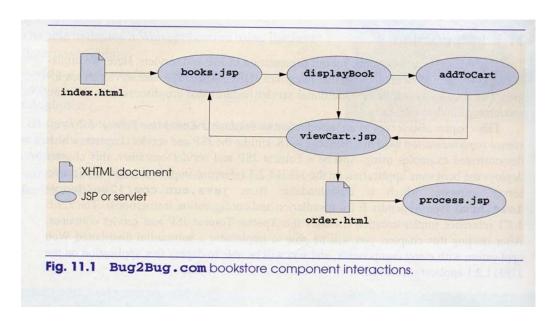
Deploying Bookstore Case Study (ch. 11) in IBM WebSphere Studio Application Developer 5.1.x

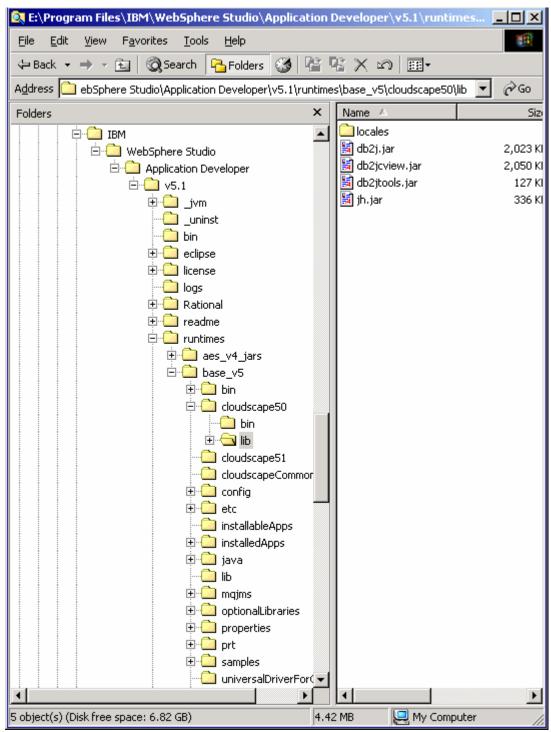


- 1. www.ibm.com
- 2. Cloudscape 5.0.x comes with WSAD or can you can a trail version http://www-306.ibm.com/software/data/cloudscape/

In WSAD

E:\Program Files\IBM\WebSphere Studio\Application Developer\v5.1\runtimes\base_v5\cloudscape50

But it is better to install WSAD under just c:\IBM\WSAD (shorter classpath and no spaces)



3. set DB2J_INSTALL= E:\Program Files\IBM\WebSphere Studio\Application Developer\v5.1\runtimes\base_v5\cloudscape50



5. modify books.sql from chapter 8

first line connect 'jdbc:db2j:books;create=true' modify **createDatabase.bat from chapter 8**

```
java -Dij.protocol=jdbc:db2j: com.ibm.db2j.tools.ij %1
```

6. add to classpath CLASSPATH=%CLASSPATH%;%DB2J_INSTALL%\lib\db2j.jar;%DB2J_INSTALL%\lib\db2j.jar;%DB2J_INSTALL%\lib\db2jtools.jar;

```
C:\Projects\Forte\_CST407_3_j2ee\TestAll\JDBC\createDatabase books.sql

C:\Projects\Forte\_CST407_3_j2ee\TestAll\JDBC\java -Dij.protocol=jdbc:db2j: com. ibm.db2j.tools.ij books.sql
ibm.db2j.tools.ij books.sql
ij version 5.0 (c) 2001 IBM Corp.
ij connect 'jdbc:db2j:books;create=true'
ij drop table authorISBN
FRROR 42Y55: 'DROP TABLE' cannot be performed on 'AUTHORISBN' because it does not exist.
ij drop table titles
FRROR 42Y55: 'DROP TABLE' cannot be performed on 'TITLES' because it does not exist.
ij drop table publishers
FRROR 42Y55: 'DROP TABLE' cannot be performed on 'PUBLISHERS' because it does not exist.
ij drop table authors
FRROR 42Y55: 'DROP TABLE' cannot be performed on 'AUTHORS' because it does not exist.
ij drop table authors
FRROR 42Y55: 'DROP TABLE' cannot be performed on 'AUTHORS' because it does not exist.
ij create table publishers (
publisherID int DEFAULT AUTOINCREMENT,
```

