

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	1.21.5	1.20.12	1.16.14	1.12.17	1.8.7	1.4.3	1.0.0
AEAD	crypto/cipher	source	source	source	source	source	source	-
Addr	net	source	source	source	source	source	source	source
AppendByteOrder	encoding/binary	source	source	-	-	-	-	-
Auth	net/smtp	source	source	source	source	source	source	source
BinaryMarshaler	encoding	source	source	source	source	source	source	-
BinaryUnmarshaler	encoding	source	source	source	source	source	source	-
Block	go/doc/comment	source	source	-	-	-	-	-
Block	crypto/cipher	source	source	source	source	source	source	source
BlockMode	crypto/cipher	source	source	source	source	source	source	source
BufferPool	net/http/httputil	source	source	source	source	source	-	-
ByteOrder	encoding/binary	source	source	source	source	source	source	source
ByteReader	io	source	source	source	source	source	source	source
ByteScanner	io	source	source	source	source	source	source	source
ByteWriter	io	source	source	source	source	source	source	-
	go/doc/testdata/examples	source	source	-	-	-	-	-
	go/doc/testdata/examples	source	source	-	-	-	-	-
ClientCodec	net/rpc	source	source	source	source	source	source	source

Interface	Package	1.21.5	1.20.12	1.16.14	1.12.17	1.8.7	1.4.3	1.0
ClientSessionCache	crypto/tls	source	source	source	source	source	source	-
CloseNotifier	net/http	source	source	source	source	source	source	-
Compressor	io	source	source	source	source	source	source	source
Color	image/color	source	source	source	source	source	source	source
ColumnConverter	database/sql/driver	source	source	source	source	source	source	source
Conn	database/sql/driver	source	source	source	source	source	source	source
Conn	net	source	source	source	source	source	source	source
Conn	syscall	source	source	source	source	-	-	-
ConnBeginTx	database/sql/driver	source	source	source	source	source	-	-
ConnPrepareContext	database/sql/driver	source	source	source	source	source	-	-
Connector	database/sql/driver	source	source	source	source	-	-	-
Context	context	source	source	source	source	source	-	-
CookieJar	net/http	source	source	source	source	source	source	source
Curve	crypto/elliptic	source	source	source	source	source	source	source
Curve	crypto/ecdh	source	source	-	-	-	-	-
Decl	go/ast	source	source	source	source	source	source	source
Decrypter	crypto	source	source	source	source	source	-	-
DecrypterOpts	crypto	-	-	source	source	source	-	-
DirEntry	io/fs	source	source	source	-	-	-	-
Drawer	image/draw	source	source	source	source	source	source	-
Driver	database/sql/driver	source	source	source	source	source	source	source
DriverContext	database/sql/driver	source	source	source	source	-	-	-
EncoderBufferPool	image/png	source	source	source	source	-	-	-
Error	runtime	source	source	source	source	source	source	source
Error	net	source	source	source	source	source	source	source
Execer	database/sql/driver	source	source	source	source	source	source	source
ExecerContext	database/sql/driver	source	source	source	source	source	-	-
Expr	go/ast	source	source	source	source	source	source	source
Expr	go/build/constraint	source	source	source	-	-	-	-

Interface	Package	1.21.5	1.20.12	1.16.14	1.12.17	1.8.7	1.4.3	1.0.0
	io/fs	source	source	source	-	-	-	-
	net/http	source	source	source	source	source	source	source
	mime/multipart	source	source	source	source	source	source	source
	io/fs	source	source	source	-	-	-	-
Info	os	-	-	-	source	source	source	source
Info	io/fs	source	source	source	-	-	-	-
System	net/http	source	source	source	source	source	source	source
Pusher	net/http	source	source	source	source	source	source	source
Formatter	fmt	source	source	source	source	source	source	source
Generator	testing/quick	source	source	source	source	source	source	source
Getter	flag	source	source	source	source	source	source	-
JobFS	io/fs	source	source	source	-	-	-	-
JobStringer	fmt	source	source	source	source	source	source	source
JobDecoder	encoding/gob	source	source	source	source	source	source	source
JobEncoder	encoding/gob	source	source	source	source	source	source	source
Handler	net/http	source	source	source	source	source	source	source
Handler	log/slog	source	-	-	-	-	-	-
Hash	hash	source	source	source	source	source	source	source
Hash32	hash	source	source	source	source	source	source	source
Hash64	hash	source	source	source	source	source	source	source
Handler	net/http	source	source	source	source	source	source	source
Image	image/draw	source	source	source	source	source	source	source
Image	image	source	source	source	source	source	source	source
Reporter	go/types	source	source	source	source	source	-	-
ReporterFrom	go/types	source	source	source	source	source	-	-
Interface	container/heap	source	source	source	source	source	source	source
Interface	sort	source	source	source	source	source	source	source
Unveler	log/slog	source	-	-	-	-	-	-
Listener	net	source	source	source	source	source	source	source

