

Les interfaces du Go

Michel Casabianca
casa@sweetohm.net

En assistant à la dotGo, où le buzzword était clairement *l'interface*, je me suis demandé où l'on pouvait se procurer la liste de toutes les interfaces définies dans le langage. J'ai cherché et n'ai trouvé cette information nulle part.

Je me suis donc décidé à écrire un petit programme qui :

- Télécharge le tarball des sources d'une version donnée.
- Parse les fichiers sources pour en extraire les interfaces ainsi que le numéro de ligne où elles sont définies.
- Affiche sur la console la liste de ces interfaces sous la forme d'un tableau markdown.

Le projet se trouve sur Github : <https://github.com/c4s4/gointerfaces>.

Voici le résultat :

Interface	Package	1.21.5	1.20.12	1.16.14	1.12.17	1.8.7	1.4.3	1.0
AES	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	-	-	-	-	-

Interface	Package	1.21.5	1.20.12	1.16.14	1.12.17	1.8.7	1.4.3	1.0
	go/doc/testdata/examples	source	source	-	-	-	-	-
ClientCodec	net/rpc	source	source	source	source	source	source	source
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	-	-

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pr	go/ast	source	source	source	source	source	source	source
pr	go/build/constraint	source	source	source	-	-	-	-
	io/fs	source	source	source	-	-	-	-
e	net/http	source	source	source	source	source	source	source
e	mime/multipart	source	source	source	source	source	source	source
e	io/fs	source	source	source	-	-	-	-
eInfo	os	-	-	-	source	source	source	source
eInfo	io/fs	source	source	source	-	-	-	-
eSystem	net/http	source	source	source	source	source	source	source
usher	net/http	source	source	source	source	source	source	source
rmatter	fmt	source	source	source	source	source	source	source
enerator	testing/quick	source	source	source	source	source	source	source
etter	flag	source	source	source	source	source	source	-
obFS	io/fs	source	source	source	-	-	-	-
oStringer	fmt	source	source	source	source	source	source	source
obDecoder	encoding/gob	source	source	source	source	source	source	source
obEncoder	encoding/gob	source	source	source	source	source	source	source
andler	net/http	source	source	source	source	source	source	source
andler	log/slog	source	-	-	-	-	-	-
ash	hash	source	source	source	source	source	source	source
ash32	hash	source	source	source	source	source	source	source
ash64	hash	source	source	source	source	source	source	source
jacker	net/http	source	source	source	source	source	source	source
age	image/draw	source	source	source	source	source	source	source
age	image	source	source	source	source	source	source	source
porter	go/types	source	source	source	source	source	-	-
porterFrom	go/types	source	source	source	source	source	-	-
erface	container/heap	source	source	source	source	source	source	source
erface	sort	source	source	source	source	source	source	source

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Leveler	log/slog	source	-	-	-	-	-	-
Listener	net	source	source	source	source	source	source	source
Mad	debug/macho	source	source	source	source	source	source	source
Locker	sync	source	source	source	source	source	source	source
LogValuer	log/slog	source	-	-	-	-	-	-
Marshaller	encoding/json	source	source	source	source	source	source	source
Unmarshaller	encoding/xml	source	source	source	source	source	source	-
UnmarshallerAttr	encoding/xml	source	source	source	source	source	source	-
Model	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	-	-	-	-	-	-
PacketConn	net	source	source	source	source	source	source	source
PalettedImage	image	source	source	source	source	source	source	source
Pinger	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	-
Pusher	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	-	-	-
ReadCloser	io	source	source	source	source	source	source	source
ReadDirFS	io/fs	source	source	source	-	-	-	-

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addirFile	io/fs	source	source	source	-	-	-	-
fileFS	io/fs	source	source	source	-	-	-	-
seekCloser	io	source	source	source	-	-	-	-
seeker	io	source	source	source	source	source	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
reader	image/jpeg	source	source	source	source	source	source	source
reader	compress/flate	source	source	source	source	source	source	source
reader	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
setter	compress/zlib	source	source	source	source	source	source	-
setter	compress/flate	source	source	source	source	source	source	-
responseWriter	net/http	source	source	source	source	source	source	source
result	database/sql	source	source	source	source	source	source	source
result	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	-	-
scanner	io	source	source	source	source	source	source	source
scanner	io	source	source	source	source	source	source	source
scanState	fmt	source	source	source	source	source	source	source

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Scanner	database/sql	source	source	source	source	source	source	source
Scanner	fmt	source	source	source	source	source	source	source
Seeker	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	-	-
Sockaddr	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

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Unmarshaler	encoding/xml	source	source	source	source	-	-	-
UnmarshalerAttr	database/sql/driver	source	source	source	source	source	source	source
UnmarshalerAttr	go/types	source	source	source	source	source	-	-
UnmarshalerAttr	reflect	source	source	source	source	source	source	source
UnmarshalerAttr	debug/dwarf	source	source	source	source	source	source	source
UnmarshalerAttr	encoding/xml	source	source	source	source	source	source	-
UnmarshalerAttr	encoding/json	source	source	source	source	source	source	source
UnmarshalerAttr	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
ValueOf	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

On pourra trouver une discussion sur ces interfaces dans l'article suivant (en anglais) :
<http://mwholt.blogspot.fr/2014/08/maximizing-use-of-interfaces-in-go.html>.

Enjoy!