



**OpenFGA**

**<https://github.com/openfga/openfga>**

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## Dependencies

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- ccache (ae1872d7009cf48f9441f62753360265b4016da7) [MIT]
- cli (a224086349269551becacce16e5842ceeb2a98d6) [Apache-2.0, Multi-license: Apache-2.0 OR CC-BY-SA-4.0, Multi-license: Apache-2.0 OR LGPL-2.1-or-later, BSD-3-Clause, MIT, BSD-2-Clause, ISC, CC-BY-SA-4.0, CC-BY-4.0, IPA, MPL-2.0]
- cloud.google.com/go (v0.102.0) [Apache-2.0, BSD-2-Clause, BSD-3-Clause]
- cloud.google.com/go/bigquery (v1.8.0) [Apache-2.0, Multi-license: Apache-2.0 OR MIT, BSD-2-Clause]
- cloud.google.com/go/compute (v1.7.0) [Apache-2.0, BSD-3-Clause, BSD-2-Clause]
- cloud.google.com/go/datastore (v1.1.0) [Apache-2.0, Multi-license: Apache-2.0 OR MIT, BSD-2-Clause]
- cloud.google.com/go/firestore (v1.6.1) [Apache-2.0, BSD-3-Clause, BSD-2-Clause]
- cloud.google.com/go/iam (v0.3.0) [Apache-2.0]
- cloud.google.com/go/pubsub (v1.3.1) [Apache-2.0, Multi-license: Apache-2.0 OR MIT, BSD-2-Clause]
- cloud.google.com/go/storage (v1.22.1) [Apache-2.0, BSD-2-Clause, BSD-3-Clause]
- dmitri.shuralyov.com/gpu/mtl (666a987793e9) [BSD-3-Clause]
- enterprise-certificate-proxy (fd19c99a87aaa23c18aac95b491590df05b7d72e) [Apache-2.0]
- github.com/antihax/optional (v1.0.0) [MIT]
- github.com/armon/go-metrics (v0.3.10) [MIT]
- github.com/avast/retry-go/v4 (v4.1.0) [MIT]
- github.com/Azure/go-ansiterm (d185dfc1b5a1) [MIT]
- github.com/benbjohnson/clock (v1.1.0) [MIT]
- github.com/BurntSushi/toml (v0.3.1) [MIT, BSD-3-Clause, ISC]
- github.com/BurntSushi/xgb (27f122750802) [BSD-3-Clause, MIT, WTFPL]
- github.com/cenkalti/backoff/v4 (v4.1.3) [MIT]
- github.com/census-instrumentation/opencensus-proto (v0.2.1) [Apache-2.0]
- github.com/cespare/xxhash (v1.1.0) [MIT]
- github.com/cespare/xxhash/v2 (v2.1.1) [MIT]
- github.com/chzyer/logex (v1.1.10) [No licenses found]
- github.com/chzyer/readline (2972be24d48e) [MIT, BSD-3-Clause, WTFPL]
- github.com/chzyer/test (a1ea475d72b1) [MIT]
- github.com/ClickHouse/clickhouse-go/v2 (v2.2.0) [Apache-2.0, Multi-license: Apache-2.0 OR MIT]

