

Oracle

DdlUtils has support for the [Oracle database](#) for versions **8.1.7** and above. Info about the datatypes and SQL elements supported in this version can be found in the **Oracle SQL Reference**. You can access this documentation from the [Oracle Technology Network](#). Registration to this area is free.

DdlUtils provides different platforms for Oracle v8, v9, and v10. The v9 platform adds support for the native `TIMESTAMP` type, and the v10 platform handles the recycle bin that was introduced in version 10 of the Oracle database.

Note that DdlUtils currently does not automatically detect the database version, so it will always choose the v8 version. If you want to make use of the additional features, then you have to specify the platform identifier manually.

Platform identifiers:

- `Oracle`
- `Oracle9`
- `Oracle10`

Recognized JDBC drivers:

- `oracle.jdbc.driver.OracleDriver`
- `oracle.jdbc.dnlddriver.OracleDriver`

Recognized JDBC sub protocols:

- `jdbc:oracle:thin`
- `jdbc:oracle:oci8`
- `jdbc:oracle:dnldthin`

The database supports SQL comments	yes
The database supports delimited identifiers	yes
The database's maximum identifier length	30
The database supports default values for <code>LONG</code> types	yes

DdlUtils uses sequences for identity columns	yes
The database supports non-primary key columns as identity columns	yes
The database allows INSERT/UPDATE statements to set values for identity columns	yes
DdlUtils can read back the auto-generated value of an identity column	yes
The database supports non-unique indices	yes
DdlUtils can create a database via JDBC	no
DdlUtils can drop a database via JDBC	no

JDBC Type	Database Type	Additional comments
ARRAY	BLOB	Will be read back as BLOB
BIGINT	NUMBER(38)	
BINARY	RAW	Oracle requires the specification of the size for RAW columns. If no size was specified, then 254 is used. Will be read back as VARBINARY
BIT	NUMBER(1)	Oracle has no native boolean type.
BLOB	BLOB	
BOOLEAN	NUMBER(1)	Oracle has no native boolean type. Will be read back as BIT
CHAR	CHAR	
CLOB	CLOB	
DATALINK	BLOB	Will be read back as BLOB
DATE	DATE	
DECIMAL	NUMBER	
DISTINCT	BLOB	Will be read back as BLOB
DOUBLE	DOUBLE PRECISION	
FLOAT	FLOAT	Will be read back as DOUBLE

INTEGER	INTEGER	
JAVA_OBJECT	BLOB	Will be read back as BLOB
LONGVARBINARY	BLOB	Will be read back as BLOB
LONGVARCHAR	CLOB	Will be read back as CLOB
NULL	BLOB	Will be read back as BLOB
NUMERIC	NUMBER	Will be read back as DECIMAL
OTHER	BLOB	Will be read back as BLOB
REAL	REAL	
REF	BLOB	Will be read back as BLOB
SMALLINT	NUMBER(5)	
STRUCT	BLOB	Will be read back as BLOB
TIME	DATE	Will be read back as TIMESTAMP
TIMESTAMP	Oracle8 platform: DATE Oracle9/10 platforms: TIMESTAMP	The TIMESTAMP native type is only supported in Oracle 9 and above.
TINYINT	NUMBER(3)	
VARBINARY	RAW	Oracle requires the specification of the size for RAW columns. If no size was specified, then 254 is used.
VARCHAR	VARCHAR2	