## Detecting existing layout

START: The source files for the company's product are laid out in one directory "src" and class files are output in another directory "bin": 🖉 Java - Eclipse Platform D: Product\src\com\xyz É Package Explor <u>File Edit View Favorites Tools Help</u> ₩ жə » Product 🕼 🕑 🗙 🗳 🕒 Back 🔹 🕥 🕤 🏂 🔎 Search 📂 Folders 🕮 sro 🗄 🖶 com.xyz Address 🛅 D:\Product\src\com\xyz ~ 🔁 Go 🗄 🗾 Main.java × Folders Name 🔺 🖃 🚞 Product ^ 🗐 Main, java 🖃 🦳 bin 🖃 🚞 com 🚞 xyz 🖃 🚞 src 🖃 🚞 corr 🗀 xyz Package Explorer Hierarchy

Product On the next page, type "Product" in the Project name field. 🦉 New Java Project Uncheck Use default. Click Browse ... and choose the "Product" Java Project Create a new Java project J directory. Project name: Product Project contents Use default Directory: D:\Product Browse... Click Next. Ensure that the source and output folders are detected. 🚝 New Java Project Java Settings NOTE: The auto-detection works only if the source files contain the Define the Java build settings J correct package statement, i.e. for "Main.java": 🐸 Source 😂 Projects 🐘 Libraries 11 Order and Export Source folders on build path: package com.xyz; 🗉 🧀 Product/sro Add Folder Warning: If the preference Window > Preferences > Java > Edit. Compiler > Build Path > Scrub output folder on full build is Remove checked, clicking Finish will scrub the "bin" directory in the file system before generating the class files. Allow output folders for source folders. Defaul<u>t</u> output folder: Product/bin Browse. Click Finish

END: You'll have a Java project with a "src" folder which contains the sources of the "Product" directory.

*Note:* This solution creates a ".project" file and a ".classpath" file in the "Product" directory. If you do not wish to have these files in the "Product" directory, you should use linked folders as shown in the Sibling products in a common source tree section.



Organizing sources		
START: You will create a new Java project and organize your sources in separate folders. Let's assume you want to put your sources in one folder and your tests in another folder:	END: You now have a Java pro and a "tests" folders. You can so these folders or you can copy th drop.	tart adding classes to nem using drag and
	P	
On the <b>next</b> page, <b>type</b> "MyProject" in the <b>Project name</b> field and click <b>Next</b> .		
On the next page, type myrroject in the Project name held and click Next.		
Click Add Folder On the next dialog, click Create New Folder		
Type "sources" in the <b>Folder name</b> field.	Colder name: sources	Cancel
Click <b>OK</b> twice to close the two dialogs		
Click <b>OK</b> twice to close the two dialogs.		
You will be prompted whether or not to remove the project as a source folder and update the build output folder to "MyProject/bin". The builder will write the generated .class files to the output folder. Click <b>Yes</b>	New Java Project       Java Settings       Define the Java build settings.	ler and Export
To create the "tests" folder, repeat steps 2 to 5. Then click <b>Finish</b> .	Allow output folders for source folders. Default output folder: MyProject/bin  New Java Project	Browse
	Java Settings	
	Java Sectings Define the Java build settings.	
		100

Allow output folders for source folders.

Defaul<u>t</u> output folder:

