



Open Source Used In Stealthwatch App -- ETA Cryptographic Audit 3.3.1

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In your requests please include the following reference number 78EE117C99-1862615321

Contents

1.1 go-uuid 1.2.0

1.1.1 Available under license

1.2 redux-beacon 2.1.0

1.2.1 Available under license

1.3 hostname 3.23

1.3.1 Available under license

1.4 uuid 7.0.3

1.4.1 Available under license

1.5 keyutils 1.6.1-2

1.5.1 Available under license

1.6 shadow 4.8.1-1

1.6.1 Available under license

1.7 @redux-beacon/logger 1.0.0

1.7.1 Available under license

1.8 @redux-beacon/google-analytics 1.2.3

1.8.1 Available under license

1.9 pcre 8.39-13

1.9.1 Available under license

1.10 libgpg-error 1.38-2

1.10.1 Available under license

1.11 sse 0.1.0

1.11.1 Available under license

1.12 libsepol 3.1-1

1.12.1 Available under license

1.13 coreutils 8.32-4+b1

1.13.1 Available under license

- 1.14 range-parser 1.2.1**
 - 1.14.1 Available under license
- 1.15 iconv-lite 0.4.24**
 - 1.15.1 Available under license
- 1.16 etag 1.8.1**
 - 1.16.1 Available under license
- 1.17 has-flag 3.0.0**
 - 1.17.1 Available under license
- 1.18 inherits 2.0.4**
 - 1.18.1 Available under license
- 1.19 object-assign 4.1.1**
 - 1.19.1 Available under license
- 1.20 function-bind 1.1.1**
 - 1.20.1 Available under license
- 1.21 escape-html 1.0.3**
 - 1.21.1 Available under license
- 1.22 parseurl 1.3.3**
 - 1.22.1 Available under license
- 1.23 jws 3.2.2**
 - 1.23.1 Available under license
- 1.24 path-to-regexp 0.1.7**
 - 1.24.1 Available under license
- 1.25 globals 11.12.0**
 - 1.25.1 Available under license
- 1.26 ee-first 1.1.1**
 - 1.26.1 Available under license
- 1.27 media-typer 0.3.0**
 - 1.27.1 Available under license
- 1.28 encodeurl 1.0.2**
 - 1.28.1 Available under license
- 1.29 jwa 1.4.1**
 - 1.29.1 Available under license
- 1.30 merge-descriptors 1.0.1**
 - 1.30.1 Available under license
- 1.31 array-flatten 1.1.1**
 - 1.31.1 Available under license
- 1.32 unpipe 1.0.0**
 - 1.32.1 Available under license
- 1.33 lodash.once 4.1.1**

- 1.33.1 Available under license
- 1.34 delayed-stream 1.0.0**
 - 1.34.1 Available under license
- 1.35 safer-buffer 2.1.2**
 - 1.35.1 Available under license
- 1.36 vary 1.1.2**
 - 1.36.1 Available under license
- 1.37 buffer-equal-constant-time 1.0.1**
 - 1.37.1 Available under license
- 1.38 asynckit 0.4.0**
 - 1.38.1 Available under license
- 1.39 utils-merge 1.0.1**
 - 1.39.1 Available under license
- 1.40 ansi-styles 3.2.1**
 - 1.40.1 Available under license
- 1.41 type-is 1.6.18**
 - 1.41.1 Available under license
- 1.42 methods 1.1.2**
 - 1.42.1 Available under license
- 1.43 color-name 1.1.3**
 - 1.43.1 Available under license
- 1.44 js-tokens 4.0.0**
 - 1.44.1 Available under license
- 1.45 escape-string-regexp 1.0.5**
 - 1.45.1 Available under license
- 1.46 combined-stream 1.0.8**
 - 1.46.1 Available under license
- 1.47 has 1.0.3**
 - 1.47.1 Available under license
- 1.48 ecdsa-sig-formatter 1.0.11**
 - 1.48.1 Available under license
- 1.49 to-fast-properties 2.0.0**
 - 1.49.1 Available under license
- 1.50 typescript-tuple 2.2.1**
 - 1.50.1 Available under license
- 1.51 typescript-compare 0.0.2**
 - 1.51.1 Available under license
- 1.52 slick-carousel 1.8.1**
 - 1.52.1 Available under license

- 1.53 gulp-rename 1.4.0**
 - 1.53.1 Available under license
- 1.54 natives 1.1.6**
 - 1.54.1 Available under license
- 1.55 array-flatten 2.1.1**
 - 1.55.1 Available under license
- 1.56 typescript-logic 0.0.0**
 - 1.56.1 Available under license
- 1.57 redux-beacon-combine-events 1.0.0**
 - 1.57.1 Available under license
- 1.58 ipaddr.js 1.9.1**
 - 1.58.1 Available under license
- 1.59 lodash.isinteger 4.0.4**
 - 1.59.1 Available under license
- 1.60 lodash.isnumber 3.0.3**
 - 1.60.1 Available under license
- 1.61 lodash.isstring 4.0.1**
 - 1.61.1 Available under license
- 1.62 safe-buffer 5.2.1**
 - 1.62.1 Available under license
- 1.63 require-from-string 2.0.2**
 - 1.63.1 Available under license
- 1.64 libcap-ng 0.7.9-2.2+b1**
 - 1.64.1 Available under license
- 1.65 libunistring 0.9.10-4**
 - 1.65.1 Available under license
- 1.66 dash 0.5.11+git20200708+dd9ef66-5**
 - 1.66.1 Available under license
- 1.67 mawk 1.3.4.20200120-2**
 - 1.67.1 Available under license
- 1.68 attr 2.4.48-6**
 - 1.68.1 Available under license
- 1.69 diffutils 3.7-5**
 - 1.69.1 Available under license
- 1.70 audit 3.0-2**
 - 1.70.1 Available under license
- 1.71 iconv 2.31**
 - 1.71.1 Available under license
- 1.72 xxhash 0.8.0-2**

- 1.72.1 Available under license
- 1.73 findutils 4.8.0-1**
 - 1.73.1 Available under license
- 1.74 debianutils 4.11.2**
 - 1.74.1 Available under license
- 1.75 libidn 2.3.0-5**
 - 1.75.1 Available under license
- 1.76 fast-deep-equal 3.1.3**
 - 1.76.1 Available under license
- 1.77 readline 8.1**
 - 1.77.1 Available under license
- 1.78 tar 1.34+dfsg-1**
 - 1.78.1 Available under license
- 1.79 zstd 1.4.8+dfsg-2.1**
 - 1.79.1 Available under license
- 1.80 x-crypto 0.12.0**
 - 1.80.1 Available under license
- 1.81 call-bind 1.0.2**
 - 1.81.1 Available under license
- 1.82 side-channel 1.0.4**
 - 1.82.1 Available under license
- 1.83 procps 3.3.17-5**
 - 1.83.1 Available under license
- 1.84 hammer 2.0.8**
 - 1.84.1 Available under license
- 1.85 @progress/pako-esm 1.0.1**
 - 1.85.1 Available under license
- 1.86 libxcrypt 4.4.18-4**
 - 1.86.1 Available under license
- 1.87 libffi 3.3-6**
 - 1.87.1 Available under license
- 1.88 json-schema-traverse 1.0.0**
 - 1.88.1 Available under license
- 1.89 gensync 1.0.0-beta.2**
 - 1.89.1 Available under license
- 1.90 cracklib 2.9.6-3.4**
 - 1.90.1 Available under license
- 1.91 e2fsprogs 1.46.2-2**
 - 1.91.1 Available under license