7. Test Database connection fig.08_26 DisplayAuthors.java

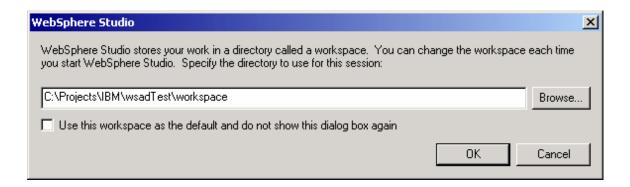
```
// connect to database books and query database
try {
   // load database driver class
   // load database driver class
```

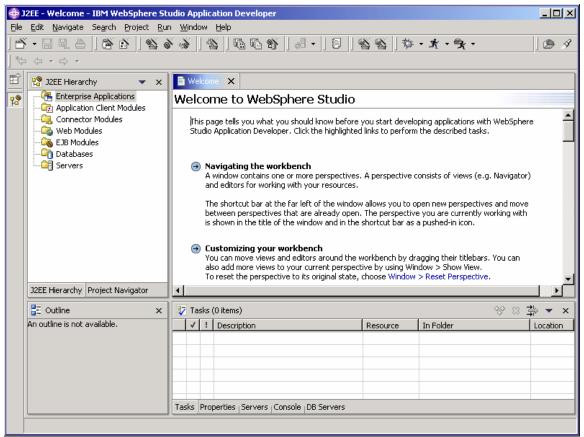
```
System.setProperty("db2j.system.home","\"E:\\Program
Files\\IBM\\WebSphere Studio\\Application
Developer\\v5.1\\runtimes\\base_v5\\cloudscape50\\"");
Class.forName("com.ibm.db2j.jdbc.DB2jDriver");
Connection connection=
DriverManager.getConnection("jdbc:db2j:books;upgrade=true");
// create Statement for querying database
Statement statement = connection.createStatement();

ResultSet resultSet =
    statement.executeQuery( "SELECT * FROM authors" );
....
```

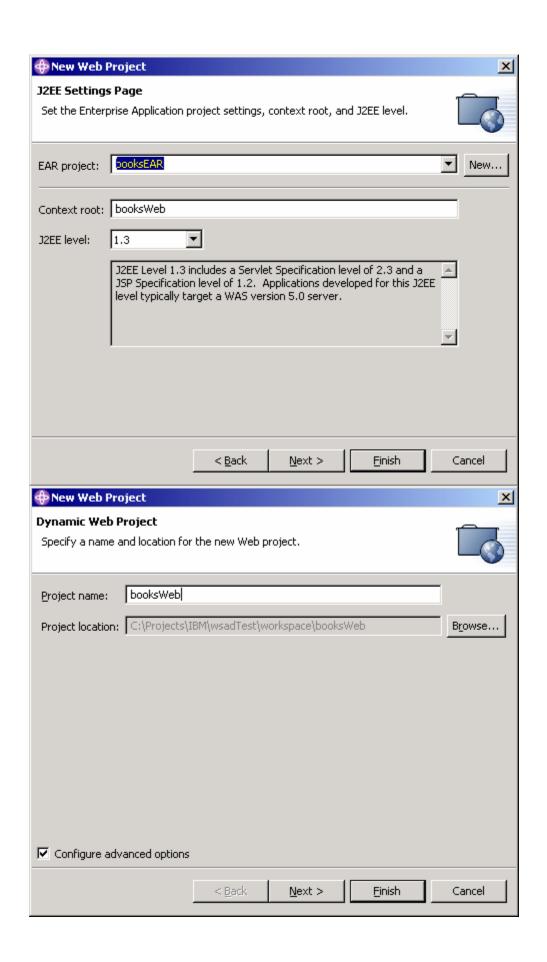
 $\label{lem:cst407_3_j2ee} C:\Projects\Forte\CST407_3_j2ee\TestAll\JDBC>javac -d . DisplayAuthors.java C:\Projects\Forte\CST407_3_j2ee\TestAll\JDBC>java com.deitel.advjhtp1.jdbc.DisplayAuthors$

able of Books Da	tabase	
FIRSTNAME	LASTNAME	
Harvey	Deitel	
Paul	Deitel	
Tem	Nieto	1
Sean	Santry	1
		1
	FIRSTNAME Harvey Paul Tem	Harvey Deitel Paul Deitel Tem Nieto

