These instructions are for windows, but it should pretty much be the same on linux.

1. Download JbossIDE-2.0.0-Beta2-Bundle-win32.zip



2. Download jbossesb-4.0GA-bundle.zip

🕹 JBoss.ORG - Mozilla Firef	fox							
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http://labs.jboss.com/file-access/de	efault/members/jbossesb/downloads/4.0G/	A/binary/jbossesb-4.0GA-bundle.zip						▲ .;;

- Create a <u>c:\tmp</u> directory
 unzip jbossesb-4.0.GA-bundle.zip in this directory

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5. run ant install from the <u>C:\tmp</u>\install directory

```
- 🗆 🗙
  /cygdrive/c/tmp/install
                                          /cygdrive/c/tmp
                                                                                                                                                                                                                                                                                    ٠
      cd install/
<mark>kstam@kstam /cygdrive/c/tmp/install</mark>
$ ant install
Buildfile: build.xml
check.is.bundle:
install.jboss:
                  [echo] This task creates a ready-to-go JBossESB install deployed in /JBoss-
 4.0.5.GA (on the root
                  [echo]
                                                                                  of your file system) if you have downloaded the bundle.
               [unzip] Expanding: C:\tmp\jboss-4.0.5.GA.zip into
 install:
build.sar:
             ld.sar:
  [echo] Building JBoss ESB sar file
  [mkdir] Created dir: C:\tmp\lib\jbossesb.sar\META-INF
  [mkdir] Created dir: C:\tmp\lib\jbossesb.sar\META-INF
  [copy] Copying 1 file to C:\tmp\lib\jbossesb.sar
  [copy] Copying 5 files to C:\tmp\lib\jbossesb.sar
  [copy] Copying 3 files to C:\tmp\lib\jbossesb.sar
  [echo] Building JBoss ESB dependencies sar file
  [mkdir] Created dir: C:\tmp\lib\jbossesb-dependencies.sar
  [mkdir] Created dir: C:\tmp\lib\jbossesb-dependencies.sar\META-INF
  [copy] Copying 1 file to C:\tmp\lib\jbossesb-dependencies.sar\META-INF
  [copy] Copying 1 file to C:\tmp\lib\jbossesb-dependencies.sar
  [copy] Copying 2 files to C:\tmp\lib\jbossesb-dependencies.sar
  [copy] Copying 2 files to C:\tmp\lib\jbossesb-dependencies.sar
 jboss.config.check:
jboss.config.deploy:
                 config.deploy:

[copy] Copying 1 file to c:\jboss-4.0.5.GA\server\default\conf

[copy] Copying 1 file to c:\jboss-4.0.5.GA\server\default\data\hypersonic

[copy] Copying 1 file to c:\jboss-4.0.5.GA\server\default\deploy
jboss.sar.all.deploy:
                  [copy] Copying 31 files to c:\jboss-4.0.5.GA\server\default\deploy
[copy] Copying 9 files to c:\jboss-4.0.5.GA\server\default\deploy
deploy:
BUILD SUCCESSFUL
Total time: 20 seconds
   stam@kstam /cygdrive/c/tmp/install
```

This creates a jboss-4.0.5.GA directory with JBossESB deployed on JBossAS-4.0.5

6. Unzip the jbossIDE-bundle to $\underline{C:}$. It should create a $\underline{C:}$ directory

😂 eclipse			
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Address 🛅 C: \eclipse			💙 🄁 Go
File and Folder Tasks	configuration	features	
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Other Places	eclipseproduct ECLIPSEPRODUCT File 1 KB	edipse.exe	
 Local Disk (C:) My Documents Shared Documents 	eclipse.ini Configuration Settings 1 KB	epl-v10.html HTML File 17 KB	
 My Computer My Network Places 	notice.html HTML File 7 KB	Startup.jar Executable Jar File 33 KB	
Details 🛞			

7. Create shortcut to it with target: C:\eclipse\eclipse.exe -vmargs -Xms256m -Xmx512m -X:MaxPermSize=128M

Shortcut to ecl	ipse.exe Properties					
General Shorton	ut Compatibility					
s s	nortcut to eclipse.exe					
Target type:	Application					
Target location:	eclipse					
<u>T</u> arget:	C:\eclipse\eclipse.exe -vmargs -Xms256m -Xmx5					
<u>S</u> tart in:	C:\eclipse					
Shortcut key:	None					
<u>R</u> un:	Normal window					
Comment:						
<u>F</u> ind	Target Change Icon Advanced					
	OK Cancel <u>A</u> pply					

Note that the '-X:MaxPermSize=128M', eclipse used to crash a lot for me without it.