1.92 Isb 11.1.0

1.92.1 Available under license

1.93 libnettle6 3.7.3-1

1.93.1 Available under license

1.94 dom-helpers 5.2.1

1.94.1 Available under license

1.95 react-transition-group 4.4.2

1.95.1 Available under license

1.96 libgcrypt 1.8.7-6

1.96.1 Available under license

1.97 base-passwd 3.5.51

1.97.1 Available under license

1.98 apt 2.2.4

1.98.1 Available under license

1.99 cdebconf 0.260

1.99.1 Available under license

1.100 formatjs-intl-utils 3.8.4

1.100.1 Available under license

1.101 redux-persist 6.0.0

1.101.1 Available under license

1.102 @progress/jszip-esm 1.0.3

1.102.1 Available under license

1.103 react-immutable-proptypes 2.2.0

1.103.1 Available under license

1.104 gin-contrib-sse 0.1.0

1.104.1 Available under license

1.105 perl 5.32.1-4+deb11u2

1.105.1 Available under license

1.106 tdb 1.46.2

1.106.1 Available under license

1.107 picocolors 1.0.0

1.107.1 Available under license

1.108 object.omit 3.0.0

1.108.1 Available under license

1.109 babel-merge 3.0.0

1.109.1 Available under license

1.110 mohae-deepcopy 0.0.0-20170929034955-c48cc78d4826

1.110.1 Available under license

1.111 libnsl 1.3.0-2

- 1.111.1 Available under license
- 1.112 lz4 1.9.3-2**
 - 1.112.1 Available under license
- 1.113 libpkit 0.23.22-1**
 - 1.113.1 Available under license
- 1.114 berkeley-db 5.3.28+dfsg1-0.8**
 - 1.114.1 Available under license
- 1.115 pam 1.4.0-9+deb11u1**
 - 1.115.1 Available under license
- 1.116 acl 2.2.53-10**
 - 1.116.1 Available under license
- 1.117 toidentifier 1.0.1**
 - 1.117.1 Available under license
- 1.118 form-data 4.0.0**
 - 1.118.1 Available under license
- 1.119 isobject 3.0.1**
 - 1.119.1 Available under license
- 1.120 is-extendable 1.0.1**
 - 1.120.1 Available under license
- 1.121 is-plain-object 2.0.4**
 - 1.121.1 Available under license
- 1.122 setprototypeof 1.2.0**
 - 1.122.1 Available under license
- 1.123 invariant 2.2.4**
 - 1.123.1 Available under license
- 1.124 loose-envify 1.4.0**
 - 1.124.1 Available under license
- 1.125 proxy-addr 2.0.7**
 - 1.125.1 Available under license
- 1.126 emojis-list 3.0.0**
 - 1.126.1 Available under license
- 1.127 hoist-non-react-statics 3.3.2**
 - 1.127.1 Available under license
- 1.128 react-is 16.13.1**
 - 1.128.1 Available under license
- 1.129 deepmerge 2.2.1**
 - 1.129.1 Available under license
- 1.130 supports-color 5.5.0**
 - 1.130.1 Available under license

- 1.131 yallist 4.0.0**
 - 1.131.1 Available under license
- 1.132 lodash.isplainobject 4.0.6**
 - 1.132.1 Available under license
- 1.133 color-convert 1.9.3**
 - 1.133.1 Available under license
- 1.134 chalk 2.4.2**
 - 1.134.1 Available under license
- 1.135 yallist 3.1.1**
 - 1.135.1 Available under license
- 1.136 lodash 4.17.21**
 - 1.136.1 Available under license
- 1.137 statuses 2.0.1**
 - 1.137.1 Available under license
- 1.138 redux-immutable 4.0.0**
 - 1.138.1 Available under license
- 1.139 content-disposition 0.5.4**
 - 1.139.1 Available under license
- 1.140 libseccomp 2.5.1-1+deb11u1**
 - 1.140.1 Available under license
- 1.141 gmp 6.2.1+dfsg-1+deb11u1**
 - 1.141.1 Available under license
- 1.142 libpwquality 1.4.4-1**
 - 1.142.1 Available under license
- 1.143 http-errors 2.0.0**
 - 1.143.1 Available under license
- 1.144 prop-types 15.8.1**
 - 1.144.1 Available under license
- 1.145 libsemanage-common 3.1-1**
 - 1.145.1 Available under license
- 1.146 accepts 1.3.8**
 - 1.146.1 Available under license
- 1.147 bytes 3.1.2**
 - 1.147.1 Available under license
- 1.148 has-symbols 1.0.3**
 - 1.148.1 Available under license
- 1.149 raw-body 2.5.1**
 - 1.149.1 Available under license
- 1.150 @types/google.analytics 0.0.42**

1.150.1 Available under license
1.151 mime-db 1.52.0
1.151.1 Available under license
1.152 mime-types 2.1.35
1.152.1 Available under license
1.153 sysv-init 2.96-7+deb11u1
1.153.1 Available under license
1.154 destroy 1.2.0
1.154.1 Available under license
1.155 on-finished 2.4.1
1.155.1 Available under license
1.156 history 5.3.0
1.156.1 Available under license
1.157 xz 5.2.5-2.1~deb11u1
1.157.1 Available under license
1.158 gzip 1.10-4+deb11u1
1.158.1 Available under license
1.159 react-portal 4.2.2
1.159.1 Available under license
1.160 tslib 2.4.0
1.160.1 Available under license
1.161 finalhandler 1.2.0
1.161.1 Available under license
1.162 safeclib 4.1.3
1.162.1 Available under license
1.163 axios 0.27.2
1.163.1 Available under license
1.164 libnsl 2.31
1.164.1 Available under license
1.165 ramda 0.28.0
1.165.1 Available under license
1.166 use-sync-external-store 1.2.0
1.166.1 Available under license
1.167 @jridgewell/set-array 1.1.2
1.167.1 Available under license
1.168 gnupg 2.2.27-2+deb11u2
1.168.1 Available under license
1.169 moment 2.29.4
1.169.1 Available under license

- 1.170 bash 5.1-2+deb11u1**
 - 1.170.1 Available under license
- 1.171 types-react-redux 7.1.24**
 - 1.171.1 Available under license
- 1.172 @babel/plugin-proposal-export-namespace-from 7.18.9**
 - 1.172.1 Available under license
- 1.173 react-is 18.2.0**
 - 1.173.1 Available under license
- 1.174 types-react-transition-group 4.4.5**
 - 1.174.1 Available under license
- 1.175 scheduler 0.23.0**
 - 1.175.1 Available under license
- 1.176 @types/use-sync-external-store 0.0.3**
 - 1.176.1 Available under license
- 1.177 zlib 1.2.11.dfsg-2+deb11u2**
 - 1.177.1 Available under license
- 1.178 @formatjs/fast-memoize 1.2.6**
 - 1.178.1 Available under license
- 1.179 classnames 2.3.2**
 - 1.179.1 Available under license
- 1.180 react-transition-group 4.4.5**
 - 1.180.1 Available under license
- 1.181 @formatjs/intl-localematcher 0.2.31**
 - 1.181.1 Available under license
- 1.182 bzip2 1.0.8-4**
 - 1.182.1 Available under license
- 1.183 selinux 3.1-3**
 - 1.183.1 Available under license
- 1.184 libsemanage-common 3.1-1+b2**
 - 1.184.1 Available under license
- 1.185 util-linux 2.36.1-8+deb11u1**
 - 1.185.1 Available under license
- 1.186 @types/react-tooltip 4.2.4**
 - 1.186.1 Available under license
- 1.187 redux-saga-deferred 1.2.1**
 - 1.187.1 Available under license
- 1.188 redux-saga-types 1.2.1**
 - 1.188.1 Available under license
- 1.189 redux-saga-delay-p 1.2.1**

- 1.189.1 Available under license
- 1.190 redux-saga-is 1.1.3**
 - 1.190.1 Available under license
- 1.191 redux-saga-symbols 1.1.3**
 - 1.191.1 Available under license
- 1.192 react-final-form 6.5.9**
 - 1.192.1 Available under license
- 1.193 final-form 4.20.7**
 - 1.193.1 Available under license
- 1.194 ts-invariant 0.10.3**
 - 1.194.1 Available under license
- 1.195 lodash.isboolean 3.0.3**
 - 1.195.1 Available under license
- 1.196 lodash.includes 4.3.0**
 - 1.196.1 Available under license
- 1.197 jsesc 2.5.2**
 - 1.197.1 Available under license
- 1.198 tslib 1.14.1**
 - 1.198.1 Available under license
- 1.199 body-parser 1.20.1**
 - 1.199.1 Available under license
- 1.200 ajv 8.11.0**
 - 1.200.1 Available under license
- 1.201 express 4.18.2**
 - 1.201.1 Available under license
- 1.202 redux 4.2.0**
 - 1.202.1 Available under license
- 1.203 types-react-dom 18.0.8**
 - 1.203.1 Available under license
- 1.204 react-redux 8.0.4**
 - 1.204.1 Available under license
- 1.205 react 18.2.0**
 - 1.205.1 Available under license
- 1.206 types-lodash 4.14.186**
 - 1.206.1 Available under license
- 1.207 react-dom 18.2.0**
 - 1.207.1 Available under license
- 1.208 convert-source-map 2.0.0**
 - 1.208.1 Available under license