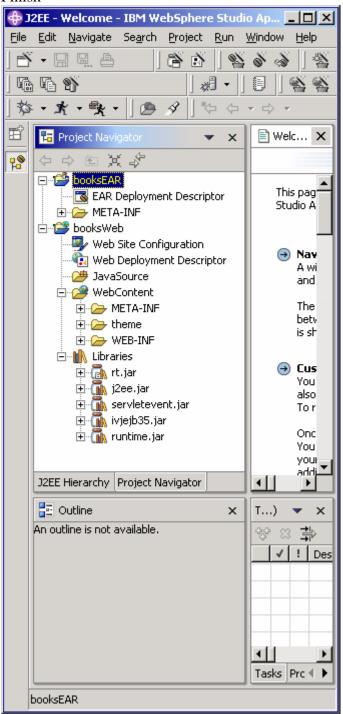


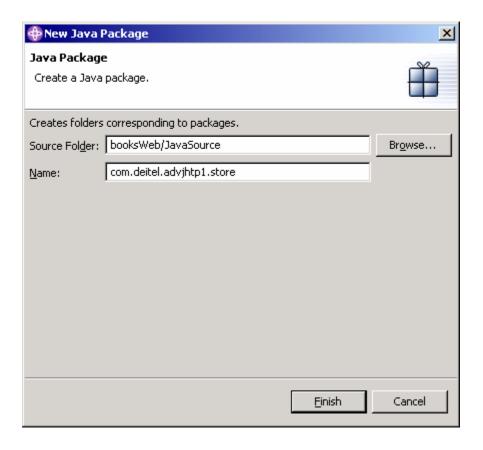


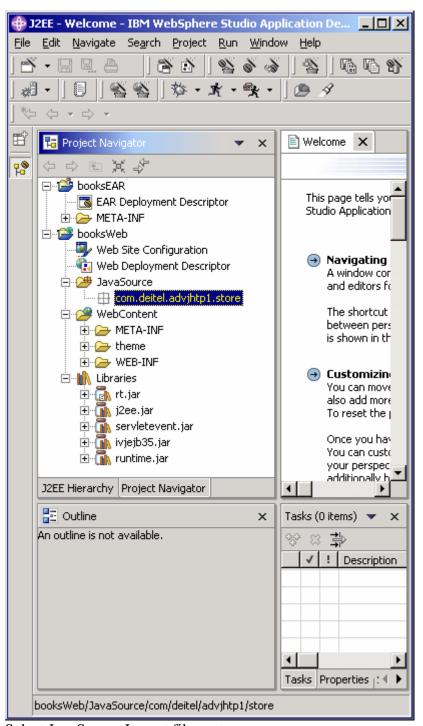
File->New->Dynamic Web Project Check advanced options