Interface	Package	1.21.5	1.20.12	1.16.14	1.12.17	1.8.7	1.4.3	1.0
Bad	debug/macho	source	source	source	source	source	source	source
Checker	sync	source	source	source	source	source	source	source
ColorValuer	log/slog	source	-	-	-	-	-	-
Encoder	encoding/json	source	source	source	source	source	source	source
Encoder	encoding/xml	source	source	source	source	source	source	-
EncoderAttr	encoding/xml	source	source	source	source	source	source	-
Image	image/color	source	source	source	source	source	source	source
NamedValueChecker	database/sql/driver	source	source	source	source	-	-	-
Node	text/template/parse	source	source	source	source	source	source	source
Node	go/ast	source	source	source	source	source	source	source
Object	go/types	source	source	source	source	source	-	-
Ordered	cmp	source	-	-	-	-	-	-
SocketConn	net	source	source	source	source	source	source	source
UnfilteredImage	image	source	source	source	source	source	source	source
Writer	database/sql/driver	source	source	source	source	source	-	-
PrivateKey	crypto	-	-	source	source	source	source	source
PublicKey	crypto	-	-	source	source	source	source	-
PublicSuffixList	net/http/cookiejar	source	source	source	source	source	source	-
Writer	net/http	source	source	source	source	source	-	-
Quantizer	image/draw	source	source	source	source	source	source	-
Querier	database/sql/driver	source	source	source	source	source	source	-
QuerierContext	database/sql/driver	source	source	source	source	source	-	-
RGBA64Image	image/draw	source	source	-	-	-	-	-
RGBA64Image	image	source	source	-	-	-	-	-
RawConn	syscall	source	source	source	source	-	-	-
RawCloser	io	source	source	source	source	source	source	source
RawDirFS	io/fs	source	source	source	-	-	-	-
RawDirFile	io/fs	source	source	source	-	-	-	-
RawFileFS	io/fs	source	source	source	-	-	-	-

Interface	Package	1.21.5	1.20.12	1.16.14	1.12.17	1.8.7	1.4.3	1.0
ReadSeekCloser	io	source	source	source	-	-	-	-
Reader	io	source	source	source	source	source	source	source
ReadWriteCloser	io	source	source	source	source	source	source	source
ReadWriteSeeker	io	source	source	source	source	source	source	source
Writer	io	source	source	source	source	source	source	source
ImageReader	image/jpeg	source	source	source	source	source	source	source
CompressReader	compress/flate	source	source	source	source	source	source	source
FileReader	io	source	source	source	source	source	source	source
ReaderAt	io	source	source	source	source	source	source	source
ReaderFrom	io	source	source	source	source	source	source	source
CompressWriter	compress/zlib	source	source	source	source	source	source	-
CompressWriter	compress/flate	source	source	source	source	source	source	-
ResponseWriter	net/http	source	source	source	source	source	source	source
ResultSet	database/sql	source	source	source	source	source	source	source
ResultSet	database/sql/driver	source	source	source	source	source	source	source
RoundTripper	net/http	source	source	source	source	source	source	source
RoutingMessage	syscall	source	source	source	source	source	source	source
Rows	database/sql/driver	source	source	source	source	source	source	source
RowsColumnTypeDatabaseTypeName	database/sql/driver	source	source	source	source	source	-	-
RowsColumnTypeLength	database/sql/driver	source	source	source	source	source	-	-
RowsColumnTypeNullable	database/sql/driver	source	source	source	source	source	-	-
RowsColumnTypePrecisionScale	database/sql/driver	source	source	source	source	source	-	-
RowsColumnTypeScanType	database/sql/driver	source	source	source	source	source	-	-
RowsNextResultSet	database/sql/driver	source	source	source	source	source	-	-
StreamReader	io	source	source	source	source	source	source	source
StreamScanner	io	source	source	source	source	source	source	source
TextState	fmt	source	source	source	source	source	source	source
TextScanner	database/sql	source	source	source	source	source	source	source
TextScanner	fmt	source	source	source	source	source	source	source