- 1.209 libtasn 4.16.0-2+deb11u1**
 - 1.209.1 Available under license
- 1.210 object-inspect 1.12.3**
 - 1.210.1 Available under license
- 1.211 redux-saga 1.2.1**
 - 1.211.1 Available under license
- 1.212 has-proto 1.0.1**
 - 1.212.1 Available under license
- 1.213 go-playground-locales 0.14.1**
 - 1.213.1 Available under license
- 1.214 content-type 1.0.5**
 - 1.214.1 Available under license
- 1.215 scowl 2019.10.06-1**
 - 1.215.1 Available under license
- 1.216 gnutls 3.7.1-5+deb11u3**
 - 1.216.1 Available under license
- 1.217 json5 2.2.3**
 - 1.217.1 Available under license
- 1.218 @formatjs/intl 2.5.1**
 - 1.218.1 Available under license
- 1.219 @formatjs/icu-messageformat-parser 2.1.10**
 - 1.219.1 Available under license
- 1.220 @formatjs/icu-skeleton-parser 1.3.14**
 - 1.220.1 Available under license
- 1.221 @formatjs/intl-displaynames 6.1.4**
 - 1.221.1 Available under license
- 1.222 @formatjs/intl-listformat 7.1.3**
 - 1.222.1 Available under license
- 1.223 @formatjs/ecma402-abstract 1.13.0**
 - 1.223.1 Available under license
- 1.224 @types/react 18.0.24**
 - 1.224.1 Available under license
- 1.225 types-react-test-renderer 18.0.0**
 - 1.225.1 Available under license
- 1.226 @remix-run/router 1.0.3**
 - 1.226.1 Available under license
- 1.227 cldr-numbers-full 42.0.0**
 - 1.227.1 Available under license
- 1.228 cldr-dates-full 42.0.0**

- 1.228.1 Available under license
- 1.229 cldr-core 42.0.0**
 - 1.229.1 Available under license
- 1.230 intl-messageformat 10.2.1**
 - 1.230.1 Available under license
- 1.231 prosemirror-commands 1.5.0**
 - 1.231.1 Available under license
- 1.232 prosemirror-history 1.3.0**
 - 1.232.1 Available under license
- 1.233 punycode 2.3.0**
 - 1.233.1 Available under license
- 1.234 react-router-dom 6.4.3**
 - 1.234.1 Available under license
- 1.235 prosemirror-inputrules 1.2.0**
 - 1.235.1 Available under license
- 1.236 react-intl 6.2.1**
 - 1.236.1 Available under license
- 1.237 prosemirror-transform 1.7.1**
 - 1.237.1 Available under license
- 1.238 prosemirror-dropcursor 1.6.1**
 - 1.238.1 Available under license
- 1.239 prosemirror-model 1.19.0**
 - 1.239.1 Available under license
- 1.240 prosemirror-schema-list 1.2.2**
 - 1.240.1 Available under license
- 1.241 prosemirror-gapcursor 1.3.1**
 - 1.241.1 Available under license
- 1.242 prosemirror-state 1.4.2**
 - 1.242.1 Available under license
- 1.243 prosemirror-view 1.30.0**
 - 1.243.1 Available under license
- 1.244 react-tooltip 4.4.3**
 - 1.244.1 Available under license
- 1.245 react-router 6.4.3**
 - 1.245.1 Available under license
- 1.246 prosemirror-keymap 1.2.0**
 - 1.246.1 Available under license
- 1.247 prosemirror-tables 1.3.2**
 - 1.247.1 Available under license

- 1.248 dgrijalva-jwt-go 4.0.0-preview1**
 - 1.248.1 Available under license
- 1.249 sed 4.7-1**
 - 1.249.1 Available under license
- 1.250 pcre 10.36-2+deb11u1**
 - 1.250.1 Available under license
- 1.251 libtirpc 1.3.1-1+deb11u1**
 - 1.251.1 Available under license
- 1.252 go-playground-universal-translator 0.18.1**
 - 1.252.1 Available under license
- 1.253 redux-saga-core 1.2.3**
 - 1.253.1 Available under license
- 1.254 jquery 3.6.4**
 - 1.254.1 Available under license
- 1.255 gabriel-vasile-mimetype 1.4.2**
 - 1.255.1 Available under license
- 1.256 @linaria/core 4.2.8**
 - 1.256.1 Available under license
- 1.257 @linaria/react 4.3.6**
 - 1.257.1 Available under license
- 1.258 @linaria/tags 4.3.3**
 - 1.258.1 Available under license
- 1.259 html-element-attributes 1.3.1**
 - 1.259.1 Available under license
- 1.260 @linaria/logger 4.0.0**
 - 1.260.1 Available under license
- 1.261 react-html-attributes 1.4.6**
 - 1.261.1 Available under license
- 1.262 @linaria/utils 4.3.2**
 - 1.262.1 Available under license
- 1.263 zxcvbn 4.4.2**
 - 1.263.1 Available under license
- 1.264 csstype 3.1.2**
 - 1.264.1 Available under license
- 1.265 @jridgewell/gen-mapping 0.3.3**
 - 1.265.1 Available under license
- 1.266 @jridgewell/sourcemap-codec 1.4.15**
 - 1.266.1 Available under license
- 1.267 @jridgewell/resolve-uri 3.1.1**

- 1.267.1 Available under license
- 1.268 @ampproject/remapping 2.2.1**
 - 1.268.1 Available under license
- 1.269 afero 1.9.5**
 - 1.269.1 Available under license
- 1.270 grep 3.6-1+deb11u1**
 - 1.270.1 Available under license
- 1.271 debian-archive-keyring 2021.1.1+deb11u1**
 - 1.271.1 Available under license
- 1.272 tzdata 2021a-1+deb11u10**
 - 1.272.1 Available under license
- 1.273 leodido-go-urn 1.2.4**
 - 1.273.1 Available under license
- 1.274 go-codec 1.2.11**
 - 1.274.1 Available under license
- 1.275 get-intrinsic 1.2.1**
 - 1.275.1 Available under license
- 1.276 mattn-go-isatty 0.0.19**
 - 1.276.1 Available under license
- 1.277 @emotion/is-prop-valid 1.2.1**
 - 1.277.1 Available under license
- 1.278 @emotion/memoize 0.8.1**
 - 1.278.1 Available under license
- 1.279 orderedmap 2.1.1**
 - 1.279.1 Available under license
- 1.280 rope-sequence 1.3.4**
 - 1.280.1 Available under license
- 1.281 logrus 1.9.3**
 - 1.281.1 Available under license
- 1.282 w3c-keyname 2.2.8**
 - 1.282.1 Available under license
- 1.283 semver 7.5.4**
 - 1.283.1 Available under license
- 1.284 node-releases 2.0.13**
 - 1.284.1 Available under license
- 1.285 semver 6.3.1**
 - 1.285.1 Available under license
- 1.286 systemd 247.3-7+deb11u4**
 - 1.286.1 Available under license

- 1.287 @jridgewell/trace-mapping 0.3.19**
 - 1.287.1 Available under license
- 1.288 regenerator-runtime 0.14.0**
 - 1.288.1 Available under license
- 1.289 x-text 0.12.0**
 - 1.289.1 Available under license
- 1.290 x-sys 0.11.0**
 - 1.290.1 Available under license
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hostname -- set the host name or show the host/domain name

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Preamble

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Appendix: How to Apply These Terms to Your New Programs