MyProject/bin

Add Folder... <u>E</u>dit... <u>R</u>emove

Browse

# Sibling products in a common source tree

Г

START: The source files for the company's products are laid out in one big directory that is version and configuration managed outside Eclipse:	END: You now have two Java projects which respectively contain the sources of "Product1" and "Product2".	
	🥃 Java - Eclipse Platform	
C:\AllProducts\Product1\JavaSourceFiles	Elle Edit Source Refactor Navigate Search Project Run Window Help	
Eile Edit View Favorites Iools Help	<u>م</u> • ۵۵ ۵ ۵ • <del>۶</del> • <del>۶</del> • ۵ ۵ ۵ • ۵	
Image: Search	Package Explorer     Product1     Product1     Product1     Product1     Product3     Product4     Produ	
	🥔 Source 🔓 Projects 🕼 Libraries 11 Order and Export	
	Source folders on build path:	
	😢 🍙 Product 1	
	<u>Eutra</u>	
	Allow output folders for source folders.	
	Default output folder: Product1 Browse	
	1.0000	
Select "Product1" source folder and click Edit		
Click Create New Folder Type "JavaSourceFiles" in the Folder name field.		
	🖉 New Folder	
Click <b>Create New Folder</b> Type "JavaSourceFiles" in the <b>Folder name</b> field. Click <b>Advanced</b> . Check <b>Link to folder in the file system</b> . Click <b>Browse</b> and choose the "JavaSourceFiles" directory in "Product1".	New Folder     SourceFiles	
Click Advanced. Check Link to folder in the file system. Click Browse and	New Folder     Eolder      JavaSourceFiles     << <u>A</u> dvanced	
Click Advanced. Check Link to folder in the file system. Click Browse and	Eolder name: JavaSourceFiles          << Advanced         Image: Link to folder in the file system	
Click Advanced. Check Link to folder in the file system. Click Browse and	Eolder name: JavaSourceFiles	
Click Advanced. Check Link to folder in the file system. Click Browse and	Eolder name: JavaSourceFiles          << Advanced         Image: Link to folder in the file system	
Click Advanced. Check Link to folder in the file system. Click Browse and	Eolder name: JavaSourceFiles          << Advanced         Image: Link to folder in the file system	
Click <b>Advanced</b> . Check <b>Link to folder in the file system</b> . Click <b>Browse</b> and choose the "JavaSourceFiles" directory in "Product1".	Eolder name: JavaSourceFiles          << Advanced         Image: Link to folder in the file system         D:\AllProducts\Product1\JavaSourceFiles	
Click Advanced. Check Link to folder in the file system. Click Browse and choose the "JavaSourceFiles" directory in "Product1".	Eolder name: JavaSourceFiles          Key Strategy St	
Click <b>Advanced</b> . Check <b>Link to folder in the file system</b> . Click <b>Browse</b> and choose the "JavaSourceFiles" directory in "Product1".	Eolder name: JavaSourceFiles << Advanced	
Click Advanced. Check Link to folder in the file system. Click Browse and choose the "JavaSourceFiles" directory in "Product1".	Eolder name: JavaSourceFiles          Key Strategy St	
Click Advanced. Check Link to folder in the file system. Click Browse and choose the "JavaSourceFiles" directory in "Product1".	Eolder name: JavaSourceFiles < Advanced Unkto folder in the file system D:\AllProducts\Product1\JavaSourceFiles OK Cancel OK Cancel Java Settings Define the Java build settings.	
Click Advanced. Check Link to folder in the file system. Click Browse and choose the "JavaSourceFiles" directory in "Product1".	Eolder name: JavaSourceFiles << Advanced Uhk to folder in the file system D:\AllProducts\Product1\JavaSourceFiles OK Cancel OK Cancel Java Settings Define the Java build settings. Source Files Source on build path: Source folders on build path:	
Click Advanced. Check Link to folder in the file system. Click Browse and choose the "JavaSourceFiles" directory in "Product1".	Eolder name: JavaSourceFiles << Advanced	
Click Advanced. Check Link to folder in the file system. Click Browse and choose the "JavaSourceFiles" directory in "Product1".	Eolder name: JavaSourceFiles << Advanced Uhk to folder in the file system D:\AllProducts\Product1\JavaSourceFiles OK Cancel OK Cancel Java Settings Define the Java build settings. Source Files Source on build path: Source folders on build path:	
Click Advanced. Check Link to folder in the file system. Click Browse and choose the "JavaSourceFiles" directory in "Product1".	Eolder name: JavaSourceFiles << Advanced Link to folder in the file system D:\AllFroducts\Product1\JavaSourceFiles OK Cancel OK Cancel Add Folder Source folders on build path: Product1/JavaSourceFiles Add Folder Edt	
Click Advanced. Check Link to folder in the file system. Click Browse and choose the "JavaSourceFiles" directory in "Product1".	Eolder name: JavaSourceFiles << Advanced Link to folder in the file system D:\AllFroducts\Product1\JavaSourceFiles OK Cancel OK Cancel Add Folder Source folders on build path: Product1/JavaSourceFiles Add Folder Edt	
Click Advanced. Check Link to folder in the file system. Click Browse and choose the "JavaSourceFiles" directory in "Product1".	Eolder name: JavaSourceFiles << Advanced Link to folder in the file system D:\AllFroducts\Product1\JavaSourceFiles OK Cancel OK Cancel Add Folder Source folders on build path: Product1/JavaSourceFiles Add Folder Edt	
Click Advanced. Check Link to folder in the file system. Click Browse and choose the "JavaSourceFiles" directory in "Product1".	Epider name: JavaSourceFiles < Advanced Link to folder in the file system D:\AllProducts\Product1\JavaSourceFiles OK Cancel OK Cancel New Java Project Java Settings Define the Java build settings. Source folders on build path: Product1/JavaSourceFiles Add Folder Edt Edt Edt Edt Edt Edt	
Click Advanced. Check Link to folder in the file system. Click Browse and choose the "JavaSourceFiles" directory in "Product1".	Epider name: JavaSourceFiles < Advanced Unkto folder in the file system D:\AllProducts\Product1\JavaSourceFiles OK Cancel	