8. Start eclipse from the shortcut. Set your workspace to C:\eclipse\workspace

🚺 Worksp	ace Launcher					
Select a w	orkspace					
JBossIDE for Eclipse stores your projects in a folder called a workspace. Choose a workspace folder to use for this session.						
Workspace:	C: \ecilpsel\workspace					
Use this a	as the default and do not ask again OK Cancel					

9. Create a new java project called jbossesb

🚺 New Project				
Select a wizard Create a Java project				
<u>W</u> izards:				
type filter text				
Java Project Java Project fro Plug-in Project Plug-in Project CVS CVS CVS Eclipse Modeling CVS Elipse Modeling CVS CVS	om Existing Ant Buildfile g Framework			
Java - JBossIDE for Eclipse	Project Run Window Help			
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	0 errors, 0 warnings, 0 infos Description A	Resource	Path	Location
	<			
i ∏♦ jbossesb		8		

10. Import the jbossesb sample like this:



Import from directory	
Select a directory to import from.	
 Desktop My Documents My Computer Cocal Disk (C:) Co	222 00 ngs
 Eclipse i386 im jbosses-4.0.5.GA im jbossesb-4.0.GA im Program Files im SAV 	File system Import resources from the local file system.
	From directory: C:\tmp Browse Image: map Image: Contributors.txt Image: Contributors.txt Image: Image: Market control of the cont
Folder: tmp Make New Folder	Filter Types Select All Deselect All Into folder: jbossesb Browse Options Options Options Opticate complete folder structure Oreate complete folder structure Ocreate selected folders only
	⑦ < Back Next > Finish Cancel

In resource perspective it now looks like



Add the following jars to your classpath

Properties for jbosses	b	
 type filter text Info BeanInfo Path Builders FreeMarker Context Hibernate Settings Java Build Path Java Code Style Java Compiler Javadoc Location Packaging Configurations Profile Compliance and Va Project References Server Task Tags Validation XDoclet Configurations 	Java Build Path Source Projects Libraries Order a JARs and class folders on the build path: jbossall-client.jar - jbossesb/lib/ext Jbossell-client.jar - jbossesb/lib/ext jbossesb-listeners.jar - jbossesb/lib Jbossesb-listeners.jar - jbossesb/lib jbossesb-rosetta.jar - jbossesb/lib Jbossesb-services.jar - jbossesb/lib jbossesb-services.jar - jbossesb/lib JBE System Library [jdk1.5.0_10]	<pre></pre>
0		OK Cancel

and add the quickstart/helloworld folder a source folder:



Now add a server configuration:

Right click in the 'server view' window and add a new server:

Sy Sy Sy re	<pre>stem.out.println("&&&&&&&& stem.out.println("\nBody: stem.out.println("\n&&&&& turn message;</pre>	66666666666666666666666666666666666666	&&&&&&&&&&"); y().getContents())); &&&&&&&&&&&&*");	
3				
Problems Javadoc Decla	iration 👹 JBoss Server View 🗙			
Server	Status	State		
		New	Server	
		Add and Remove Project	ts	

Set the name to jbossesb, and set the home directory to <u>C:\jboss-4.0.5.GA</u>

Kew Server				
Create a new JBoss Server Runti	me			
Name (unique identifier)				
jbossesb				
Home Directory				
C:\jboss-4.0.5.GA				Browse
JRE				
jdk1.5.0_10			× (Installed JREs
Configuration				
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New Server					×
Define a New Se Choose the type of se	rver erver to create				
Server's <u>h</u> ost name: Select the <u>s</u> erver typ	localhost e:		Don't s	see vour server li	sted? Click here
Apache Apache Apache BEA System IBM Boss JBoss JBoss v JBoss Inc JBoss Inc JBoss A JBoss A Description: JBoss Ap	IS 3.2.3 4.0 S 3.2 S 4.0 pplication Server 4.0			View By: Vendo	r
0		< <u>B</u> ack	<u>N</u> ext >	Einish	Cancel

Click next, and then finish and see the jbossesb in your server view



Right click on the jbossesb server and select 'open'

🚺 Java - jbossesb - JBossIDE for Eclipse		
<u>Eile E</u> dit <u>N</u> avigate Se <u>a</u> rch <u>P</u> roject <u>R</u> un <u>W</u> indow	Help	
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Click on 'Open Launch Configuration

Properties	for jbossesb	×
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	Variables	
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⊙ Defa <u>u</u> lt: ○ Ot <u>h</u> er:	C:\edipse Workspace File System Variables	
	Apply Revert	
0	OK Cancel	

Oreperties	for jbossesb
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-Xmx256M	
	Variables
⊙ Default: ○ Ot <u>h</u> er:	C:\edipse Workspace File System Variables
	Appl <u>y</u> Re <u>v</u> ert
0	OK Cancel

Add -Xmx256M in the VM arguments

Goto to the source tab and click 'add'

Add Source	×
Select the type of source to add to the source I Source folders in a Java Project	ookup path 🕂 📘
 Archive External Archive File System Directory Java Classpath Variable Java Library Java Project Workspace Folder 	
0	OK Cancel

Select the jbossesb project

Project Selection
Choose project(s) to add:
🗹 😂 jbossesb
Select All
✓ Add exported entries of selected projects.
Add <u>r</u> equired projects of selected projects.
OK Cancel

Now click the little bug to start the server and see the log start scrolling by:

🚺 Java - jbossesb - JBossIDE for Eclipse		
<u>Eile E</u> dit <u>N</u> avigate Se <u>a</u> rch <u>P</u> roject <u>R</u> un <u>W</u> indow	Help	
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samples/quickstarts/helloworld/src	✓ General Automatic Publishing	
uickstart.helloworld	Specify the host name and other common settings.	
duickstart.helloworld.test	Server name: jbossesb	
IDE System Library [jdk1.5.0_10]	Host name: localhost	
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	prosess (buss application server) c. program new paya quarity of print quark and the first print of the service = DataSourceService = DataSourceSe	nding,name=JBossESBDS' to JNDI 🔨
	17:25:58,448 INFO [ConfigurationControllerService] starting message configuration controller with co	nfig file jbossesb.xml
	17:25:58,479 INFO [ConfigurationController] loading configuration	
	17:25:58,792 INFO [ParamFileRepository] Setting parameter repository root dir to [C:\jboss-4.0.5.GA\	bin\.].
	17:26:01,307 INFO [Generator] Serializing ESS Aware Listener - Conligited: Conligitation to [C:/jboss- 17:26:01,339 INFO [Generator] Serializing ESS Gateway 'ConfigTree' configuration to [C:/jboss-4.0.5.	GA\server\default\conf\ibosses
	17:26:01,354 INFO [ConfigurationController] Parameter reload completed.	
	17:26:01,401 INFO [ConfigurationController] Configuration Controller instance started.	
	17:26:02,073 INFO [ConnectionFactoryBindingService] Bound ConnectionManager 'jboss.jca:service=Conne	ctionFactoryBinding,name=JmsXA
	1/126:02,245 INFO [IomcatDepLoyer] depLoy, ctxFatn=/jmm.console, warUrl=/depLoy/jmx-console.war/ 17:26:03 970 INFO [Server] JBase (MX MicroKarnel) [4 0.5 GL (huild: CVSTacFarnch 4 0 date=200610152	339)] Started in 1m.48e.850me
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JBossESB is now up and running :).

Java - ibossesb - JBossIDE for Eclin	ose		
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Now we want to deploy helloworld. Let's add the 'ant view'

Right click in the new 'Ant' panel on the right and select add build file. Select the helloworld/build.xml

🚺 Buildfile Selection	
Choose the buildfiles to add:	
 ⇒ jbossesb ⇒ install ⇒ issall ⇒ issall ⇒ issamples ⇒ quickstarts ⇒ aggregator ⇒ business_service ⇒ issand ⇒ fun_cbr ⇒ helloworld ⇒ helloworld ⇒ jbossesb.xml ⇒ jbossesb-properties.xml 	
log4j.xml log4j.xml	•
ОК С	Cancel

Also open the same build.xml in your editor and remove line 28:

<fileset dir="\${basedir}/lib" includes="*jar"/> There is no such directory.



In the compile target add: debug="true" to make sure debugging works

```
<target name="compile" depends="prepare">

<javac srcdir="${src.dir}"

debug="true"

destdir="${build.dir}">

<classpath refid="classpath"/>

</javac>

</target>
```

Now you if you followed the same defaults you can leave the quickstart.properties alone, if not you have to edit it.

Next you have to manually copy the quickstarts/esb-quickstart-service.xml to the C:\jboss-4.0.5.GA\server\default\deploy directory



Run 'clean', 'compile' and then 'deployToSar'



This deploys the helloworld code and configuration to jboss. See the console scroll:

```
17:41:35,401 INFO [ConfigurationController] loading configuration..
17:41:35,917 INFO [Generator] Serializing ESB Aware Listener 'ConfigTree'
configuration to [C:\jboss-4.0.5.GA\server\default\conf\jbossesb-listener.xml].
17:41:35,932 INFO [Generator] Serializing ESB Gateway 'ConfigTree' configuration
to [C:\jboss-4.0.5.GA\server\default\conf\jbossesb-gateway.xml].
17:41:35,948 INFO [ConfigurationController] Parameter reload completed.
17:41:39,604 INFO [ConfigurationControllerService] shutting down message aware
listener...
17:41:41,792 INFO
                  [ConfigurationController] Exiting Config Controller...
17:41:47,417 INFO
                  [ConfigurationControllerService] starting message configuration
controller with config file jbossesb.xml
17:41:47,448 INFO [ConfigurationController] loading configuration..
17:41:47,714 INFO
                   [ParamFileRepository] Setting parameter repository root dir to
[C:\jboss-4.0.5.GA\bin\.].
17:41:48,370 INFO [Generator] Serializing ESB Aware Listener 'ConfigTree'
configuration to [C:\jboss-4.0.5.GA\server\default\conf\jbossesb-listener.xml].
17:41:48,385 INFO [Generator] Serializing ESB Gateway 'ConfigTree' configuration
to [C:\jboss-4.0.5.GA\server\default\conf\jbossesb-gateway.xml].
17:41:48,401 INFO [ConfigurationController] Parameter reload completed.
17:41:51,073 INFO [ConfigurationController] Configuration Controller instance
started.
```

Now let's set a break point in the MyListenerAction. Double click in left margin and get a blue dot



Now from the Ant View let's send in a message by double clicking 'runtest'

And see the following output in the console