

JDBC DRIVERS STATUS

Andrea Carboni

Rev 1, 9-dec-2003

Contents

1	Current status	5
1.1	Introduction	5
1.2	The tests	5
1.2.1	Rebuild in JDBC	5
1.2.2	Import from JDBC	5
1.2.3	Drop JDBC entity	6

Chapter 1

Current status

1.1 Introduction

This document describes the actual status of JDBC drivers with druid. These drivers are used by druid when the user wants to access a database so it is mandatory that they work fine. Usually not all drivers implement the features requested by druid and a deep test with each one is required.

1.2 The tests

1.2.1 Rebuild in JDBC

The first test regards the possibility to rebuild a druid's entity into the JDBC database. Usually a global rebuild works fine so the test regards only single entities.

Rebuild in JDBC	PostgreSQL 7.4	Oracle 8.1.7	McKoi 1.0.2	HSqldb 1.7.2-T
Tables	yes	yes	yes	yes
Table's SQL commands	yes	yes	yes	-
Views	yes	yes	yes	yes
Procedures	N/A	yes	N/A	N/A
Functions	yes	yes	N/A	N/A
Sequences	yes	yes	yes	N/A
Triggers	(?)	yes	N/A	(?)

(?) Unable to perform the test.

1.2.2 Import from JDBC

The second test regards the possibility to import a JDBC entity into druid.

Import from JDBC	PostgreSQL 7.4	Oracle 8.1.7	McKoi 1.0.2	HSqldb 1.7.2-T
Tables	yes	yes	yes	yes
Primary keys	yes	yes	yes	yes
Foreign keys	yes	yes	yes	yes
Not Null	yes	yes	yes	yes
Default	yes	yes	yes	yes
Unique	(*)	(*)	-	N/A
Indexes	yes	yes	-	yes
Unique indexes	yes	yes	-	yes
Views	yes	yes	yes	yes
Procedures	N/A	yes	N/A	N/A
Functions	-	yes	N/A	N/A
Sequences	-	-	yes	N/A
Triggers	(?)	yes	N/A	(?)
Comments	yes	-	N/A	N/A

(*) The unique attribute is imported as a unique index.

(?) Unable to perform the test.

PostgreSQL correctly lists all sequences but has no internal views to allow retrieval. There are no internal views for retrieving functions too. Oracle doesn't list its sequences so a retrieval cannot be possible. McKoi doesn't return comment and index information.

1.2.3 Drop JDBC entity

This test regards the possibility to drop a single JDBC entity from the database. The test has been done because some DBMS (like PostgreSQL with functions) require dedicated code .

Drop JDBC entity	PostgreSQL 7.4	Oracle 8.1.7	McKoi 1.0.2	HSqldb 1.7.2-T
Tables	yes	yes	yes	yes
Views	yes	yes	yes	yes
Procedures	N/A	yes	N/A	N/A
Functions	yes	yes	N/A	N/A
Sequences	yes	-	yes	N/A
Triggers	(?)	yes	N/A	(?)

(?) Unable to perform the test.