

SQL database drivers

The database/sql and database/sql/driver packages are designed for using databases from Go and implementing database drivers, respectively.

See the design goals doc:

<http://golang.org/src/pkg/database/sql/doc.txt>

Drivers

Drivers for Go's sql package include:

- **Apache H2**: <https://github.com/jmroble/h2go>
- **Apache Ignite/GridGain**: <https://github.com/amsokol/ignite-go-client>
- **Apache Impala**: <https://github.com/bippio/go-impala>
- **Apache Avatica/Phoenix**: <https://github.com/apache/calcite-avatica-go>
- **Amazon AWS Athena**: <https://github.com/uber/athenadriver>
- **AWS Athena**: <https://github.com/segmentio/go-athena>
- **Azure Cosmos DB**: <https://github.com/btnguyen2k/gocosmos>
- **ClickHouse** (uses native TCP interface): <https://github.com/ClickHouse/clickhouse-go>
- **ClickHouse** (uses HTTP API): <https://github.com/mailru/go-clickhouse>
- **CockroachDB**: Use any PostgreSQL driver
- **Couchbase N1QL**: https://github.com/couchbase/go_n1ql
- **DB2 LUW and DB2/Z with DB2-Connect**: <https://bitbucket.org/phiggins/db2cli> (Last updated 2015-08)
- **DB2 LUW** (uses cgo): <https://github.com/asifjalil/cli>
- **DB2 LUW, z/OS, iSeries and Informix**: https://github.com/ibmdb/go_ibm_db
- **Exasol**: (pure Go): <https://github.com/exasol/exasol-driver-go>
- **Firebird SQL**: <https://github.com/nakagami/firebirdsql>
- **Genji** (pure go): <https://github.com/genjldb/genji>
- **Google Cloud BigQuery**: <https://github.com/solcates/go-sql-bigquery>
- **Google Cloud Spanner**: <https://github.com/rakyll/go-sql-driver-spanner>
- **MS ADODB**: <https://github.com/matttn/go-adodb>
- **MS SQL Server** (pure go): <https://github.com/denisekom/go-mssqldb>
- **MS SQL Server** (uses cgo): <https://github.com/minus5/gofreetds>
- **MySQL**: <https://github.com/go-sql-driver/mysql/> [*]
- **MySQL**: <https://github.com/siddontang/go-mysql/> [**] (also handles replication)
- **MySQL**: <https://github.com/ziutek/mymysql> [*]
- **ODBC**: <https://bitbucket.org/miquella/mgodbc> (Last updated 2016-02)
- **ODBC**: <https://github.com/alexbrainman/odbc>
- **Oracle** (uses cgo): <https://github.com/matttn/go-oci8>
- **Oracle** (uses cgo): <https://gopkg.in/rana/ora.v4>

- **Oracle** (uses cgo): <https://github.com/godror/godror>
- **Oracle** (pure go): <https://github.com/sijms/go-ora>
- **QL**: <https://pkg.go.dev/github.com/cznic/ql/driver>
- **Postgres** (pure Go): <https://github.com/lib/pq> [*]
- **Postgres** (uses cgo): <https://github.com/jbarham/gopgsqldriver>
- **Postgres** (pure Go): <https://github.com/jackc/pgx> [*]
- **Presto**: <https://github.com/prestodb/presto-go-client>
- **SAP HANA** (uses cgo): <https://help.sap.com/viewer/0eec0d68141541d1b07893a39944924e/2.0.03/en-US/0ffbe86c9d9f44338441829c6bee15e6.html>
- **SAP HANA** (pure go): <https://github.com/SAP/go-hdb>
- **SAP ASE** (pure go): <https://github.com/SAP/go-ase>
- **SAP ASE** (uses cgo): <https://github.com/SAP/cgo-ase>
- **SingleStore**: Use any MySQL driver
- **Snowflake** (pure Go): <https://github.com/snowflakedb/gosnowflake>
- **SQLite** (uses cgo): <https://github.com/matttn/go-sqlite3> [*]
- **SQLite** (uses cgo): <https://github.com/gwenn/gosqlite> - Supports SQLite dynamic data typing
- **SQLite** (uses cgo): <https://github.com/mxk/go-sqlite>
- **SQLite**: (uses cgo): <https://github.com/rsc/sqlite>
- **SQLite**: (pure go): <https://modernc.org/sqlite>
- **SQL over REST**: <https://github.com/adaptant-labs/go-sql-rest-driver>
- **Sybase SQL Anywhere**: <https://github.com/a-palchikov/sqlago>
- **Sybase ASE** (pure go): <https://github.com/thda/tds>
- **TiDB**: Use any MySQL driver
- **Vertica**: <https://github.com/vertica/vertica-sql-go>
- **Vitess**: <https://pkg.go.dev/vitess.io/vitess/go/vt/vitessdriver>
- **YQL (Yahoo! Query Language)**: <https://github.com/matttn/go-yql>
- **Apache Hive**: <https://github.com/sql-machine-learning/gohive>
- **MaxCompute**: <https://github.com/sql-machine-learning/gomaxcompute>

Drivers marked with [*] are both included in and pass the compatibility test suite at <https://github.com/bradfitz/go-sql-test>. Drivers marked with [**] pass the compatibility test suite but are not currently included in it.