

List of all GO Interfaces

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While attending dotGo, where the buzzword was clearly *the interface*, I was wondering where I could find a list of all interfaces defined in the GO language. I found nowhere.

Thus I decided to write a little GO program that would;

- Downloads the GO source tarball for a given version.
- Parses source files to extract the interface names and line number where they are defined.
- Write this list on the console in the markdown format.

The project is on Github: <https://github.com/c4s4/gointerfaces>.

Here is the result:

| Interface | Package | 1.0.3 | 1.1.2 | 1.2.2 | 1.3.3 | 1.4.2 |
|--------------------|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| AEAD | crypto/cipher | - | - | source | source | source |
| Addr | net | source | source | source | source | source |
| Auth | net/smtp | source | source | source | source | source |
| BinaryMarshaler | encoding | - | - | source | source | source |
| BinaryUnmarshaler | encoding | - | - | source | source | source |
| Block | crypto/cipher | source | source | source | source | source |
| BlockMode | crypto/cipher | source | source | source | source | source |
| ByteOrder | encoding/binary | source | source | source | source | source |
| ByteReader | io | source | source | source | source | source |
| ByteScanner | io | source | source | source | source | source |
| ByteWriter | io | - | source | source | source | source |
| ClientCodec | net/rpc | source | source | source | source | source |
| ClientSessionCache | crypto/tls | - | - | - | source | source |
| CloseNotifier | net/http | - | source | source | source | source |
| Closer | io | source | source | source | source | source |
| Color | image/color | source | source | source | source | source |
| ColumnConverter | database/sql/driver | source | source | source | source | source |

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|------------|---------------------|--------|--------|--------|--------|--------|
| Conn | net | source | source | source | source | source |
| Conn | database/sql/driver | source | source | source | source | source |
| CookieJar | net/http | source | source | source | source | source |
| Curve | crypto/elliptic | source | source | source | source | source |
| Decl | go/ast | source | source | source | source | source |
| Drawer | image/draw | - | - | source | source | source |
| Driver | database/sql/driver | source | source | source | source | source |
| Error | runtime | source | source | source | source | source |
| Error | net | source | source | source | source | source |
| Execer | database/sql/driver | source | source | source | source | source |
| Expr | go/ast | source | source | source | source | source |
| File | mime/multipart | source | source | source | source | source |
| File | net/http | source | source | source | source | source |
| FileInfo | os | source | source | source | source | source |
| FileSystem | net/http | source | source | source | source | source |
| Flusher | net/http | source | source | source | source | source |
| Formatter | fmt | source | source | source | source | source |
| Generator | testing/quick | source | source | source | source | source |
| Getter | flag | - | - | source | source | source |
| GoStringer | fmt | source | source | source | source | source |
| GobDecoder | encoding/gob | source | source | source | source | source |
| GobEncoder | encoding/gob | source | source | source | source | source |
| Handler | net/http | source | source | source | source | source |
| Hash | hash | source | source | source | source | source |
| Hash32 | hash | source | source | source | source | source |
| Hash64 | hash | source | source | source | source | source |
| Hijacker | net/http | source | source | source | source | source |
| Image | image/draw | source | source | source | source | source |
| Image | image | source | source | source | source | source |
| Interface | container/heap | source | source | source | source | source |

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|------------------|---------------------|--------|--------|--------|--------|--------|
| Interface | sort | source | source | source | source | source |
| Listener | net | source | source | source | source | source |
| Load | debug/macho | source | source | source | source | source |
| Locker | sync | source | source | source | source | source |
| Marshaler | encoding/xml | - | - | source | source | source |
| Marshaler | encoding/json | source | source | source | source | source |
| MarshalerAttr | encoding/xml | - | - | source | source | source |
| Model | image/color | source | source | source | source | source |
| Node | go/ast | source | source | source | source | source |
| Node | text/template/parse | source | source | source | source | source |
| PacketConn | net | source | source | source | source | source |
| PalettedImage | image | source | source | source | source | source |
| PublicSuffixList | net/http/cookiejar | - | source | source | source | source |
| Quantizer | image/draw | - | - | source | source | source |
| Queryer | database/sql/driver | - | source | source | source | source |
| ReadCloser | io | source | source | source | source | source |
| ReaderSeeker | io | source | source | source | source | source |
| ReadWriteCloser | io | source | source | source | source | source |
| ReadWriteSeeker | io | source | source | source | source | source |
| ReadWriter | io | source | source | source | source | source |
| Reader | io | source | source | source | source | source |
| Reader | image/jpeg | source | source | source | source | source |
| Reader | compress/flate | source | source | source | source | source |
| ReaderAt | io | source | source | source | source | source |
| ReaderFrom | io | source | source | source | source | source |
| Resetter | compress/zlib | - | - | - | - | source |
| Resetter | compress/flate | - | - | - | - | source |
| ResponseWriter | net/http | source | source | source | source | source |
| Result | database/sql/driver | source | source | source | source | source |
| Result | database/sql | source | source | source | source | source |

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|-----------------|---------------------|--------|--------|--------|--------|--------|
| RoundTripper | net/http | source | source | source | source | source |
| RoutingMessage | syscall | source | source | source | source | source |
| Rows | database/sql/driver | source | source | source | source | source |
| RuneReader | io | source | source | source | source | source |
| RuneScanner | io | source | source | source | source | source |
| ScanState | fmt | source | source | source | source | source |
| Scanner | database/sql | source | source | source | source | source |
| Scanner | fmt | source | source | source | source | source |
| Seeker | io | source | source | source | source | source |
| ServerCodec | net/rpc | source | source | source | source | source |
| Signal | os | source | source | source | source | source |
| Signer | crypto | - | - | - | - | source |
| SignerOpts | crypto | - | - | - | - | source |
| Sockaddr | syscall | source | source | source | source | source |
| Source | math/rand | source | source | source | source | source |
| State | fmt | source | source | source | source | source |
| Stmt | database/sql/driver | source | source | source | source | source |
| Stmt | go/ast | source | source | source | source | source |
| Stream | crypto/cipher | source | source | source | source | source |
| Stringer | fmt | source | source | source | source | source |
| TB | testing | - | - | source | source | source |
| TextMarshaler | encoding | - | - | source | source | source |
| TextUnmarshaler | encoding | - | - | source | source | source |
| Tx | database/sql/driver | source | source | source | source | source |
| Type | debug/dwarf | source | source | source | source | source |
| Type | reflect | source | source | source | source | source |
| Unmarshaler | encoding/json | source | source | source | source | source |
| Unmarshaler | encoding/xml | - | - | source | source | source |
| UnmarshalerAttr | encoding/xml | - | - | source | source | source |
| Value | flag | source | source | source | source | source |

| | | | | | | |
|----------------|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ValueConverter | database/sql/driver | source | source | source | source | source |
| Valuer | database/sql/driver | source | source | source | source | source |
| Var | expvar | source | source | source | source | source |
| Visitor | go/ast | source | source | source | source | source |
| WriteCloser | io | source | source | source | source | source |
| WriteSeeker | io | source | source | source | source | source |
| Writer | io | source | source | source | source | source |
| WriterAt | io | source | source | source | source | source |
| WriterTo | io | source | source | source | source | source |

You may find a discussion on these interfaces on this page:

<http://mwholt.blogspot.fr/2014/08/maximizing-use-of-interfaces-in-go.html>.

Enjoy!