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

```
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it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either  
version 2 of the License, or  
(at your option) any later version.
```

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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- a) Accompany the work with the complete corresponding

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.6 shadow 4.8.1-1

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1.9 pcre 8.39-13

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1.10 libgpg-error 1.38-2

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1.11 sse 0.1.0

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1.12 libsepol 3.1-1

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Any executables

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1.13 coreutils 8.32-4+b1

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1.14 range-parser 1.2.1

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1.15 iconv-lite 0.4.24

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1.16 etag 1.8.1

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1.17 has-flag 3.0.0

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1.18 inherits 2.0.4

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1.19 object-assign 4.1.1

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1.20 function-bind 1.1.1

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1.21 escape-html 1.0.3

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1.22 parseurl 1.3.3

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1.23 jws 3.2.2

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1.25 globals 11.12.0

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1.26 ee-first 1.1.1

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1.27 media-typer 0.3.0

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1.28 encodeurl 1.0.2

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1.29 jwa 1.4.1

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1.32 unpipe 1.0.0

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1.34 delayed-stream 1.0.0

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1.35 safer-buffer 2.1.2

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1.36 vary 1.1.2

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1.45 escape-string-regexp 1.0.5

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1.46 combined-stream 1.0.8

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1.49 to-fast-properties 2.0.0

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1.50 typescript-tuple 2.2.1

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1.54 natives 1.1.6

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1.56 typescript-logic 0.0.0

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1.57 redux-beacon-combine-events 1.0.0

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1.58 ipaddr.js 1.9.1

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1.59 Iodash.isinteger 4.0.4

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1.60 Iodash.isnumber 3.0.3

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1.61 Iodash.isstring 4.0.1

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1.63 require-from-string 2.0.2

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1.64 libcap-ng 0.7.9-2.2+b1

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.69 diffutils 3.7-5

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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.71 iconv 2.31

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to

exercise the right to control the distribution of derivative or collective works based on the Library.

In addition,

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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```
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<signature of Ty Coon>, 1 April 1990
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1.74 debianutils 4.11.2

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1.75 libidn 2.3.0-5

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1.80 x-crypto 0.12.0

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1.81 call-bind 1.0.2

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1.83 procps 3.3.17-5

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1.84 hammer 2.0.8

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1.85 @progress/pako-esm 1.0.1

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1.86 libxcrypt 4.4.18-4

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1.87 libffi 3.3-6

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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1.88 json-schema-traverse 1.0.0

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1.89 gensync 1.0.0-beta.2

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1.90 cracklib 2.9.6-3.4

1.90.1 Available under license :

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Upstream-Name: cracklib

Upstream-Contact: Nathan Neulinger <nneul@umr.edu>

Source: <https://github.com/cracklib/cracklib>

Files: *

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2008-2015 Jan Dittberner <jan@dittberner.info>

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Comment:

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1.91 e2fsprogs 1.46.2-2

1.91.1 Available under license :

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It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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```
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

```
real-subdirs:: Makefile
```

```
@echo " MKDIR pic"
```

```
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
```

```
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
```

```
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
```

```
$(MV) pic/$(BSD_LIB) .
```

```
$(RM) -f ../$(BSD_LIB)
```

```
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
```

```
`echo $(my_dir) | sed -e 's;lib/;;'/'$(BSD_LIB) $(BSD_LIB))
```

```
install-shlibs install:: $(BSD_LIB)
```

```
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
```

```
@$(INSTALL_PROGRAM) $(BSD_LIB) \
```

```
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
@-$(LDCONFIG)
```

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

\$(RM) -f \$(DESTDIR)\$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

clean::

\$(RM)

-rf pic

\$(RM) -f \$(BSD_LIB)

\$(RM) -f ../\$(BSD_LIB)

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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Version 2, June 1991

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Appendix: How to Apply These Terms to Your New Programs

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
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```

```
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```

```
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```

```
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Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
```

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```
Gnomovision version 69, Copyright (C) 19yy name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY;  
for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
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'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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Theodore Ts'o

23-June-2007

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Version 2, June 1991

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```

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Also add information on how to contact you by electronic and paper mail.

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```
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Gnomovision  
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This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
```

Ty Coon, President of Vice

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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1.94 dom-helpers 5.2.1

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1.100 formatjs-intl-utils 3.8.4

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1.101 redux-persist 6.0.0

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1.102 @progress/jszip-esm 1.0.3

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1.103 react-immutable-proptypes 2.2.0

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1.104 gin-contrib-sse 0.1.0

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1.105 perl 5.32.1-4+deb11u2

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*/
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<one line to give the program's name and a brief idea of what it does.>

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License.

Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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A Package

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1.106 tdb 1.46.2

1.106.1 Available under license :

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1.107 picocolors 1.0.0

1.107.1 Available under license :

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1.108 object.omit 3.0.0

1.108.1 Available under license :

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1.109 babel-merge 3.0.0

1.109.1 Available under license :

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1.110 mohae-deepcopy 0.0.0- 20170929034955-c48cc78d4826

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1.111 libnsl 1.3.0-2

1.111.1 Available under license :

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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

Files: *

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1.113 libpkit 0.23.22-1

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Files:

exports

include/*.h
libacl/*.c
libacl/*.h
libmisc/*.c
tools/do_set.*
tools/parse.*
tools/sequence.c
tools/setfacl.c
tools/user_group.h

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1.128 react-is 16.13.1

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1.146 accepts 1.3.8

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1.147 bytes 3.1.2

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1.148 has-symbols 1.0.3

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1.149 raw-body 2.5.1

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1.150 @types/google.analytics 0.0.42

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1.151 mime-db 1.52.0

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1.152 mime-types 2.1.35

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1.153 sysv-init 2.96-7+deb11u1

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It was downloaded from <<https://download.gnome.org/sources/glib/>>.

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possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU  
General Public License as published by  
the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

```
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```

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute
it
under certain conditions; type `show c' for details.
```

The hypothetical commands ``show w'` and ``show c'` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than ``show w'` and ``show c'`; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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Version 3, 29 June 2007

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An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The

"System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
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This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
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```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

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XZ Utils Licensing

=====

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1.159 react-portal 4.2.2

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1.162 safelib 4.1.3

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1.163 axios 0.27.2

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1.167 @jridgewell/set-array 1.1.2

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#+STARTUP: showall
```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.170 bash 5.1-2+deb11u1

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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Also add information on how to contact you by electronic and paper mail.

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```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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1.171 types-react-redux 7.1.24

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1.172 @babel/plugin-proposal-export-namespace-from 7.18.9

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1.173 react-is 18.2.0

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1.174 types-react-transition-group 4.4.5

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1.175 scheduler 0.23.0

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1.176 @types/use-sync-external-store 0.0.3

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1.177 zlib 1.2.11.dfsg-2+deb11u2

1.177.1 Available under license :

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```
/* trees.c -- output deflated data using Huffman coding
* Copyright (C) 1995-2017 Jean-loup Gailly
* detect_data_type() function provided freely by Cosmin Truta, 2006
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/trees.c

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/*

* gzlog.c

* Copyright (C) 2004, 2008, 2012, 2016 Mark Adler, all rights reserved

* For conditions of distribution and use, see copyright notice in gzlog.h

* version 2.2, 14 Aug 2012

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-

1.2.11.dfsg/examples/gzlog.c

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MiniZip - Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1 64 bits from Mathias Svensson

Introduction

MiniZip 1.1 is built from MiniZip 1.0 by Gilles Vollant (<http://www.winimage.com/zLibDll/minizip.html>)

When adding ZIP64 support into minizip it would result into risk of breaking compatibility with minizip 1.0.

All possible work was done for compatibility.

Background

When adding ZIP64 support Mathias Svensson found that Even Rouault have added ZIP64 support for unzip.c into minizip for a open source project called gdal (<http://www.gdal.org/>)

That was used as a starting point. And after that ZIP64 support was added to zip.c

some refactoring and code cleanup was also done.

Changed from MiniZip 1.0 to MiniZip 1.1

* Added ZIP64 support for unzip (by Even Rouault)

* Added ZIP64 support for zip (by Mathias Svensson

)

* Reverted some changed that Even Rouault did.

