jiboss-seam-2 Deploy as: C WAR (•	2.2.0.GA			▼ _ Add
Database Database Type: Connection profile: Database Schema Name: Database Catalog Name: DB Tables already exists in da Berreate database tables and	Derby Derby Sample	Connection		Edit New
Code Generation Session Bean Package Name: Entity Bean Package Name: Test Package Name:	edu.psu.ais.helloseam.session edu.psu.ais.helloseam.entity edu.psu.ais.helloseam.test			
2		< Back	Notes IF	

9. After a couple minutes your workspace should have several projects and look approximately like this (The error is OK and will be handled in the Set JBoss Tools Seam project for WebSphere 7.0.):

