

Well-known struct tags

Background

Go offers struct tags which are discoverable via reflection. These enjoy a wide range of use in the standard library in the JSON/XML and other encoding packages.

The community welcomed them and has built ORMs, further encodings, flag parsers and much more around them since, especially for these tasks, single-sourcing is beneficial for data structures.

Problem description

Due to increased usage of Go and thus Go struct tags, clashes become inevitable.

Solution

The list below is a best effort to document well-known struct tags used by packages which are available to the public.

Format of the list

- Struct tag as extracted by calling `https://pkg.go.dev/reflect#StructTag.Get` with this tag as the **key** argument.
- Documentation link of this package using `https://pkg.go.dev`

Example entry

Tag	Documentation
xml	https://pkg.go.dev/encoding/xml

Change Management

List entries can be added by anyone who creates a public package where a new tag is used. List entries can be removed when the links to the package documentation stops working or the author(s) of that package requests it.

List of well-known struct tags

Tag	Documentation
xml	https://pkg.go.dev/encoding/xml
json	https://pkg.go.dev/encoding/json
asn1	https://pkg.go.dev/encoding/asn1
reform	https://pkg.go.dev/gopkg.in/reform.v1

Tag	Documentation
dynamodb	https://docs.aws.amazon.com/sdk-for-go/api/service/dynamodb/dynamodbattribute/#Marshal
bigquery	https://pkg.go.dev/cloud.google.com/go/bigquery
datastore	https://pkg.go.dev/cloud.google.com/go/datastore
spanner	https://pkg.go.dev/cloud.google.com/go/spanner
bson	https://pkg.go.dev/labix.org/v2/mgo/bson , https://pkg.go.dev/go.mongodb.org/mongo-driver/bson/bsoncodec
gorm	https://pkg.go.dev/github.com/jinzhu/gorm
yaml	https://pkg.go.dev/gopkg.in/yaml.v2
toml	https://pkg.go.dev/github.com/pelletier/go-toml
validate	https://github.com/go-playground/validator
mapstructure	https://pkg.go.dev/github.com/mitchellh/mapstructure
parser	https://pkg.go.dev/github.com/alecthomas/participle
protobuf	https://github.com/golang/protobuf
db	https://github.com/jmoiron/sqlx
url	https://github.com/google/go-querystring
feature	https://github.com/nikolaydubina/go-featureprocessing