* Bunch of patches received from Guller Vollant that he received for MiniZip from various users.

* Added unzip patch for BZIP Compression method (patch create by Daniel Borca)

* Added BZIP Compress method for zip

* Did some refactoring and code cleanup

Credits

Gilles Vollant - Original MiniZip author
Even Rouault - ZIP64 unzip Support
Daniel Borca - BZip Compression method support in unzip
Mathias Svensson - ZIP64 zip support
Mathias Svensson - BZip Compression method support in zip

Resources

ZipLayout <http://result42.com/projects/ZipFileLayout>

Command line tool for Windows that shows the layout and information of the headers in a zip archive.
Used when debugging and validating the creation of zip files using MiniZip64

ZIP App Note <http://www.pkware.com/documents/casestudies/APPNOTE.TXT>

Zip File specification

Notes.

* To be able to use BZip compression method in
zip64.c or unzip64.c the BZIP2 lib is needed and HAVE_BZIP2 need to be defined.

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Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-

1.2.11.dfsg/contrib/minizip/MiniZip64_info.txt

No license file was found, but licenses were detected in source scan.

```
/* zpipe.c: example of proper use of zlib's inflate() and deflate()
```

```
Not copyrighted -- provided to the public domain
```

```
Version 1.4 11 December 2005 Mark Adler */
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-
```

```
1.2.11.dfsg/examples/zpipe.c
```

No license file was found, but licenses were detected in source scan.

```
/* unzip.h -- IO for uncompress .zip files using zlib
```

```
Version 1.1, February 14h, 2010
```

```
part of the MiniZip project - ( http://www.winimage.com/zLibDll/minizip.html )
```

Copyright (C) 1998-2010 Gilles Vollant (minizip) (<http://www.winimage.com/zLibDll/minizip.html>)

Modifications of Unzip for Zip64

Copyright (C) 2007-2008 Even Rouault

Modifications for Zip64 support on both zip and unzip

Copyright (C) 2009-2010 Mathias Svensson (<http://result42.com>)

For more info read MiniZip_info.txt

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Changes

See header of unzip64.c

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.h

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/* unzip.c -- IO for uncompress .zip files using zlib

Version 1.1, February 14h, 2010

part of the MiniZip project - (<http://www.winimage.com/zLibDll/minizip.html>)

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Modifications for Zip64 support on both zip and unzip

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For more info read MiniZip_info.txt

Decryption code comes from crypt.c by Info-ZIP but has been greatly reduced in terms of compatibility with older software. The following is from the original crypt.c.
Code woven in by Terry Thorsen 1/2003.

Copyright (c) 1990-2000 Info-ZIP. All rights reserved.

See the accompanying

file LICENSE, version 2000-Apr-09 or later

(the contents of which are also included in zip.h) for terms of use.

If, for some reason, all these files are missing, the Info-ZIP license also may be found at: <ftp://ftp.info-zip.org/pub/infozip/license.html>

crypt.c (full version) by Info-ZIP. Last revised: [see crypt.h]

The encryption/decryption parts of this source code (as opposed to the non-echoing password parts) were originally written in Europe. The whole source package can be freely distributed, including from the USA. (Prior to January 2000, re-export from the US was a violation of US law.)

This encryption code is a direct transcription of the algorithm from

Roger Schlafly, described by Phil Katz in the file appnote.txt. This file (appnote.txt) is distributed with the PKZIP program (even in the version without encryption capabilities).

Changes in unzip.c

2007-2008 - Even Rouault - Addition of cpl_unzGetCurrentFileZStreamPos
2007-2008 - Even Rouault - Decoration of symbol names unz* -> cpl_unz*
2007-2008 - Even Rouault - Remove old C style function prototypes
2007-2008 - Even Rouault - Add unzip support for ZIP64

Copyright (C) 2007-2008 Even Rouault

Oct-2009 - Mathias Svensson - Removed cpl_* from symbol names (Even Rouault added them but since this is now moved to a new project (minizip64) I renamed them again).

Oct-2009 - Mathias Svensson - Fixed problem if uncompressed size was > 4G and compressed size was <4G
should only read the compressed/uncompressed size from the Zip64 format if
the size from normal header was 0xFFFFFFFF

Oct-2009 - Mathias Svensson - Applied some bug fixes from patches received from Gilles Vollant

Oct-2009 - Mathias Svensson - Applied support to unzip files with compression method
BZIP2 (bzip2 lib is required)

Patch created by Daniel Borca

Jan-2010 - back to unzip and minizip 1.0 name scheme, with compatibility layer

Copyright (C) 1998 - 2010 Gilles Vollant, Even Rouault, Mathias Svensson

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.c

No license file was found, but licenses were detected in source scan.

/* Adler32.c -- compute the Adler-32 checksum of a data stream

* Copyright (C) 1995-2011, 2016 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/adler32.c

No license file was found, but licenses were detected in source scan.

/* fitblk.c: example of fitting compressed output to a specified size

Not copyrighted -- provided to the public domain

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/fitblk.c

No license file was found, but licenses were detected in source scan.

/*

Additional tools for Minizip

Code: Xavier Roche '2004

License: Same as ZLIB (www.gzip.org)

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.c

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.h

No license file was found, but licenses were detected in source scan.

/* gzclose.c -- zlib gzclose() function

* Copyright (C) 2004, 2010 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzclose.c

No license file was found, but licenses were detected in source scan.

/* gzwrite.c -- zlib functions for writing gzip files

* Copyright (C) 2004-2017 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzwrite.c

No license file was found, but licenses were detected in source scan.

/* inffast.h -- header to use inffast.c

* Copyright (C) 1995-2003, 2010 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.h

No license file was found, but licenses were detected in source scan.

/* deflate.h -- internal compression state

* Copyright (C) 1995-2016 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.h
No license file was found, but licenses were detected in source scan.

/* zip.h -- IO on .zip files using zlib
Version 1.1, February 14h, 2010
part of the MiniZip project - (<http://www.winimage.com/zLibDll/minizip.html>)

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Changes

See header of zip.h

*/

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/zip.h
```

No license file was found, but licenses were detected in source scan.

```
/* gzjoin -- command to join gzip files into one gzip file
```

Copyright (C) 2004, 2005, 2012 Mark Adler, all rights reserved
version 1.2, 14 Aug 2012

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3. This notice may not be removed or altered from any source distribution.

Mark Adler madler@alumni.caltech.edu

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzjoin.c
```

No license file was found, but licenses were detected in source scan.

```
/* compress.c -- compress a memory buffer
```

```
* Copyright (C) 1995-2005, 2014, 2016 Jean-loup Gailly, Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/compress.c
```

No license file was found, but licenses were detected in source scan.

```
/* zconf.h -- configuration of the zlib compression library
```

```
* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.cmakein
```

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.in
```

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h
```

No license file was found, but licenses were detected in source scan.

```
/* gzread.c -- zlib functions for reading gzip files
```

```
* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzread.c
```

No license file was found, but licenses were detected in source scan.

```
/* zran.c -- example of zlib/gzip stream indexing and random access
```

```
* Copyright (C) 2005, 2012 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
Version 1.1 29 Sep 2012 Mark Adler */
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zran.c
```

No license file was found, but licenses were detected in source scan.

```
/* deflate.c -- compress data using the deflation algorithm
```

```
* Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.c
```

No license file was found, but licenses were detected in source scan.

```
/* inffast.c -- fast decoding
```

```
* Copyright (C) 1995-2017 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.c
```

No license file was found, but licenses were detected in source scan.

```
/* inftrees.c -- generate Huffman trees for efficient decoding
```

```
* Copyright (C) 1995-2017 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inftrees.c
No license file was found, but licenses were detected in source scan.

/* inftrees.h -- header to use inftrees.c

* Copyright (C) 1995-2005, 2010 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inftrees.h
No license file was found, but licenses were detected in source scan.

/* inflate.c -- zlib decompression

* Copyright (C) 1995-2016 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.c
No license file was found, but licenses were detected in source scan.

/* zutil.h -- internal interface and configuration of the compression library

* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.h
No license file was found, but licenses were detected in source scan.

/* uncompr.c -- decompress a memory buffer

* Copyright (C) 1995-2003, 2010, 2014, 2016 Jean-loup Gailly, Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/uncompr.c
No license file was found, but licenses were detected in source scan.

/* zutil.c -- target dependent utility functions for the compression library

* Copyright (C) 1995-2017 Jean-loup Gailly

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.c
No license file was found, but licenses were detected in source scan.