- [github.com/client9/misspell](https://github.com/client9/misspell) (v0.3.4) [MIT, BSD-3-Clause]
- [github.com/cncf/udpa/go](https://github.com/cncf/udpa/go) (04548b0d99d4) [Apache-2.0]
- [github.com/cncf/xds/go](https://github.com/cncf/xds/go) (cb28da3451f1) [Apache-2.0]
- [github.com/cockroachdb/apd](https://github.com/cockroachdb/apd) (v1.1.0) [Apache-2.0, BSD-3-Clause]
- [github.com/containerd/continuity](https://github.com/containerd/continuity) (v0.3.0) [Apache-2.0, BSD-3-Clause, Multi-license: Apache-2.0 OR CC-BY-SA-4.0, CC-BY-SA-4.0, MIT]
- [github.com/coreos/go-semver](https://github.com/coreos/go-semver) (v0.3.0) [Apache-2.0]
- [github.com/coreos/go-systemd](https://github.com/coreos/go-systemd) (fd7a80b32e1f) [Apache-2.0]
- [github.com/coreos/go-systemd/v22](https://github.com/coreos/go-systemd/v22) (v22.3.2) [Apache-2.0]
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- [github.com/davecgh/go-spew](https://github.com/davecgh/go-spew) (v1.1.1) [ISC]
- [github.com/denisenkom/go-mssqldb](https://github.com/denisenkom/go-mssqldb) (v0.12.2) [BSD-3-Clause]
- [github.com/docker/distribution](https://github.com/docker/distribution) (v2.8.1) [Apache-2.0, Multi-license: Apache-2.0 OR CC-BY-SA-4.0, BSD-2-Clause, MIT, BSD-3-Clause, CC-BY-SA-4.0, Zlib]
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- [github.com/docker/go-units](https://github.com/docker/go-units) (v0.4.0) [Apache-2.0]
- [github.com/envoyproxy/go-control-plane](https://github.com/envoyproxy/go-control-plane) (49ff273808a1) [Apache-2.0]
- [github.com/envoyproxy/protoc-gen-validate](https://github.com/envoyproxy/protoc-gen-validate) (v0.1.0) [Apache-2.0, BSD-3-Clause, MIT, BSD-2-Clause, ISC]
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- [github.com/go-gl/glfw/v3.3/glfw](https://github.com/go-gl/glfw/v3.3/glfw) (6f7a984d4dc4) [BSD-3-Clause, Zlib, MIT, Multi-license: MIT OR Unlicense, LGPL-2.1-or-later, Apache-2.0, OML]
- [github.com/go-kit/kit](https://github.com/go-kit/kit) (v0.9.0) [MIT, BSD-3-Clause]
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- [github.com/go-logr/stdr](https://github.com/go-logr/stdr) (v1.2.2) [Apache-2.0]
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- [github.com/gogo/protobuf](https://github.com/gogo/protobuf) (v1.3.2) [BSD-3-Clause, BSD-2-Clause]
- [github.com/golang-jwt/jwt/v4](https://github.com/golang-jwt/jwt/v4) (v4.4.2) [MIT]
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- [github.com/golang/glog](https://github.com/golang/glog) (v1.0.0) [Apache-2.0]
- [github.com/golang/groupcache](https://github.com/golang/groupcache) (41bb18bfe9da) [Apache-2.0]
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- [github.com/googleapis/gax-go/v2](https://github.com/googleapis/gax-go/v2) (v2.4.0) [BSD-3-Clause, Apache-2.0]
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- [github.com/xeipuuv/gojsonpointer](https://github.com/xeipuuv/gojsonpointer) (4e3ac2762d5f) [Apache-2.0]
- [github.com/xeipuuv/gojsonreference](https://github.com/xeipuuv/gojsonreference) (bd5ef7bd5415) [Apache-2.0]
- [github.com/xeipuuv/gojsonschema](https://github.com/xeipuuv/gojsonschema) (v1.2.0) [Apache-2.0]
- [github.com/yuin/goldmark](https://github.com/yuin/goldmark) (v1.3.5) [MIT]
- [github.com/zenazn/goji](https://github.com/zenazn/goji) (v0.9.0) [MIT]
- [github.com/ziutek/mymysql](https://github.com/ziutek/mymysql) (v1.5.4) [BSD-3-Clause]
- [go-genproto](https://github.com/genproto) (83ce21fca29fd74fc3402bc6677faceb7481507e) [Apache-2.0, IPA, MIT, Multi-license: LGPL-2.1-only OR MIT]
- [go.buf.build/openfga/go/envoyproxy/protoc-gen-validate](https://go.buf.build/openfga/go/envoyproxy/protoc-gen-validate) (v1.2.6) [No licenses found]
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- [go.buf.build/openfga/go/openfga/api](https://go.buf.build/openfga/go/openfga/api) (v1.2.24) [Apache-2.0]
- [go.etcd.io/etcd/api/v3](https://go.etcd.io/etcd/api/v3) (v3.5.4) [Apache-2.0, BSD-3-Clause]
- [go.etcd.io/etcd/client/pkg/v3](https://go.etcd.io/etcd/client/pkg/v3) (v3.5.4) [Apache-2.0, BSD-3-Clause]
- [go.etcd.io/etcd/client/v2](https://go.etcd.io/etcd/client/v2) (v2.305.4) [Apache-2.0, BSD-3-Clause]
- [go.etcd.io/etcd/client/v3](https://go.etcd.io/etcd/client/v3) (v3.5.4) [Apache-2.0, BSD-3-Clause]
- [go.opencensus.io](https://go.opencensus.io) (v0.23.0) [Apache-2.0]
- [go.opentelemetry.io/otel](https://go.opentelemetry.io/otel) (v1.8.0) [Apache-2.0, Multi-license: Apache-2.0 OR BSD-3-Clause OR FSFAP OR MIT]
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- modernc.org/strutil (v1.1.1) [BSD-3-Clause]

