# PostgreSQL

DdlUtils supports PostgreSQL version **7.2.8** and newer. SQL syntax details and supported datatypes are described in the Manual.

Platform identifier:

- `PostgreSql`

Recognized JDBC driver:

- `org.postgresql.Driver`

Recognized JDBC sub protocol:

- `jdbc:postgresql`

| | |
|---|---|
| The database supports SQL comments | yes |
| The database supports delimited identifiers | yes |
| The database's maximum identifier length | 31 |
| The database supports default values for `LONG` 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 | yes |
| DdlUtils can drop a database via JDBC | yes |

| JDBC Type | Database Type | Additional comments |
|---|---|---|
| ARRAY | BYTEA | Will be read back as LONGVARBINARY |
| BIGINT | BIGINT | |
| BINARY | BYTEA | Will be read back as LONGVARBINARY |
| BIT | BOOLEAN | |
| BLOB | BYTEA | |
| BOOLEAN | BOOLEAN | Will be read back as BIT |
| CHAR | CHAR | |
| CLOB | TEXT | Will be read back as LONGVARCHAR |
| DATALINK | BYTEA | Will be read back as LONGVARBINARY |
| DATE | DATE | |
| DECIMAL | NUMERIC | Will be read back as NUMERIC |
| DISTINCT | BYTEA | Will be read back as LONGVARBINARY |
| DOUBLE | DOUBLE PRECISION | |
| FLOAT | DOUBLE PRECISION | Will be read back as DOUBLE |
| INTEGER | INTEGER | |
| JAVA_OBJECT | BYTEA | Will be read back as LONGVARBINARY |
| LONGVARBINARY | BYTEA | |
| LONGVARCHAR | TEXT | |
| NULL | BYTEA | Will be read back as LONGVARBINARY |
| NUMERIC | NUMERIC | |
| OTHER | BYTEA | Will be read back as LONGVARBINARY |
| REAL | REAL | |
| REF | BYTEA | Will be read back as |

| | | |
|---|---|---|
| | | LONGVARBINARY |
| SMALLINT | SMALLINT | |
| STRUCT | BYTEA | Will be read back as LONGVARBINARY |
| TIME | TIME | |
| TIMESTAMP | TIMESTAMP | |
| TINYINT | SMALLINT | Will be read back as SMALLINT |
| VARBINARY | BYTEA | Will be read back as LONGVARBINARY |
| VARCHAR | VARCHAR | |