**Go tools**

**JSON tools**

|  |  |  |
| --- | --- | --- |
| Usage | Reference package | Alternate package (see below) |
| Marshalling | encoding/json |  |
| Schema-based input validation |  | 1. <https://github.com/xeipuuv/gojsonschema> 2. <https://github.com/hiroosak/jsonschema> 3. <https://github.com/csimplestring/go-json-schema> 4. <https://github.com/lestrrat/go-jsval> 5. [lestrrat](https://github.com/lestrrat)/[go-jsschema](https://github.com/lestrrat/go-jsschema) 6. <https://github.com/johandorland/gojsonvalidator> 7. <https://github.com/janos/jsonschema> 8. <https://github.com/go-jstmpl/go-jsvalidator> 9. <https://github.com/fd/jsonschema> |
| Struct generation from JSON schema |  | 1. <https://github.com/a-h/generate> 2. <https://github.com/cihangir/schema> 3. <https://github.com/idubinskiy/schematyper> 4. <https://github.com/x-formation/schemagen> 5. <https://github.com/snikch/schematype> 6. <https://github.com/taskcluster/jsonschema2go> 7. <https://github.com/schorsch/go-json-schema-tools> 8. <https://github.com/metaleap/go-fromjsonschema> 9. <https://github.com/xthexder/json-structgen> |
| API generation from JSON schema |  | 1. <https://github.com/interagent/schematic> 2. <https://github.com/yohcop/ApiGenCode> 3. <https://github.com/nmerouze/stack> 4. <https://github.com/agonzalezro/restless> |
| JSON schema generation from go struct |  | 1. <https://github.com/taskcluster/go-schematypes> 2. <https://github.com/wy-z/tspec> 3. <https://github.com/mcuadros/go-jsonschema-generator> 4. <https://github.com/yohcop/genJsonSchema> 5. <https://github.com/urakozz/go-json-schema-generator> 6. <https://github.com/mbleigh/schemer> |
| Other |  |  |
| JSON Hyper-schema |  |  |
| JSON References |  | <https://github.com/lestrrat/go-jsref> |

*Alternate packages stats and evaluation*

Schema-based input validation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Package | Last commit as of 10/05 | Popularity  (imported by) | Issues | Open pull requests/Total | Contributors | Comment |
| <https://github.com/xeipuuv/gojsonschema> | 21 d |  | 36 | 3/71 | 36 |  |
| <https://github.com/go-jstmpl/go-jsvalidator> | 11 m |  | 1 | 0 | 4 |  |
| <https://github.com/johandorland/gojsonvalidator> | 11 m |  | 0 | 0 | 0 | A CLI based on (1) |
| <https://github.com/janos/jsonschema> | 11 m |  | 0 | 0 | 1 |  |
| <https://github.com/hiroosak/jsonschema> | 2 y 3 m |  | 0 | 0 | 1 |  |
| <https://github.com/lestrrat/go-jsval> | 1 y |  | 0 | 0 | 1 |  |
| [lestrrat](https://github.com/lestrrat)/[go-jsschema](https://github.com/lestrrat/go-jsschema) | 1 y |  | 0 | 0 | 3 |  |
| <https://github.com/csimplestring/go-json-schema> | 1 y 9 m |  | 0 | 0 | 1 |  |
| <https://github.com/fd/jsonschema> | 3 y |  | 0 | 0 | 1 |  |

Struct generation from JSON schema

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Package | Last commit as of 10/05 | Popularity  (imported by) | Issues | Open pull requests/Total | Contributors | Comment |
| <https://github.com/a-h/generate> | 3 m |  | 5 | 1 | 1 | No support for external $ref, array  No comment generate  Good error reporting |
| <https://github.com/cihangir/schema> |  |  | 1 |  | 1 |  |
| <https://github.com/idubinskiy/schematyper> |  |  |  |  |  | Array with stub interface only  No ext reference |
| <https://github.com/x-formation/schemagen> |  |  |  |  |  | Single definition only  External ref  Shaky error handling |
| <https://github.com/snikch/schematype> |  |  |  |  |  |  |
| <https://github.com/taskcluster/jsonschema2go> |  |  |  |  |  |  |
| <https://github.com/schorsch/go-json-schema-tools> |  |  |  |  |  |  |
| <https://github.com/metaleap/go-fromjsonschema> |  |  |  |  |  |  |
| <https://github.com/xthexder/json-structgen> |  |  |  |  |  |  |
| [x](https://github.com/a-h/generate) |  |  |  |  |  |  |

**API/micro-services utilities & framework**

|  |  |  |
| --- | --- | --- |
| Usage | Reference package | Alternate package (see below) |
| µ-service framework |  | <https://github.com/go-kit/kit> |