- modernc.org/token (v1.0.0) [BSD-3-Clause]

- opentelemetry-go-contrib (e18a4d6796680c2e6937f52cc863c53d1d1541e1) [Apache-2.0]

- orb (6f098c10dc864dc4c5c0b993554f96c6fbb245cc) [MIT]

- protobuf (6875c3d7242d1a3db910ce8a504f124cb840c23a) [BSD-3-Clause]

- rsc.io/binaryregexp (v0.2.0) [BSD-3-Clause]

- rsc.io/quote/v3 (v3.1.0) [BSD-3-Clause]

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- sys (a90be440212d0ff450b66ce871c8b725fbc60f7c) [BSD-3-Clause]

- terminal (0940f3fc43a0ed42d04916b1c04578462c650b09) [BSD-3-Clause]

- ulid (09b4b3eae8826fac0fcc4d1505eb00179d508cf6) [Apache-2.0]

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ccache (ae1872d7009cf48f9441f62753360265b4016da7)  
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dmitri.shuralyov.com/gpu/mtl (666a987793e9)  
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enterprise-certificate-proxy (fd19c99a87aaa23c18aac95b491590df05b7d72e)  
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github.com/antihax/optional (v1.0.0)

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github.com/armon/go-metrics (v0.3.10)  
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[github.com/avast/retry-go/v4](https://github.com/avast/retry-go/v4) (v4.1.0)

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[github.com/Azure/go-ansiterm](https://github.com/Azure/go-ansiterm) (d185dfc1b5a1)

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[github.com/benbjohnson/clock \(v1.1.0\)](https://github.com/benbjohnson/clock)  
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github.com/BurntSushi/toml (v0.3.1)

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github.com/BurntSushi/xgb (27f122750802)

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github.com/cenkalti/backoff/v4 (v4.1.3)

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github.com/census-instrumentation/opencensus-proto (v0.2.1)

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github.com/cespare/xxhash (v1.1.0)  
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[github.com/cespare/xxhash/v2](https://github.com/cespare/xxhash/v2) (v2.1.1)

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github.com/chzyer/logex (v1.1.10)

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github.com/chzyer/readline (2972be24d48e)

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[github.com/chzyer/test](https://github.com/chzyer/test) (a1ea475d72b1)  
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github.com/ClickHouse/clickhouse-go/v2 (v2.2.0)  
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github.com/client9/misspell (v0.3.4)

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github.com/cncf/udpa/go (04548b0d99d4)  
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github.com/coreos/go-semver (v0.3.0)

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github.com/coreos/go-systemd (fd7a80b32e1f)

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github.com/cpuguy83/go-md2man/v2 (v2.0.2)  
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github.com/creack/pty (v1.1.11)  
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[github.com/davecgh/go-spew](https://github.com/davecgh/go-spew) (v1.1.1)