Repeat these steps for "Product2".

## Overlapping products in a common source tree

START: The Java source files for the company's products are all held in a single package directory like this:

Eile Edit View Favorites Tools Help	_
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🕴 Address 🛅 D:\AllJavaSourceFiles\com\xyz\product2 🛛 💽 G	5
Folders × Name ▲	
🖃 🛅 AllJavaSourceFiles 🛛 🗾 P2Main.java	
🖃 🧰 com 🧮	
🖃 🚞 xyz	
C product1	
product2	
	>

END: You now have two Java respectively contain the source and "product2".	
<mark>∕ Java - Eclipse Platform</mark> Elle Edit Source Refac <u>tor N</u> avigate Se <u>a</u> rch E	roject <u>R</u> un <u>W</u> indow <u>H</u> elp
Ŭ·□□A   \$\$ • ★ • ₹ • ] d	\$ <b>* * * * *</b>
Image: Package Explore       ▼         Image: Package E	
⊕	↓     Image: Description
Package Explorer Hierarchy Product1	Tasks Console

On the next page, type "Product1" in the <b>Project name</b> field. Click <b>Next</b> .	
Select "Product1" source folder and click Edit	
Click Create New Folder Type "src" in the Folder name field.	
Click <b>Advanced</b> . Check <b>Link to folder in the file system</b> . Click <b>Browse</b> and choose the "AllJavaSourceFiles" directory.	New Folder      Eolder name: src      << Advanced      Unk to folder in the file system      D:\AllBavaSourceFiles      OK Cancel
Click <b>OK</b> twice to close the two dialogs.	
Expand the "src" source folder. Select Exclusion filters and click Edit	
Click Add Type "com/xyz/product2/" in the Add Exclusion Pattern dialog.	
Click <b>OK</b> twice to close the two dialogs.	
Type "Product1/bin" in the <b>Default output folder</b> field.	🗲 New Java Project
	Java Settings Define the Java build settings.
	Source folders on build path: Source folders on build path:  Comparison build
	↓ ↓ Allow output folders for source folders. Default output folder:
Click <b>Finish</b> .	Product1/bin Browse

## Product with nested tests



On the next page, type "Product1" in the <b>Project name</b> field. Click <b>Next</b> .	
Select "Product1" source folder and click Edit	
Click Create New Folder Type "src" in the Folder name field.	
Click Advanced. Check Link to folder in the file system. Click Browse and choose	New Folder
the "JavaSourceFiles" directory.	Eolder name: src
	<< Advanced
	Link to folder in the file system     D:\Product1\JavaSourceFiles     Browse     Yariables
	D:\Product1\JavaSourceFiles
	OK Cancel
Click <b>OK</b> twice to close the two dialogs.	
Type "Product1/bin" in the <b>Default output folder</b> field.	C New Java Project
	Java Settings Define the Java build settings.
	Denne die sava build secungs.
	😕 Source 😂 Projects 👪 Libraries 1↓ Order and Export
	Source folders on build path:           Image: Constraint of the second s
	Edit
	<u> </u>
	Allow output folders for source folders.
	Default output folder:
	Product1/bin Browse
Click Add Folder	
Expand "Project1", then "src" and select "tests".	Source Folder Selection
	E-œ Product1
	Create New Folder
	OK Cancel
Click <b>OK</b> . You get <b>an</b> information dialog saying that exclusion filters have been added. Clic	k OK Olick Einich
Check Or. Too get an information dialog saying that exclusion litters have been added. Clic	

