

FAQ for Oracle2DBF Packages of type 4 JDBC Driver for Oracle to dBASE, Foxbase, Foxpro, and VFP

The most recent version of this document can be viewed at [here](#).

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General Questions

1. How to know the detailed version information of Oracle2DBF 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 Oracle2DBF 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 Oracle2DBF Package, Embedded(WithDrv) Package, Embedded (WithoutDrv) Package?

The Oracle2DBF Package is a GUI application , and the Embedded package is a package which can load into Oracle database(Oracle8i or upper). If you're exporting data by GUI application or a configuration file, you should use the Oracle2DBF Package . If you want to export data more quickly and more flexibly, you can use the Oracle2DBF 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 Oracle2DBF Package and the enterprise Oracle2DBF Package?

The standard Oracle2DBF Package can export table data to dBASE, Foxbase, Foxpro, and VFP from Oracle. The enterprise Oracle2DBF Package contains the function of standard Oracle2DBF 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 Oracle(8i 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 Oracle 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 Oracle database, this error happens is because you haven't load the HXTT DBF JDBC package in Oracle database.

6. What's the difference 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 can'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 Oracle database or GUI application. can can do so?

Yeah. You can do so if you buy the Enterprise Oracle2DBF product . Maybe you should pay the attention to the [licence](#).

There is a class named com.hxtt.data.export.advance.Oracle2DBF 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 Oracle 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 destination 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.OracleConnectionGetter.setConnection(yourConnection);  
com.hxtt.data.export.advance.Oracle2DBF.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.OracleConnectionGetter.setConnection(yourConnection);  
com.hxtt.data.export.advance.Oracle2DBF.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 Oracle database and execute export operation by Oracle 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 Oracle Database and execute export operation in Oracle database?

You can do as follows.

In windows Command or Shell(Linux/Unix), run the follows command to load the embed package into Oracle database.

```
loadjava -resolve -synonym -verbose -user username/password@OracleSid EMBOracle2DBF_WithDRV.jar
```

Then, you should create the follows procedure,

```
procedure exportTableToFoxpro10(
```

```
  sourceschemaname in varchar2,
```

```
  tableorviewname varchar2,
```

```
  targetdirectory in varchar2,
```

```
  targettablename in varchar2,
```

```
  targetconnprops in varchar2
```

```
)
```

```
as language java name 'com.hxtt.data.export.advance.Oracle2DBF.exportTableToFoxpro10%(  
  java.lang.String,java.lang.String,java.lang.String,java.lang.String,java.lang.String)';
```

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

3. How do I load the Embed Package(Without HXTT DBF JDBC Driver) into Oracle Database and execute export operation in Oracle database?

It's same as load the Embed Package(With HXTT DBF JDBC Driver) into Oracle database.

But at first, you should load the HXTT DBF JDBC Driver into Oracle database.

In windows Command or Shell(Linux/Unix), run the follows command to load the embed package into Oracle database.

```
loadjava -resolve -synonym -verbose -user username/password@OracleSid DBF_JDBC20.jar
```

Attention, you should load the jdbc2.0 package to Oracle database for the inner JVM in Oracle database is JDK1.3, it only support JDBC to 2.0.

4. When I load package to Oracle database, errors happen, it says,

while dropping synonym com/hxtt/data/export/a/c ORA-01031: Privilege Not Enough

This is because the user you used to load the package haven't enough privilege.

Please run the follows SQL to grant the user correct privilege.

```
GRANT JAVA_SYSPRIV TO username;
```

```
GRANT JAVA_USERPRIV TO username;
```

```
GRANT CREATE PUBLIC SYNONYM TO username;
```

```
GRANT DROP PUBLIC SYNONYM TO username;
```

Then retry load the package.

5. When I load package to Oracle database, errors happen, it says, ORA-18008 cannot find OUTLN schema This error happens is because you removed the OUTLN schema, when create database, the OUTLN schema will be created and locked, and then, you removed this schema for security or other reasons.

You should use the follows SQL to recreate this schema.

```
CREATE USER "OUTLN" IDENTIFIED BY "OUTLN"  
DEFAULT TABLESPACE USERS  
TEMPORARY TABLESPACE TEMP  
QUOTA UNLIMITED ON USERS ACCOUNT LOCK;  
GRANT UNLIMITED TABLESPACE TO "OUTLN";  
GRANT CONNECT TO "OUTLN";  
ALTER USER "OUTLN" DEFAULT ROLE CONNECT;
```

6. I loaded the package, created the procedure, and execute procedure *exportTableToFoxpro10* successly, but the data havn't exported to the destination table

When execute export table data to a data file, oracle database need open the file and write data to it. But by default, the user in oracle database have no right to do so. Please execute the follows sentence to grant the user privilege.

```
dbms_java.grant_permission('YOURUSER','java.util.PropertyPermission','*','read,write');
```

attention, YOURUSER should be upper case unless you create a user with "yourusername" format.

If you want export data to remote machine, for example, your targetdirectory parameter like /192.168.20.16/shareDir or //domain.com:3099/c:/data, you should execute the follows sentence,too.

```
dbms_java.grant_permission('YOURUSER','java.net.SocketPermission','*','connect, resolve');
```

7. I loaded the package, created the procedure, grant privilege, and execute procedure *exportTableToDBase4* successly in machine, but I cann't find the data file in my machine

The data file will be located the Oracle 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 Oracle Databae Server machine no matter where you execute this procedure .

8. 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;
```

9. Errors happened when use the procedure to export data, but the Oracle database only tell me a simple java exception, how do I see the detail information and tell you for solve this question?

If you want the more detail exception information, you should execute this procedure in SQL/Plus, and do as follows.

```
SQLPLUS MYNAME/MYPASSWORD@MYDB  
SET SERVEROUTPUT ON SIZE 20000  
CALL DBMS_JAVA.SET_OUTPUT(20000); Then, execute the procedure.
```

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

If there are errors happened, you can see the detail information .

10. Can i load two package to Oracle(8i or upper) database, for example, EMBOracle2DBF_WithDrv.jar and EMBDBF2Oracle_WithDrv.jar?

You cannot do so. If you have the request, please tell us, we will create a special package for you.

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