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[github.com/denisenkom/go-mssqldb](https://github.com/denisenkom/go-mssqldb) (v0.12.2)

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github.com/docker/distribution (v2.8.1)  
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github.com/docker/go-connections (v0.4.0)  
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github.com/docker/go-units (v0.4.0)  
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[github.com/envoyproxy/go-control-plane](https://github.com/envoyproxy/go-control-plane) (49ff273808a1)

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[github.com/envoyproxy/protoc-gen-validate](https://github.com/envoyproxy/protoc-gen-validate) (v0.1.0)

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github.com/fatih/color (v1.13.0)

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github.com/frankban/quicktest (v1.14.3)

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[github.com/fsnotify/fsnotify](https://github.com/fsnotify/fsnotify) (v1.5.4)

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github.com/ghodss/yaml (v1.0.0)  
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github.com/go-errors/errors (v1.4.2)

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github.com/go-gl/glfw (e6da0acd62b1)

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[github.com/go-gl/glfw/v3.3/glfw](https://github.com/go-gl/glfw/v3.3/glfw) (6f7a984d4dc4)

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github.com/go-logr/logr (v1.2.3)

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github.com/go-logr/stdr (v1.2.2)

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github.com/golang-sql/sqlexp (v0.1.0)  
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github.com/golang/glog (v1.0.0)  
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github.com/golang/groupcache (41bb18bfe9da)  
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github.com/golang/mock (v1.6.0)

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[github.com/golang/snappy](https://github.com/golang/snappy) (v0.0.3)

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github.com/google/btree (v1.0.0)  
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github.com/google/go-cmp (v0.5.8)

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github.com/google/martian (v2.1.0)  
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github.com/google/martian/v3 (v3.2.1)  
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[github.com/google/pprof \(4bb14d4b1be1\)](https://github.com/google/pprof)

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github.com/google/renameio (v0.1.0)

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github.com/google/shlex (e7afc7fbc510)

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github.com/google/uuid (v1.3.0)  
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[github.com/googleapis/gax-go/v2](https://github.com/googleapis/gax-go/v2) (v2.4.0)

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[github.com/googleapis/go-type-adapters \(v1.0.0\)](https://github.com/googleapis/go-type-adapters)  
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github.com/googleapis/google-cloud-go-testing (bcd43fbb19e8)  
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github.com/jackc/pgio (v1.0.0)

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[github.com/jackc/pgmock](https://github.com/jackc/pgmock) (4ad1a8207f65)

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[github.com/jackc/pgpassfile](https://github.com/jackc/pgpassfile) (v1.0.0)

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[github.com/jackc/pgproto3](https://github.com/jackc/pgproto3) (v1.1.0)  
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[github.com/jackc/pgproto3/v2](https://github.com/jackc/pgproto3/v2) (v2.3.0)  
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github.com/jackc/pgservicefile (2b9c44734f2b)

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github.com/jackc/pgtype (v1.11.0)

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[github.com/jackc/pgx/v4](https://github.com/jackc/pgx/v4) (v4.16.1)

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github.com/jackc/puddle (v1.2.1)

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[github.com/json-iterator/go](https://github.com/json-iterator/go) (v1.1.12)

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[github.com/jstemmer/go-junit-report](https://github.com/jstemmer/go-junit-report) (v0.9.1)  
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github.com/karlseguin/expect (778a5f0c6003)  
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github.com/kballard/go-shellquote (95032a82bc51)  
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[github.com/kisielk/errcheck \(v1.5.0\)](https://github.com/kisielk/errcheck)  
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github.com/kisielk/gotool (v1.0.0)  
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github.com/konsorten/go-windows-terminal-sequences (v1.0.2)  
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github.com/kr/fs (v0.1.0)  
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github.com/kr/logfmt (b84e30acd515)