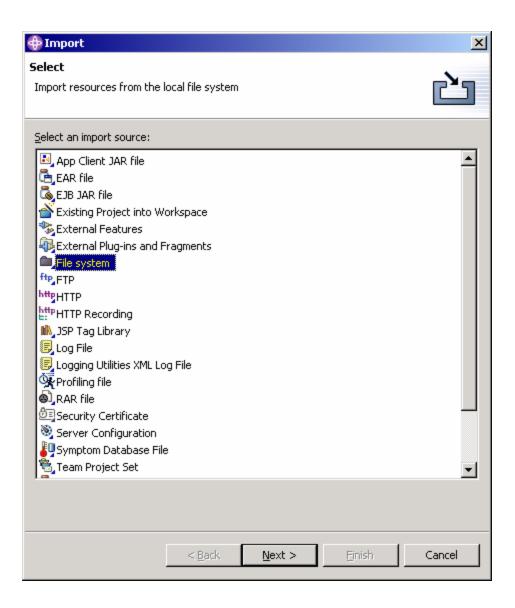
Finish

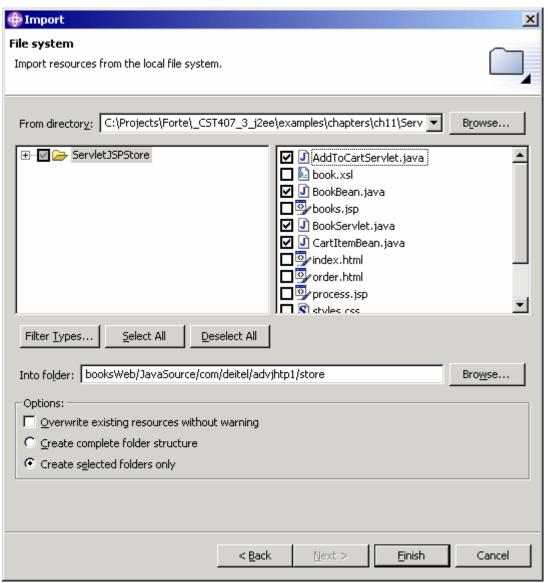




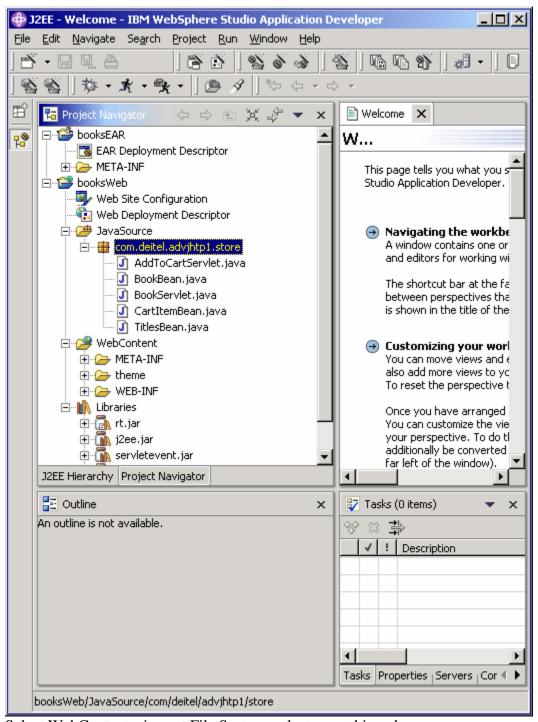


Select JavaSource Import file system

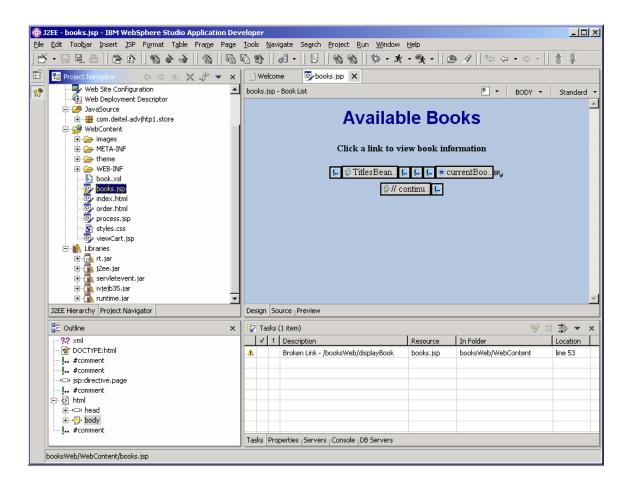