Interface	Package	1.21.5	1.20.12	1.16.14	1.12.17	1.8.7	1.4.3	1.0
Writer	io	source	source	source	source	source	source	source
ServerCodec	net/rpc	source	source	source	source	source	source	source
SessionResetter	database/sql/driver	source	source	source	source	-	-	-
Signal	os	source	source	source	source	source	source	source
Signer	crypto	source	source	source	source	source	source	-
SignerOpts	crypto	source	source	source	source	source	source	-
Sizes	go/types	source	source	source	source	source	-	-
Syscall	syscall	source	source	source	source	source	source	source
Source	math/rand	source	source	source	source	source	source	source
Source64	math/rand	source	source	source	source	source	-	-
StatFS	io/fs	source	source	source	-	-	-	-
State	fmt	source	source	source	source	source	source	source
Stmt	database/sql/driver	source	source	source	source	source	source	source
Stmt	go/ast	source	source	source	source	source	source	source
StmtExecContext	database/sql/driver	source	source	source	source	source	-	-
StmtQueryContext	database/sql/driver	source	source	source	source	source	-	-
Stream	crypto/cipher	source	source	source	source	source	source	source
StringWriter	io	source	source	source	source	-	-	-
Stringer	fmt	source	source	source	source	source	source	source
SubFS	io/fs	source	source	source	-	-	-	-
Symbol	plugin	-	-	source	source	source	-	-
T	testing	source	source	source	source	source	source	-
Text	go/doc/comment	source	source	-	-	-	-	-
TextMarshaler	encoding	source	source	source	source	source	source	-
TextUnmarshaler	encoding	source	source	source	source	source	source	-
Token	encoding/json	-	-	source	source	source	-	-
Token	encoding/xml	-	-	source	source	source	source	source
TokenReader	encoding/xml	source	source	source	source	-	-	-
Transaction	database/sql/driver	source	source	source	source	source	source	source

Interface	Package	1.21.5	1.20.12	1.16.14	1.12.17	1.8.7	1.4.3	1.0
Byte	go/types	source	source	source	source	source	-	-
Byte	reflect	source	source	source	source	source	source	source
Byte	debug/dwarf	source	source	source	source	source	source	source
XMLMarshaler	encoding/xml	source	source	source	source	source	source	-
JSONMarshaler	encoding/json	source	source	source	source	source	source	source
XMLMarshalerAttr	encoding/xml	source	source	source	source	source	source	-
Validator	database/sql/driver	source	source	source	-	-	-	-
Value	database/sql/driver	-	-	source	source	source	source	source
Value	go/constant	source	source	source	source	source	-	-
Value	flag	source	source	source	source	source	source	source
ValueConverter	database/sql/driver	source	source	source	source	source	source	source
ValueLuer	database/sql/driver	source	source	source	source	source	source	source
Var	expvar	source	source	source	source	source	source	source
Visitor	go/ast	source	source	source	source	source	source	source
Wrapper	syscall/js	-	-	source	source	-	-	-
WriteCloser	io	source	source	source	source	source	source	source
WriteSeeker	io	source	source	source	source	source	source	source
Writer	io	source	source	source	source	source	source	source
WriterAt	io	source	source	source	source	source	source	source
WriterTo	io	source	source	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!