# Products sharing a common source framework

START: The Java source files for two products require a common framework:	END: You now have two Java projects which respectively contain the sources of "Product1" and "Product2" and which are using the sources of "CommonFramework".
	<i>Note:</i> Files in "src-common" are shared. So editing "Common.java" in "Product1" will modify "Common.java" in "Product2". However they are compiled in the context of their respective projects. Two "Common.class" files will be generated; one for each project. If the two projects have different compiler options, then different errors could be reported on each "Common.java" file.
	Sava - Eclipse Platform
D:\Product2\JavaSourceFiles         Eile       Edit       View       Favorites       Iools       Help         Back       Iools       Jelp       Iools       Help       Iools         Address       D:\Product2\JavaSourceFiles       Iools       Folders       Iools       Iools         Folders       Iools       D:\Product2\JavaSourceFiles       Iools       Iools       Iools       Iools         Folders       Iools       Iools       Iools       Iools       Iools       Iools       Iools         Folders       Iools       I	File       Edit       Source       Refactor       Navigate       Search       Project       Nu       Mindow       Help         Image: Search       Image: Searc
⊞	□ □ □ Common.java
E 🗁 JavaSourceFiles B 🗁 com	Be System Library [IBM JRE 1.3.1] Package Explorer Hierarchy Tasks Console
	Product1
On the next page, type "Product1" in the <b>Project name</b> field. Click <b>Next</b> .	New Java Project
on the next page, type in rouger in the roject name new. Onek wext.	Java Settings
	Define the Java build settings.
	🕮 Source 😰 Projects 🐘 Libraries 🕕 Order and Export
	Source folders on build path:           Image: Contract of the second sec
	Edit
	Remove
	T Allow output folders for sourge folders.
	Allow output folders for source folders.  Default output folder:  Product1 Browse
	Default output folder:
	Default output folder: Product1 Browse
	Default output folder:
Select "Product1" source folder and click <b>Edit</b> .	Default output folder: Product1 Browse
Select "Product1" source folder and click <b>Edit</b> . Click <b>Create New Folder</b> . Type "JavaSourceFiles" in the <b>Folder name</b> field.	Default output folder: Product1 Browse
	Default output folder: Product1 Browse
Click Create New Folder Type "JavaSourceFiles" in the Folder name field.	Default output folder:       Product1       Browse       < Back
Click Create New Folder Type "JavaSourceFiles" in the Folder name field. Click Advanced. Check Link to folder in the file system. Click Browse and	Default output folder:         Product1         Browse         Seak         Image: Seak
Click Create New Folder Type "JavaSourceFiles" in the Folder name field. Click Advanced. Check Link to folder in the file system. Click Browse and	Default output folder: Product1 Browse  Reack Reack Einish Cancel
Click Create New Folder Type "JavaSourceFiles" in the Folder name field. Click Advanced. Check Link to folder in the file system. Click Browse and	Default output folder:         Product1         Browse         State         Qext         Einish         Cancel
Click Create New Folder Type "JavaSourceFiles" in the Folder name field. Click Advanced. Check Link to folder in the file system. Click Browse and	Default output folder:         Product1         Brogge         Brogge         Enish         Cancel         Elder name:         JavaSourceFiles         < <a>Advanced</a> Unk to folder in the file system         D:\Product1\JavaSourceFiles         Starter         D:\Product1\JavaSourceFiles
Click Create New Folder Type "JavaSourceFiles" in the Folder name field. Click Advanced. Check Link to folder in the file system. Click Browse and	Default output folder:         Product1         Browse         Seak         Wext >         Einish         Cancel

Click Add Folder....

Click Create New Folder Type "src-common" in the Folder name field.	
Click <b>Advanced</b> . Check <b>Link to folder in the file system</b> . Click <b>Browse</b> and choose the "JavaSourceFiles" directory in "CommonFramework"	Wew Folder       Image: Src-common         Eolder name:       Src-common         << Advanced       Image: Advanced         Image: Unk to folder in the file system       Image: D:\CommonFramework\JavaSourceFiles         D:\CommonFramework\JavaSourceFiles       Browse         Variables       OK
Click <b>OK</b> twice to close the two dialogs.	
Type "Product1/bin" in the <b>Default output folder</b> field.	New Java Project         Java Settings         Define the Java build settings.         Source folders on build path:         Source folders on build path:         Product / JavaSourceFiles         Product / JavaSourceFiles         Product / JavaSourceFiles         Edit         Edit         Edit         Default output folders for source folders.         Default output folder:
	Product1/bin Browse
Click Finish.	
Repeat these steps for "Product2".	