PostgreSQL Data Types

www.databasestar.com

Numeric

SMALLINT	A small integer number Range -32,768 to +32,767
INTEGER	An integer number Range -2,147,483,648 to +2,147,483,647,
BIGINT	A large integer number Range -9,223,372,036,854,775,808 to +9,223,372,036,854,775,807
DECIMAL	A decimal number with precision. Range: up to 131,072 digits before the decimal point; up to 16,383 digits after the decimal point
NUMERIC (p, s)	A decimal number with precision of "p" and scale of "s" Range: up to 131,072 digits before the decimal point; up to 16,383 digits after the decimal point
REAL	A floating-point variable-precision number. 6 decimal digits precision
DOUBLE PRECISION	A floating-point variable-precision number. 15 decimal digits precision
SMALLSERIAL	A small automatically incrementing integer. Range: 1 to 32,767
SERIAL	An automatically incrementing integer. Range: 1 to 2,147,483,647
BIGSERIAL	A large automatically incrementing integer. Range: 1 to 9,223,372,036,854,775,807
MONEY	A currency amount. Range: -92,233,720,368,547,758.08 to +92,233,720,368,547,758.07

Date

TIMESTAMP (p)	A date and time value with no time zone. Precision "p" can be specified which is the number of fractional seconds. Range: 4713 BC to 294276 AD
TIMESTAMP (p) WITH TIME ZONE	A date and time value with time zone. Precision "p" can be specified which is the number of fractional seconds. Range: 4713 BC to 294276 AD
DATE	A date but no time. Range: 4713 BC to 5874897 AD
TIME (p)	A time of day with no date Precision "p" can be specified which is the number of fractional seconds. Range: 00:00:00 to 24:00:00
TIME (p) WITH TIME ZONE	A time of day with no date and a time zone Precision "p" can be specified which is the number of fractional seconds. Range: 00:00:00+1459 to 24:00:00-1459
INTERVAL [fields] (p)	An interval of time. Precision "p" can be specified which is the number of fractional seconds. The parameter "fields" can be used to specify the type of data (e.g. YEAR, MONTH, DAY TO HOUR) Range: -178,000,000 years to 178,000,000 years

Character

CHARACTER VARYING (n)	A variable-length string up to "n" characters. Range: Up to 10,485,760 characters (1GB)
VARCHAR (n)	A variable-length string up to "n" characters. Range: Up to 10,485,760 characters (1GB)
CHARACTER (n)	A fixed-length string, padded to a length of "n" characters. Range: Up to 10,485,760 characters (1GB)
CHAR (n)	A fixed-length string, padded to a length of "n" characters. Range: Up to 10,485,760 characters (1GB)
TEXT	A variable length string
BYTEA	A variable-length binary string. Similar to BLOB
ENUM	A set of values that can be used for a column.
JSON	Stores JSON data
JSONB	Stores JSON data in binary format, and can support indexing.

Other

BOOLEAN	Stores either true or false. True, yes, on, 1. False, no off, 0.
POINT	A point of geometry
LINE	A line of geometry
LSEG	A segment of a line
BOX	A rectangular box
PATH	An open path
POLYGON	A polygon or shape
CIRCLE	A circle
CIDR	Stores IPv4 and IPv6 network addresses
INET	Stores IPv4 and IPv6 hosts and network addresses
MACADDR	Stores MAC addresses using 6 bytes.
MACADDR8	Stores MAC addresses using 8 bytes (the EUI-64 format)
TSVECTOR	A sorted list of words
TSQUERY	A list of words to be searched for
UUID	Stores a Universally Unique Identifier (or GUID). A 128-bit generated value
XML	Stores XML data
PG_LSN	PostgreSQL Log Sequence Number
TXID_SNAPSHOT	A user-level transaction ID snapshot