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[github.com/kr/pretty](https://github.com/kr/pretty) (v0.3.0)  
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[github.com/kr/pty](https://github.com/kr/pty) (v1.1.8)

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[github.com/kr/text](https://github.com/kr/text) (v0.2.0)

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[github.com/lann/builder](https://github.com/lann/builder) (47ae307949d0)

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[github.com/lann/ps](https://github.com/lann/ps) (62de8c46ede0)  
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github.com/lib/pq (v1.10.6)

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[github.com/magiconair/properties \(v1.8.6\)](https://github.com/magiconair/properties)  
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[github.com/Masterminds/semver/v3](https://github.com/Masterminds/semver/v3) (v3.1.1)

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[github.com/Masterminds/squirrel](https://github.com/Masterminds/squirrel) (v1.5.3)

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github.com/mattn/go-colorable (v0.1.12)  
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github.com/mattn/go-isatty (v0.0.14)

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github.com/Microsoft/go-winio (v0.5.2)

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github.com/mitchellh/go-homedir (v1.1.0)  
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github.com/mitchellh/mapstructure (v1.5.0)  
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github.com/moby/term (3f7ff695adc6)  
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github.com/modern-go/concurrent (bacd9c7ef1dd)  
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github.com/morikuni/aec (v1.0.0)

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[github.com/Nvveen/Gotty](https://github.com/Nvveen/Gotty) (cd527374f1e5)

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github.com/OneOfOne/xxhash (v1.2.2)  
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github.com/opencontainers/runc (v1.1.2)

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github.com/opentracing/opentracing-go (v1.1.0)  
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github.com/pborman/getopt (7148bc3a4c30)

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github.com/pelletier/go-toml (v1.9.5)

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Changes:

\* Renamed files from `civil*` to `localtime*`.

- \* Package changed from civil to toml.
- \* 'Local' prefix added to all structs.

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localtime.go, localtime\_test.go:

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Changes:

- \* Renamed files from civil\* to localtime\*.
- \* Package changed from civil to toml.
- \* 'Local' prefix added to all structs.

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[github.com/pelletier/go-toml/v2](https://github.com/pelletier/go-toml/v2) (v2.0.1)

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[github.com/pkg/errors](https://github.com/pkg/errors) (v0.9.1)

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github.com/pkg/sftp (v1.13.1)  
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[github.com/pmezard/go-difflib](https://github.com/pmezard/go-difflib) (v1.0.0)

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github.com/prometheus/client\_model (14fe0d1b01d4)  
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[github.com/remyoudompheng/bigfft](https://github.com/remyoudompheng/bigfft) (eec4a21b6bb0)  
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github.com/rogpeppe/fastuuid (v1.2.0)  
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github.com/rogpeppe/go-internal (v1.6.1)  
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github.com/rs/cors (v1.8.2)  
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github.com/rs/xid (v1.2.1)

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github.com/rs/zerolog (v1.15.0)

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[github.com/russross/blackfriday/v2](https://github.com/russross/blackfriday/v2) (v2.1.0)

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[github.com/sagikazarmark/crypt](https://github.com/sagikazarmark/crypt) (v0.6.0)

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github.com/satori/go.uuid (v1.2.0)

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github.com/shopspring/decimal (v1.3.1)

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[github.com/sirupsen/logrus](https://github.com/sirupsen/logrus) (v1.8.1)

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[github.com/spaolacci/murmur3 \(f09979ecbc72\)](https://github.com/spaolacci/murmur3)  
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github.com/spf13/afero (v1.8.2)  
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github.com/spf13/cast (v1.5.0)  
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github.com/spf13/jwalterweatherman (v1.1.0)

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github.com/spf13/pflag (v1.0.5)

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[github.com/spf13/viper](https://github.com/spf13/viper) (v1.12.0)  
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github.com/stretchr/testify (v1.8.0)

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github.com/subosito/gotenv (v1.3.0)

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[github.com/tidwall/gjson](https://github.com/tidwall/gjson) (v1.14.1)

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github.com/tidwall/match (v1.1.1)

