FAQ for DB22DBF Packages

The most recent version of this document can be viewed at here.

Table of Contents

1. General Questions
2. EMBED Package Questions

General Questions

1. How to know the detailed version information of DB22DBF package?
check that MANIFEST.MF file in jar file.

2. Can I use it in an iSeries OS/400 IBM machine that has Java 1.4 running in it?
The DB22DBF packages can run on any platform with Java VM, which includes Microsoft Windows, Novell Netware, OS2, UNIX, and LINUX. It supports Personal Java, JDK1.0.X, JDK1.1.X, JDK1.2.X, JDK1.3.X, JDK1.4.X and JDK1.5.X. It supports JDBC1.2, JDBC2.0, and JDBC3.0 now.

3. What is difference between the DB22DBF Package, Embedded(WithDrv) Package, Embedded (WithoutDrv) Package?
The DB22DBF Package is a GUI application , and the Embedded package is a package which can load into DB2 database(DB2 8 or upper). If you're exporting data by GUI application or a configuration file, you should use the DB22DBF Package . If you want to export data more quickly and more flexibly, you can use the DB22DBF Embedded Package.
As the tips by the name, Embedded(WithDrv) Package contains the HXTT DBF JDBC package, and Embedded(WithoutDrv) Package doesn't.

4. What's the difference between the professional DB22DBF Package and the enterprise DB22DBF Package?
The standard DB22DBF Package can export table data to dBASE, Foxbase, Foxpro, and VFP from DB2.
The enterprise DB22DBF Package contains the function of standard DB22DBF Package, besides, it can export data accord view or a dynamic query, and execute export operation from a configuration file saved by prior export operation, and loaded into DB2 database(DB2 8 or upper) for build a procedure to export data.

5. What causes the 'No suitable driver' SQLException?
This error usually occurs during a call to DriverManager.getConnection(). The cause can be failing to load the appropriate JDBC driver before calling getConnection(), or specifying an invalid JDBC URL that isn't recognized by your JDBC driver. If you are exporting data by GUI application or a configuration file, you should check the DB2 JDBC package exists in the directory in your driver config, and check your JDBC url.
If you are using Embedded(WithoutDrv) Package to export data in DB2 database, this error happens is because you haven't load the HXTT DBF JDBC package in DB2 database.

6. What's the diffirence between the HXTT DBF JDBC package contained in DataExp 2007 program and the standard HXTT DBF JDBC package?
The HXTT DBF JDBC package contained in DataExp 2007 program can only used in DataExp 2007 program and have some functional limit, so you cann't use it for other usage.
There are no other difference between the two package. They can accept the same jdbc url, and connect properties, and operate data, etc.

7. Can export a table data to a non-exists table?
Yes. This package will auto create the destination table. In the GUI application, you can change the table structure when need creating the table.

8. I would like to export data from our application, instead of load it in DB2 database or GUI application. can can do so?
Yeah. You can do so if you buy the Enterprise DB22DBF product . Maybe you should pay the attention to the licence.

There is a class named com.hxtt.data.export.advance.DB22DBF in the Embedded(WithDrv) Package and Embedded(WithoutDrv) Package contains a series method to export data.
All methods will throws java.sql.SQLException.

/**export table data in DB2 database to Visual Foxpro 10 Table

*@param schemaName	assign the source data table's schema, null means that table is owned by current user
*@param tableName	assign the source table name
*@param targetDirectory	assign the destination directory, in general, you want to export table data to a file, so this parameter name is targetDirectory, but in fact, you can assign any legal jdbc url not contains the prefix part(jdbc:dbf:/), so, c:/tmp, c:/tmp/xx.zip, ////192.168.10.2/sharedir, //domain.com:3099/c:/data all can assigned to this parameter, more about this information, please see the document.
*@param targetTableName	assign the destination table name which you want to exported to it
*@param targetConnProps	assign the destinition conntion properties, please split multi properties by ';' , for example, username=abc;password=abc

*/
 public static void exportTableToFoxpro10(String schemaName, String tableName, String targetDirectory, String targetTableName, String targetConnProps)

 /**export table data to Visual Foxpro 9 Table*/
 public static void exportTableToFoxpro9(String schemaName, String tableName, String targetDirectory, String targetTableName, String targetConnProps)