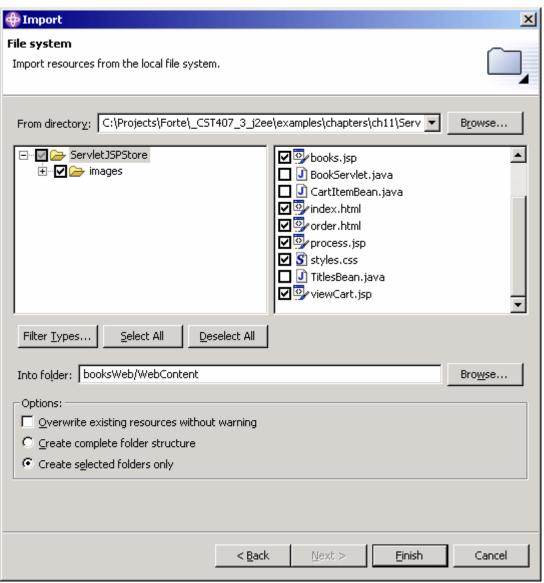


Select all .java

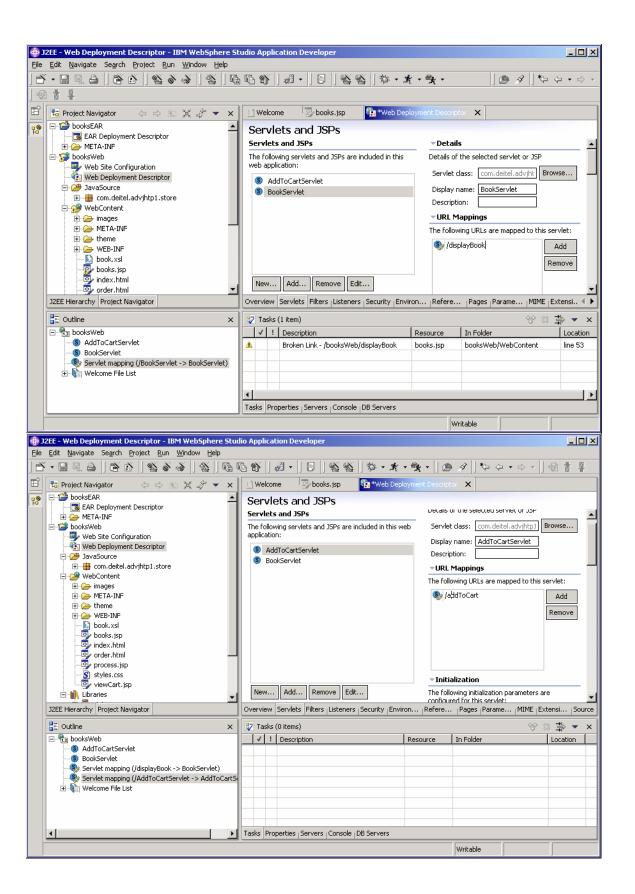


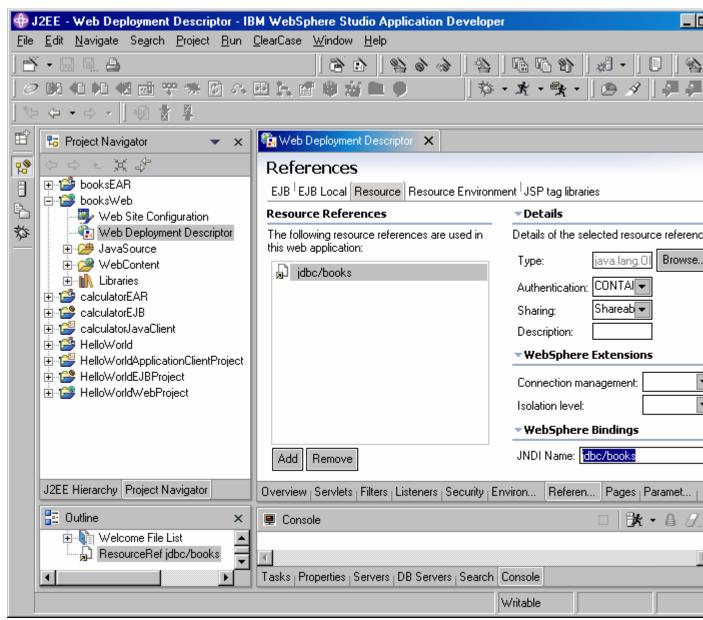
Select WebContent->import File System, select everything else





