

Class: PG::Connection

Inherits: Object	show all
Includes: Constants	
Defined in: lib/pg/connection.rb	more...

Overview

The PostgreSQL connection class. The interface for this class is based on [libpq](#), the C application programmer's interface to PostgreSQL. Some familiarity with libpq is recommended, but not necessary.

For example, to send query to the database on the localhost:

```
require 'pg'
conn = PG::Connection.open(:dbname => 'test')
res = conn.exec_params('SELECT $1 AS a, $2 AS b, $3 AS c', [1, 2, nil])
# Equivalent to:
# res = conn.exec('SELECT 1 AS a, 2 AS b, NULL AS c')
```

See the PG::Result class for information on working with the results of a query.

Constant Summary

CONNECT_ARGUMENT_ORDER =

The order the options are passed to the `::connect` method.

```
%w[host port options tty dbname user password]
```

Constants included from [Constants](#)

```
PG::Constants::CONNECTION_AUTH_OK, PG::Constants::CONNECTION_AWAITING_RESPONSE,
PG::Constants::CONNECTION_BAD, PG::Constants::CONNECTION_MADE,
PG::Constants::CONNECTION_NEEDED, PG::Constants::CONNECTION_OK,
PG::Constants::CONNECTION_SETENV, PG::Constants::CONNECTION_SSL_STARTUP,
PG::Constants::CONNECTION_STARTED, PG::Constants::INVALID_OID, PG::Constants::INV_READ,
PG::Constants::INV_WRITE, PG::Constants::InvalidOid, PG::Constants::PGRES_BAD_RESPONSE,
PG::Constants::PGRES_COMMAND_OK, PG::Constants::PGRES_COPY_BOTH,
PG::Constants::PGRES_COPY_IN, PG::Constants::PGRES_COPY_OUT,
PG::Constants::PGRES_EMPTY_QUERY, PG::Constants::PGRES_FATAL_ERROR,
PG::Constants::PGRES_NONFATAL_ERROR, PG::Constants::PGRES_POLLING_FAILED,
PG::Constants::PGRES_POLLING_OK, PG::Constants::PGRES_POLLING_READING,
PG::Constants::PGRES_POLLING_WRITING, PG::Constants::PGRES_SINGLE_TUPLE,
PG::Constants::PGRES_TUPLES_OK, PG::Constants::PG_DIAG_COLUMN_NAME,
```

PG::Constants::PG_DIAG_CONSTRAINT_NAME, PG::Constants::PG_DIAG_CONTEXT,
PG::Constants::PG_DIAG_DATATYPE_NAME, PG::Constants::PG_DIAG_INTERNAL_POSITION,
PG::Constants::PG_DIAG_INTERNAL_QUERY, PG::Constants::PG_DIAG_MESSAGE_DETAIL,
PG::Constants::PG_DIAG_MESSAGE_HINT, PG::Constants::PG_DIAG_MESSAGE_PRIMARY,
PG::Constants::PG_DIAG_SCHEMA_NAME, PG::Constants::PG_DIAG_SEVERITY,
PG::Constants::PG_DIAG_SOURCE_FILE, PG::Constants::PG_DIAG_SOURCE_FUNCTION,
PG::Constants::PG_DIAG_SOURCE_LINE, PG::Constants::PG_DIAG_SQLSTATE,
PG::Constants::PG_DIAG_STATEMENT_POSITION, PG::Constants::PG_DIAG_TABLE_NAME,
PG::Constants::PQERRORS_DEFAULT, PG::Constants::PQERRORS_TERSE,
PG::Constants::PQERRORS_VERBOSE, PG::Constants::PQPING_NO_ATTEMPT,
PG::Constants::PQPING_NO_RESPONSE, PG::Constants::PQPING_OK,
PG::Constants::PQPING_REJECT, PG::Constants::PQTRANS_ACTIVE,
PG::Constants::PQTRANS_IDLE, PG::Constants::PQTRANS_INERROR,
PG::Constants::PQTRANS_INTRANS, PG::Constants::PQTRANS_UNKNOWN, PG::Constants::SEEK_CUR,
PG::Constants::SEEK_END, PG::Constants::SEEK_SET

Class Method Summary

[collapse](#)

`.conndefaults` ⇒ Object

call-seq: PG::Connection.conndefaults() -> Array.

`.conndefaults_hash` ⇒ Object

Return the Postgres connection defaults structure as a Hash keyed by option keyword (as a Symbol).

`.connect_start(*args)` ⇒ Object

This is an asynchronous version of PG::Connection.connect().

`.PG::Connection.encrypt_password(password, username)` ⇒ String

This function is intended to be used by client applications that send commands like: ALTER USER joe PASSWORD 'pwd'.

`.escape_bytea(string)` ⇒ String

Escapes binary data for use within an SQL command with the type bytea.

`.escape_string(str)` ⇒ String

Returns a SQL-safe version of the String *str*.

`.parse_connect_args(*args)` ⇒ Object

Parse the connection args into a connection-parameter string.

`.ping(*args)` ⇒ Object

Check server status.

`.quote_connstr(value)` ⇒ Object

Quote the given value for use in a connection-parameter string.

`.quote_ident(str_or_array)` ⇒ Object

Returns a string that is safe for inclusion in a SQL query as an identifier.

`.PG::Connection.unescape_bytea(string)` ⇒ Object