 /**export table data to Visual Foxpro 8 Table */
 public static void exportTableToFoxpro8(String schemaName, String tableName, String targetDirectory, String targetTableName, String targetConnProps)

```
 /**export table data to Visual Foxpro 7 Table */
 public static void exportTableToFoxpro7(String schemaName, String tableName, String targetDirectory,
String targetTableName, String targetConnProps)

 /**export table data to Visual Foxpro 5 Table  */
 public static void exportTableToFoxpro5(String schemaName, String tableName, String targetDirectory,
String targetTableName,String targetConnProps)

 /**export table data to Visual Foxpro 3 Table  */
 public static void exportTableToFoxpro3(String schemaName, String tableName, String targetDirectory,
String targetTableName, String targetConnProps)

 /**export table data to Visual Foxpro Table  */
 public static void exportTableToFoxpro(String schemaName, String tableName, String targetDirectory,
String targetTableName, String targetConnProps)

 /**export table data to DBase2000 Table */
 public static void exportTableToDBase2000(String schemaName, String tableName, String targetDirectory,
String targetTableName, String targetConnProps)

 /**export table data to DBase5 Table */
 public static void exportTableToDBase5(String schemaName, String tableName, String targetDirectory,
String targetTableName, String targetConnProps)

 /**export table data to DBase4 Table */
 public static void exportTableToDBase4(String schemaName, String tableName, String targetDirectory,
String targetTableName, String targetConnProps)

  /**export table data to DBase3 Table */
 public static void exportTableToDBase3(String schemaName, String tableName, String targetDirectory,
String targetTableName, String targetConnProps)

 /**export table data to DBase2 Table */
 public static void exportTableToDBase2(String schemaName, String tableName, String targetDirectory,
String targetTableName,String targetConnProps)

 /**export table data to Foxbase Table */
public static void exportTableToFoxbase(String schemaName, String tableName, String targetDirectory,
String targetTableName,String targetConnProps)


/**export SQL query result to Visual Foxpro 10 Table
```

*@param querySql	assign the SQL query sentence
*@param targetDirectory	assign the destination directory, in general, you want to export table data to a file, so this parameter name is targetDirectory, but in fact, you can assign any legal jdbc url not contains the prefix part(jdbc:dbf:/), so, c:/tmp, c:/tmp/xx.zip, ////192.168.10.2/sharedir all can assigned to this parameter, more about this information, please see the document.
*@param targetTableName	assign the destination table name which you want to exported to it
*@param targetConnProps	assign the conntion properties for build destination database connectiion, please split multi properties by ';' ,for example, username=abc;password=abc

*/
public static void exportQueryToFoxpro10(String querySQL, String targetDirectory, String targetTableName, String targetConnProps)

/**export SQL query result to Visual Foxpro 9 Table*/
public static void exportQueryToFoxpro9(String querySQL, String targetDirectory, String targetTableName, String targetConnProps)

/**export SQL query result to Visual Foxpro 8 Table */
public static void exportQueryToFoxpro8(String querySQL, String targetDirectory, String targetTableName, String targetConnProps)

/**export SQL query result to Visual Foxpro 7 Table */
public static void exportQueryToFoxpro7(String querySQL, String targetDirectory, String targetTableName, String targetConnProps)

/**export SQL query result to Visual Foxpro 5 Table */
public static void exportQueryToFoxpro5(String querySQL, String targetDirectory, String targetTableName,String targetConnProps)

/**export SQL query result to Visual Foxpro 3 Table */
public static void exportQueryToFoxpro3(String querySQL, String targetDirectory, String targetTableName, String targetConnProps)

/**export SQL query result to Visual Foxpro Table */
public static void exportQueryToFoxpro(String querySQL, String targetDirectory, String targetTableName, String targetConnProps)

/**export SQL query result to DBase2000 Table */
public static void exportQueryToDBase2000(String querySQL, String targetDirectory,String targetTableName, String targetConnProps)

/**export SQL query result to DBase5 Table */

public static void exportQueryToDBase5(String querySQL, String targetDirectory,String targetTableName, String targetConnProps)

/**export SQL query result to DBase4 Table */
public static void exportQueryToDBase4(String querySQL, String targetDirectory,String targetTableName, String targetConnProps)