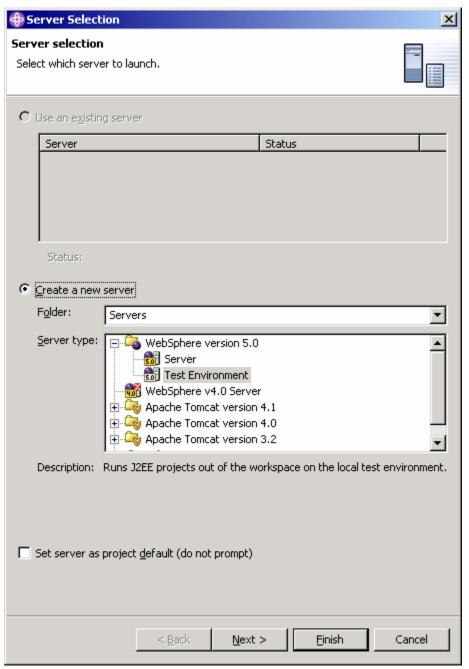
Modify Web Descriptor as shown



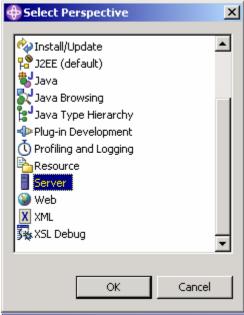


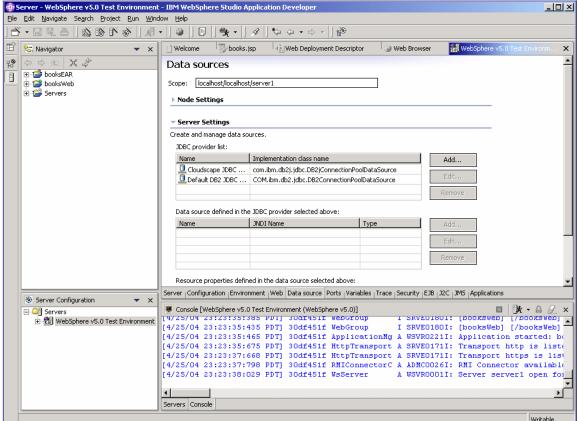
Save All

Select index.html and Run on Server

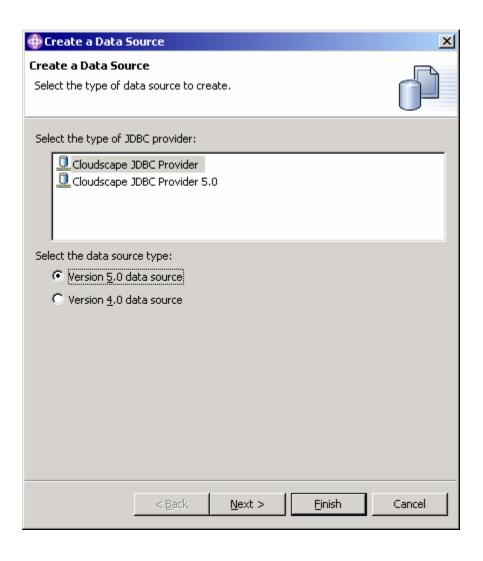


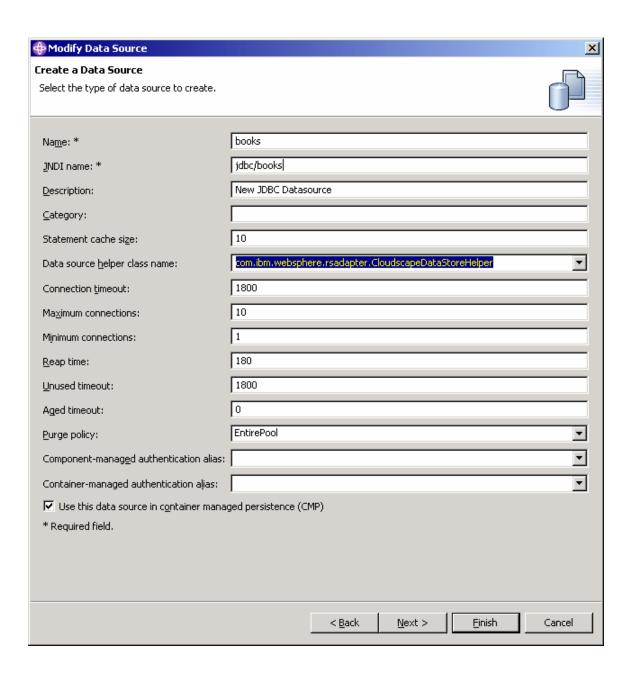
Windows->

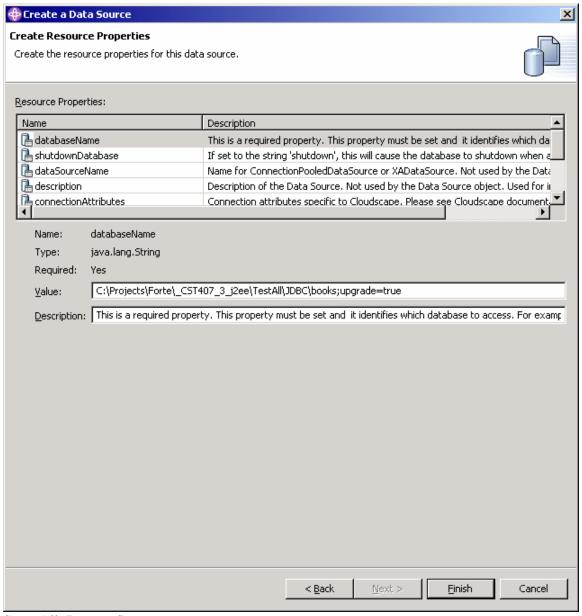




Select Cloudscape







Save All, Restart Server