```
/* example.c -- usage example of the zlib compression library
* Copyright (C) 1995-2006, 2011, 2016 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/example.c

No license file was found, but licenses were detected in source scan.

```
/* infcover.c -- test zlib's inflate routines with full code coverage
* Copyright (C) 2011, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/infcover.c

No license file was found, but licenses were detected in source scan.

```
/* gzlib.c -- zlib functions common to reading and writing gzip files
* Copyright (C) 2004-2017 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzlib.c

No license file was found, but licenses were detected in source scan.

```
/* gun.c -- simple gunzip to give an example of the use of inflateBack()
* Copyright (C) 2003, 2005, 2008, 2010, 2012 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
Version 1.7 12 August 2012 Mark Adler */
```

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gun.c

No license file was found, but licenses were detected in source scan.

Not copyrighted -- provided to the public domain

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zlib_how.html

No license file was found, but licenses were detected in source scan.

```
/* infback.c -- inflate using a call-back interface
* Copyright (C) 1995-2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/infback.c
```

No license file was found, but licenses were detected in source scan.

```
/* gzlog.h
Copyright (C) 2004, 2008, 2012 Mark Adler, all rights reserved
version 2.2, 14 Aug 2012
```

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```
Mark Adler  madler@alumni.caltech.edu
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzlog.h
```

No license file was found, but licenses were detected in source scan.

```
/* gzappend -- command to append to a gzip file
```

```
Copyright (C) 2003, 2012 Mark Adler, all rights reserved
version 1.2, 11 Oct 2012
```

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Mark Adler madler@alumni.caltech.edu

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzappend.c

No license file was found, but licenses were detected in source scan.

ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.11 is a general purpose data compression library. All the code is thread safe. The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

All functions of the compression library are documented in the file `zlib.h` (volunteer to write man pages welcome, contact zlib@gzip.org). A usage example of the library is given in the file `test/example.c` which also tests that the library is working correctly. Another example is given in the file `test/minigzip.c`. The compression library itself is composed of all source files in the root directory.

To compile all files and run the test program, follow the instructions given at the top of `Makefile.in`. In short `./configure; make test`, and if that goes well, `make install` should work for most flavors of Unix. For Windows, use one of the special makefiles in `win32/` or `contrib/vstudio/`. For VMS, use `make_vms.com`.

Questions about zlib should be sent to [<zlib@gzip.org>](mailto:zlib@gzip.org), or to Gilles Vollant [<info@winimage.com>](mailto:info@winimage.com) for the Windows DLL version. The zlib home page is <http://zlib.net/>. Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest

version and check whether the problem still exists or not.

PLEASE read the zlib FAQ http://zlib.net/zlib_faq.html before asking for help.

Mark Nelson <markn@ieee.org> wrote an article about zlib for the Jan. 1997 issue of Dr. Dobbs's Journal; a copy of the article is available at <http://marknelson.us/1997/01/01/zlib-engine/> .

The changes made in version 1.2.11 are documented in the file ChangeLog.

Unsupported third party contributions are provided in directory contrib/ .

zlib is available in Java using the java.util.zip package, documented at <http://java.sun.com/developer/technicalArticles/Programming/compression/> .

A Perl interface to zlib written by Paul Marquess <pmqs@cpan.org> is available at CPAN (Comprehensive Perl Archive Network) sites, including <http://search.cpan.org/~pmqs/IO-Compress-Zlib/> .

A Python interface to zlib written by A.M. Kuchling <amk@amk.ca> is available in Python 1.5 and later versions, see <http://docs.python.org/library/zlib.html> .

zlib is built into tcl: <http://wiki.tcl.tk/4610> .

An experimental package to read and write files in .zip format, written on top of zlib by Gilles Vollant <info@winimage.com>, is available in the contrib/minizip directory of zlib.

Notes for some targets:

- For Windows DLL versions, please see win32/DLL_FAQ.txt
- For 64-bit Irix, deflate.c must be compiled without any optimization. With -O, one libpng test fails. The test works in 32 bit mode (with the -n32 compiler flag). The compiler bug has been reported to SGI.
- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.
- On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.
- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers. Use "make test" to check your compiler.

- gzopen is not supported on RISCOS or BEOS.

- For PalmOs, see <http://palmzlib.sourceforge.net/>

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

If you use the zlib library in a product, we would appreciate *not* receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes. Please read the FAQ for more information on the distribution of modified source versions.

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/README

No license file was found, but licenses were detected in source scan.

/* crc32.c -- compute the CRC-32 of a data stream

* Copyright (C) 1995-2006, 2010, 2011, 2012, 2016 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*

* Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster

* CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing

* tables for updating the shift register in one step with three exclusive-ors

* instead of four steps with four exclusive-ors. This results in about a

* factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3.

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/crc32.c

No license file was found, but licenses were detected in source scan.

/* gzguts.h -- zlib internal header definitions for gz* operations

* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzguts.h

No license file was found, but licenses were detected in source scan.

Frequently Asked Questions about zlib

If your question is not there, please check the zlib home page

<http://zlib.net/> which may have more recent information.

The latest zlib FAQ is at http://zlib.net/zlib_faq.html

1. Is zlib Y2K-compliant?

Yes. zlib doesn't handle dates.

2. Where can I get a Windows DLL version?

The zlib sources can be compiled without change to produce a DLL. See the file win32/DLL_FAQ.txt in the zlib distribution. Pointers to the precompiled DLL are found in the zlib web site at <http://zlib.net/>.

3. Where can I get a Visual Basic interface to zlib?

See

* <http://marknelson.us/1997/01/01/zlib-engine/>

* win32/DLL_FAQ.txt in the zlib distribution

4. `compress()` returns `Z_BUF_ERROR`.

Make sure that before the call of `compress()`, the length of the compressed buffer is equal to the available size of the compressed buffer and not zero. For Visual

Basic, check that this parameter is passed by reference ("as any"), not by value ("as long").

5. `deflate()` or `inflate()` returns `Z_BUF_ERROR`.

Before making the call, make sure that `avail_in` and `avail_out` are not zero. When setting the parameter `flush` equal to `Z_FINISH`, also make sure that `avail_out` is big enough to allow processing all pending input. Note that a `Z_BUF_ERROR` is not fatal--another call to `deflate()` or `inflate()` can be made with more input or output space. A `Z_BUF_ERROR` may in fact be unavoidable depending on how the functions are used, since it is not possible to tell whether or not there is more output pending when `strm.avail_out` returns with zero. See http://zlib.net/zlib_how.html for a heavily annotated example.

6. Where's the zlib documentation (man pages, etc.)?

It's in `zlib.h`. Examples of zlib usage are in the files `test/example.c` and `test/minigzip.c`, with more in `examples/`.

7. Why don't you use GNU `autoconf` or `libtool` or ...?

Because we would like to keep zlib as a very small and simple package. zlib is rather portable and doesn't need much configuration.

8. I found a bug in zlib.

Most of the time, such problems are due to an incorrect usage of zlib. Please try to reproduce the problem with a small program and send the corresponding source to us at zlib@gzip.org. Do not send multi-megabyte data files without prior agreement.

9. Why do I get "undefined reference to `gzputc`"?

If "make test" produces something like

```
example.o(.text+0x154): undefined reference to `gzputc'
```

check that you don't have old files `libz.*` in `/usr/lib`, `/usr/local/lib` or

/usr/X11R6/lib. Remove any old versions, then do "make install".

10. I need a Delphi interface to zlib.

See the contrib/delphi directory in the zlib distribution.

11. Can zlib handle .zip archives?

Not by itself, no. See the directory contrib/minizip in the zlib distribution.

12.

Can zlib handle .Z files?

No, sorry. You have to spawn an uncompress or gunzip subprocess, or adapt the code of uncompress on your own.

13. How can I make a Unix shared library?

By default a shared (and a static) library is built for Unix. So:

```
make distclean
./configure
make
```

14. How do I install a shared zlib library on Unix?

After the above, then:

```
make install
```

However, many flavors of Unix come with a shared zlib already installed. Before going to the trouble of compiling a shared version of zlib and trying to install it, you may want to check if it's already there! If you can `#include <zlib.h>`, it's there. The `-lz` option will probably link to it. You can check the version at the top of `zlib.h` or with the `ZLIB_VERSION` symbol defined in `zlib.h`.

15. I have a question about OttoPDF.

We are not the authors of OttoPDF. The real author is on the OttoPDF web site: Joel Hainley, jhainley@myndkryme.com.

16.

Can zlib decode Flate data in an Adobe PDF file?

Yes. See <http://www.pdflib.com/>. To modify PDF forms, see <http://sourceforge.net/projects/acroformtool/>.

17. Why am I getting this "register_frame_info not found" error on Solaris?

After installing zlib 1.1.4 on Solaris 2.6, running applications using zlib generates an error such as:

```
ld.so.1: rpm: fatal: relocation error: file /usr/local/lib/libz.so:  
symbol __register_frame_info: referenced symbol not found
```

The symbol `__register_frame_info` is not part of zlib, it is generated by the C compiler (cc or gcc). You must recompile applications using zlib which have this problem. This problem is specific to Solaris. See <http://www.sunfreeware.com> for Solaris versions of zlib and applications using zlib.

18. Why does gzip give an error on a file I make with compress/deflate?

The compress and deflate functions produce data in the zlib format, which is different and incompatible with the gzip format. The `gz*` functions in zlib on the other hand use the gzip format. Both the zlib and gzip formats use the same compressed data format internally, but have different headers and trailers around the compressed data.

19. Ok, so why are there two different formats?

The gzip format was designed to retain the directory information about a single file, such as the name and last modification date. The zlib format on the other hand was designed for in-memory and communication channel applications, and has a much more compact header and trailer and uses a faster integrity check than gzip.

20. Well that's nice, but how do I make a gzip file in memory?

You can request that deflate write the gzip format instead of the zlib format using `deflateInit2()`. You can also request that inflate decode the gzip format using `inflateInit2()`. Read `zlib.h` for more details.

21. Is zlib thread-safe?

Yes. However any library routines that zlib uses and any application-provided memory allocation routines must also be thread-safe. zlib's `gz*` functions use stdio library routines, and most of zlib's functions use the library memory allocation routines by default. zlib's `*Init*` functions allow for the application to provide custom memory allocation routines.

Of course, you should only operate on any given zlib or gzip stream from a

single thread at a time.

22. Can I use zlib in my commercial application?

Yes. Please read the license in `zlib.h`.

23. Is zlib under the GNU license?

No. Please read the license in `zlib.h`.

24. The license says that altered source versions must be "plainly marked". So what exactly do I need to do to meet that requirement?

You need to change the `ZLIB_VERSION` and `ZLIB_VERNUM` #defines in `zlib.h`. In particular, the final version number needs to be changed to "f", and an identification string should be appended to `ZLIB_VERSION`. Version numbers `x.x.x.f` are reserved for modifications to zlib by others than the zlib maintainers. For example, if the version of the base zlib you are altering is "1.2.3.4", then in `zlib.h` you should change `ZLIB_VERNUM` to `0x123f`, and `ZLIB_VERSION` to something like "1.2.3.f-zachary-mods-v3". You can also update the version strings in `deflate.c` and `inftrees.c`.

For altered source distributions, you should also note the origin and nature of the changes in `zlib.h`, as well as in `ChangeLog` and `README`, along with the dates of the alterations. The origin should include at least your name (or your company's name), and an email address to contact for help or issues with the library.

Note that distributing a compiled zlib library along with `zlib.h` and `zconf.h` is also a source distribution, and so you should change `ZLIB_VERSION` and `ZLIB_VERNUM` and note the origin and nature of the changes in `zlib.h` as you would for a full source distribution.

25.

Will zlib work on a big-endian or little-endian architecture, and can I exchange compressed data between them?

Yes and yes.

26. Will zlib work on a 64-bit machine?

Yes. It has been tested on 64-bit machines, and has no dependence on any data types being limited to 32-bits in length. If you have any difficulties, please provide a complete problem report to zlib@gzip.org

27. Will zlib decompress data from the PKWare Data Compression Library?

No. The PKWare DCL uses a completely different compressed data format than

does PKZIP and zlib. However, you can look in zlib's contrib/blast directory for a possible solution to your problem.

28. Can I access data randomly in a compressed stream?

No, not without some preparation. If when compressing you periodically use `Z_FULL_FLUSH`, carefully write all the pending data at those points, and keep an index of those locations, then you can start decompression at those points. You have to be careful to not use `Z_FULL_FLUSH` too often, since it can significantly degrade compression. Alternatively, you can scan a deflate stream once to generate an index, and then use that index for random access. See `examples/zran.c`.

29. Does zlib work on MVS, OS/390, CICS, etc.?

It has in the past, but we have not heard of any recent evidence. There were working ports of zlib 1.1.4 to MVS, but those links no longer work. If you know of recent, successful applications of zlib on these operating systems, please let us know. Thanks.

30. Is there some simpler, easier to read version of inflate I can look at to understand the deflate format?

First off, you should read RFC 1951. Second, yes. Look in zlib's contrib/puff directory.

31. Does zlib infringe on any patents?

As far as we know, no. In fact, that was originally the whole point behind zlib. Look here for some more information:

<http://www.gzip.org/#faq11>

32. Can zlib work with greater than 4 GB of data?

Yes. `inflate()` and `deflate()` will process any amount of data correctly. Each call of `inflate()` or `deflate()` is limited to input and output chunks of the maximum value that can be stored in the compiler's "unsigned int" type, but there is no limit to the number of chunks. Note however that the `strm.total_in` and `strm.total_out` counters may be limited to 4 GB. These counters are provided as a convenience and are not used internally by `inflate()` or `deflate()`. The application can easily set up its own counters updated after each call of `inflate()` or `deflate()` to count beyond 4 GB. `compress()` and `uncompress()` may be limited to 4 GB, since they operate in a single call. `gzseek()` and `gztell()` may be limited to 4 GB depending on how zlib is compiled. See the `zlibCompileFlags()` function in `zlib.h`.

The word "may" appears several times above since there is a 4 GB limit only if the compiler's "long" type is 32 bits. If the compiler's "long" type is 64 bits, then the limit is 16 exabytes.

33. Does zlib have any security vulnerabilities?

The only one that we are aware of is potentially in `gzprintf()`. If zlib is compiled to use `sprintf()` or `vsprintf()`, then there is no protection against a buffer overflow of an 8K string space (or other value as set by `gzbuffer()`), other than the caller of `gzprintf()` assuring that the output will not exceed 8K. On the other hand, if zlib is compiled to use `snprintf()` or `vsnprintf()`, which should normally be the case, then there is no vulnerability. The `./configure` script will display warnings if an insecure variation of `sprintf()` will be used by `gzprintf()`. Also the `zlibCompileFlags()` function will return information on what variant of `sprintf()` is used by `gzprintf()`.

If you don't have `snprintf()` or `vsnprintf()` and would like one, you can find a portable implementation here:

<http://www.ijs.si/software/snprintf/>

Note that you should be using the most recent version of zlib. Versions 1.1.3 and before were subject to a double-free vulnerability, and versions 1.2.1 and 1.2.2 were subject to an access exception when decompressing invalid compressed data.

34. Is there a Java version of zlib?

Probably what you want is to use zlib in Java. zlib is already included as part of the Java SDK in the `java.util.zip` package. If you really want a version of zlib written in the Java language, look on the zlib home page for links: <http://zlib.net/>.

35. I get this or that compiler or source-code scanner warning when I crank it up to maximally-pedantic. Can't you guys write proper code?

Many years ago, we gave up attempting to avoid warnings on every compiler in the universe. It just got to be a waste of time, and some compilers were downright silly as well as contradicted each other. So now, we simply make sure that the code always works.

36. Valgrind (or some similar memory access checker) says that deflate is performing a conditional jump that depends on an uninitialized value. Isn't that a bug?

No. That is intentional for performance reasons, and the output of deflate is not affected. This only started showing up recently since zlib 1.2.x uses malloc() by default for allocations, whereas earlier versions used calloc(), which zeros out the allocated memory. Even though the code was correct, versions 1.2.4 and later was changed to not stimulate these checkers.

37. Will zlib read the (insert any ancient or arcane format here) compressed data format?

Probably not. Look in the comp.compression FAQ for pointers to various formats and associated software.

38. How can I encrypt/decrypt zip files with zlib?

zlib doesn't support encryption. The original PKZIP encryption is very weak and can be broken with freely available programs. To get strong encryption, use GnuPG, <http://www.gnupg.org/>, which already includes zlib compression. For PKZIP compatible "encryption", look at <http://www.info-zip.org/>

39. What's the difference between the "gzip" and "deflate" HTTP 1.1 encodings?

"gzip" is the gzip format, and "deflate" is the zlib format. They should probably have called the second one "zlib" instead to avoid confusion with the raw deflate compressed data format. While the HTTP 1.1 RFC 2616 correctly points to the zlib specification in RFC 1950 for the "deflate" transfer encoding, there have been reports of servers and browsers that incorrectly produce or expect raw deflate data per the deflate specification in RFC 1951, most notably Microsoft. So even though the "deflate" transfer encoding using the zlib format would be the more efficient approach (and in fact exactly what the zlib format was designed for), using the "gzip" transfer encoding is probably more reliable due to an unfortunate choice of name on the part of the HTTP 1.1 authors.

Bottom line: use the gzip format for HTTP 1.1 encoding.

40. Does zlib support the new "Deflate64" format introduced by PKWare?

No. PKWare has apparently decided to keep that format proprietary, since they have not documented it as they have previous compression formats. In any case, the compression improvements are so modest compared to other more modern approaches, that it's not worth the effort to implement.

41. I'm having a problem with the zip functions in zlib, can you help?

There are no zip functions in zlib. You are probably using minizip by Giles Vollant, which is found in the contrib directory of zlib. It is not part of zlib. In fact none of the stuff in contrib is part of zlib. The files in there are not supported by the zlib authors. You need to contact the authors of the respective contribution for help.

42. The match.asm code in contrib is under the GNU General Public License.

Since it's part of zlib, doesn't that mean that all of zlib falls under the GNU GPL?

No. The files in contrib are not part of zlib. They were contributed by other authors and are provided as a convenience to the user within the zlib distribution. Each item in contrib has its own license.

43. Is zlib subject to export controls? What is its ECCN?

zlib is not subject to export controls, and so is classified as EAR99.

44. Can you please sign these lengthy legal documents and fax them back to us so that we can use your software in our product?

No. Go away. Shoo.

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/FAQ
No license file was found, but licenses were detected in source scan.
```