/**export SQL query result to DBase3 Table */
public static void exportQueryToDBase3(String querySQL, String targetDirectory,String targetTableName, String targetConnProps)

/**export SQL query result to DBase2 Table */
public static void exportQueryToDBase2(String querySQL, String targetDirectory, String targetTableName, String targetConnProps)

/**export SQL query result to Foxbase Table */
public static void exportQueryToFoxbase(String querySQL, String targetDirectory, String targetTableName, String targetConnProps)

com.hxtt.data.export.advance.ConnectionGetter.setConnection(yourConnection);
com.hxtt.data.export.advance.DB22DBF.exportTableToFoxbase(null,"ATABLE","c:/tmp","BTABLE", null);

Attention, affter exported one table, you must reset the connection to export another table for we will release the connection after complete a export operation.

com.hxtt.data.export.advance.ConnectionGetter.setConnection(yourConnection);
com.hxtt.data.export.advance.DB22DBF.exportQueryToFoxbase("select * from ATABLE a, BTABLE b WHERE a.id=b.id","c:/tmp","NEWTABLE",null);

Embed Package Questions

1. What's the Embed Package?
Embed Package is a jar file which can load into DB2 database and execute export operation by DB2 procedure, or can used in your java program to execute export operation.
The Embedded(WithDrv) Package contains the HXTT DBF JDBC package, and Embedded(WithoutDrv) Package doesn't.
If you have bought the the HXTT DBF JDBC package, you can use the Embedded(WithoutDrv) Package to execute export operation. or else, you should the Embedded(WithDrv) Package to execute export operation.

2. How do I load the Embed Package(With HXTT DBF JDBC Driver) into DB2 Database and execute export operation in DB2 database?
You can do as follows.
In DB2 Command Editor, run the follows command to load the embed package into DB2 database.
call sqlj.install_jar('file:c:/EMBDB22DBF_WithDRV.jar','DB22DBF')

Then, you should create the follows procedure,
create procedure exportTableToFoxpro10(
in schemaname varchar(200),
in tablename varchar(200),
in targetdirectory varchar(200),
in targettablename varchar(200),
in targetconnpar varchar(200))
external name 'DB22ACCESS:com.hxtt.data.export.advance.DB22DBF.exportTableToFoxpro10'
language java parameter style java

Then, you can use the procedure *exportTableToFoxpro10* to export table/view date to DBase4 table.

3. How do I load the Embed Package(Without HXTT DBF JDBC Driver) into DB2 Database and execute export operation in DB2 database?
It's same as install the Embed Package(With HXTT DBF JDBC Driver) into DB2 database.
But you should install the HXTT DBF JDBC Driver at the same time.

In DB2 Command Editor, run the follows command to install the embed package into DB2 database.
call sqlj.install_jar('file:c:/DBF_JDBC20.jar;c:/ EMBDB22DBF_WithDRV.jar','DB22DBF')

4. When I install package to DB2 database, errors happen.
Please see http://www.ibm.com/developerworks/db2/library/techarticle/dm-0510law/. This page shows a lot of errors and give a answer.

5. I loaded the package, created the procedure, but when executing procedure *exportTableToFoxpro10*, errors happened.
Maybe you should restart the database server. I don't know why but when i restart the database server, it works well.

6. I loaded the package, created the procedure, grant privilege, and execute procedure *exportTableToFoxpro10* successly in machine, but I cann't find the data file in my machine

The data file will be located the DB2 Database Server machine.
For example, you execute the follows procedure,

```
BEGIN
  exportTableToFoxpro10(null,'atable','c:/tmp',null,null);
END;
```

This data of atable will export to the c:/tmp/atable located in the DB2 Databae Server machine no matter where you execute this procedure .

7. How to export data accord a SQL query?
For example,

```
BEGIN
  exportQueryToFoxpro10('select * from aa.atable a,bb.btable b where a.id=b.id','c:/tmp','XTABLE',null);
END;
```

8. Can I load two package to DB2(8i or upper) database, for example, EMBDB22DBF_WithDrv.jar and EMBDBF2DB2_WithDrv.jar?
You can do so. But you should assign the different name when install this package..