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github.com/tidwall/pretty (v1.2.0)

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github.com/xeipuuv/gojsonpointer (4e3ac2762d5f)  
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[github.com/xeipuuuv/gojsonreference](https://github.com/xeipuuuv/gojsonreference) (bd5ef7bd5415)  
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github.com/xeipuuv/gojsonschema (v1.2.0)  
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github.com/yuin/goldmark (v1.3.5)

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github.com/zenazn/goji (v0.9.0)

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github.com/ziutek/mymysql (v1.5.4)  
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go.uber.org/tools (2cfd321de3ee)  
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go.uber.org/zap (v1.21.0)  
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golang.org/x/crypto (7b82a4e95df4)  
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golang.org/x/exp (6cc2880d07d6)  
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golang.org/x/image (cff245a6509b)

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golang.org/x/lint (6edffad5e616)

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golang.org/x/mobile (d2bd2a29d028)

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golang.org/x/mod (v0.4.2)

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[golang.org/x/net](http://golang.org/x/net) (c7608f3a8462)  
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[golang.org/x/sync](https://golang.org/x/sync) (0de741cfad7f)

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golang.org/x/text (v0.3.7)  
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golang.org/x/time (583f2d630306)  
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golang.org/x/xerrors (65e65417b02f)

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google.golang.org/api (v0.84.0)

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[google.golang.org/grpc/cmd/protoc-gen-go-grpc](http://google.golang.org/grpc/cmd/protoc-gen-go-grpc) (v1.1.0)

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keyfunc (03837cc488030bd8b075471c7e87a7a3cc202ac7)

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Authors/contributors include:

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Alexander Monakov  
Anthony G. Basile  
Arvid Picciani  
Bobby Bingham  
Boris Brezillon  
Brent Cook  
Chris Spiegel  
Clément Vasseur  
Daniel Micay  
Denys Vlasenko  
Emil Renner Berthing  
Felix Fietkau  
Felix Janda  
Gianluca Anzolin  
Hauke Mehrtens  
Hiltjo Posthuma  
Isaac Dunham  
Jaydeep Patil  
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John Spencer  
Josiah Worcester  
Justin Cormack

Khem Raj  
Kylie McClain  
Luca Barbato  
Luka Perkov  
M Farkas-Dyck (Strake)  
Mahesh Bodapati  
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Authors/contributors include:

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Anthony G. Basile  
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Authors/contributors include:

Alex Dowad  
Alexander Monakov  
Anthony G. Basile  
Arvid Picciani  
Bobby Bingham  
Boris Brezillon  
Brent Cook  
Chris Spiegel  
Clément Vasseur  
Daniel Micay  
Denys Vlasenko  
Emil Renner Berthing  
Felix Fietkau  
Felix Janda  
Gianluca Anzolin  
Hauke Mehrtens  
Hiltjo Posthuma  
Isaac Dunham  
Jaydeep Patil  
Jens Gustedt  
Jeremy Huntwork  
Jo-Philipp Wich  
Joakim Sindholt  
John Spencer  
Josiah Worcester  
Justin Cormack  
Khem Raj  
Kylie McClain  
Luca Barbato

Luka Perkov  
M Farkas-Dyck (Strake)  
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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Version 3.1, 31 March 2009

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Gocheck - A rich testing framework for Go

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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\* [golang.org/x/mod/module](https://golang.org/x/mod/module) - <https://github.com/golang/mod>

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[localtime.go](https://github.com/pelletier/go-toml/blob/master/localtime.go), [localtime\\_test.go](https://github.com/pelletier/go-toml/blob/master/localtime_test.go):

Originals:

<https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil.go>

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Changes:

- \* Renamed files from civil\* to localtime\*.
- \* Package changed from civil to toml.
- \* 'Local' prefix added to all structs.

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Anthony G. Basile  
Arvid Picciani  
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Boris Brezillon  
Brent Cook  
Chris Spiegel  
Clément Vasseur  
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