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Altered source versions must be plainly marked as such, and must not be
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Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.3
No license file was found, but licenses were detected in source scan.
```

```
/* minizip.c -- simulate gzip using the zlib compression library
* Copyright (C) 1995-2006, 2010, 2011, 2016 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/minizip.c
No license file was found, but licenses were detected in source scan.
```

```
/* inflate.h -- internal inflate state definition
* Copyright (C) 1995-2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.h
No license file was found, but licenses were detected in source scan.
```

```
# For conditions of distribution and use, see copyright notice in zlib.h
```

Found in path(s):

```
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.dj2
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/Makefile.emx
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.emx
* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/os2/Makefile.os2
No license file was found, but licenses were detected in source scan.
```

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017
```

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for

Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

Found in path(s):

* /opt/cola/permits/1400134737_1661788173.3023732/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.h

1.178 @formatjs/fast-memoize 1.2.6

1.178.1 Available under license :

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1.179 classnames 2.3.2

1.179.1 Available under license :

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1.180 react-transition-group 4.4.5

1.180.1 Available under license :

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1.181 @formatjs/intl-localesmatcher 0.2.31

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1.182 bzip2 1.0.8-4

1.182.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: bzip2

Source: <http://www.bzip.org/>

Files: *

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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

1.183 selinux 3.1-3

1.183.1 Available under license :

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1.184 libsemanage-common 3.1-1+b2

1.184.1 Available under license :

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables

containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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1.209 libtasn 4.16.0-2+deb11u1

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Alan Beale <biljir@pobox.com> also deserves special credit as he has, in addition to providing the 12Dicts package and being a major contributor to the ENABLE word list, given me an incredible amount of feedback and created a number of special lists (those found in the Supplement) in order to help improve the overall quality of SCOWL.

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Date: Sat, 08 Jul 2000 20:27:21
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Date: Tue, 11 Jul 2000 19:31:34 +0100

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Constant-time SSSE3 AES core implementation.

version 0.1

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By Mike Hamburg (Stanford University), 2009

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For details see https://shiftright.org/papers/vector_aes/ and

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Version 3, 29 June 2007

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1.217 json5 2.2.3

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1.218 @formatjs/intl 2.5.1

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1.219 @formatjs/icu-messageformat-parser

2.1.10

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1.220 @formatjs/icu-skeleton-parser 1.3.14

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1.221 @formatjs/intl-displaynames 6.1.4

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1.222 @formatjs/intl-listformat 7.1.3

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1.223 @formatjs/ecma402-abstract 1.13.0

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1.224 @types/react 18.0.24

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1.225 types-react-test-renderer 18.0.0

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1.226 @remix-run/router 1.0.3

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1.227 cldr-numbers-full 42.0.0

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1.234 react-router-dom 6.4.3

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1.244 react-tooltip 4.4.3

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1.245 react-router 6.4.3

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1.248 dgrijalva-jwt-go 4.0.0-preview1

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1.249 sed 4.7-1

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1.250 pcre 10.36-2+deb11u1

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1.251 libtirpc 1.3.1-1+deb11u1

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src/rpc_gss_utils.c
tirpc/rpc/rpcsec_gss.h
tirpc/rpc/svc_auth_gss.h

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src/rpcb_clnt.c
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Files: src/crypt_client.c
tirpc/rpcsvc/crypt.x
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1.252 go-playground-universal-translator

0.18.1

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1.253 redux-saga-core 1.2.3

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1.254 jquery 3.6.4

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1.255 gabriel-vasile-mimetype 1.4.2

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1.256 @linaria/core 4.2.8

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1.257 @linaria/react 4.3.6

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1.259 html-element-attributes 1.3.1

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1.260 @linaria/logger 4.0.0

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1.261 react-html-attributes 1.4.6

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1.262 @linaria/utils 4.3.2

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1.263 zxcvbn 4.4.2

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1.264 csstype 3.1.2

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1.265 @jridgewell/gen-mapping 0.3.3

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1.266 @jridgewell/sourcemap-codec 1.4.15

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1.267 @jridgewell/resolve-uri 3.1.1

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1.271 debian-archive-keyring

2021.1.1+deb11u1

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1.272 tzdata 2021a-1+deb11u10

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1.273 leodido-go-urn 1.2.4

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1.274 go-codec 1.2.11

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1.275 get-intrinsic 1.2.1

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1.276 mattn-go-isatty 0.0.19

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1.277 @emotion/is-prop-valid 1.2.1

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1.278 @emotion/memoize 0.8.1

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1.279 orderedmap 2.1.1

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1.280 rope-sequence 1.3.4

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1.281 logrus 1.9.3

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1.282 w3c-keyname 2.2.8

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1.283 semver 7.5.4

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1.284 node-releases 2.0.13

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1.285 semver 6.3.1

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1.286 systemd 247.3-7+deb11u4

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1.287 @jridgewell/trace-mapping 0.3.19

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1.288 regenerator-runtime 0.14.0

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1.289 x-text 0.12.0

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1.290 x-sys 0.11.0

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1.291 x-net 0.14.0

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1.292 gopkg.in-yaml 3.0.1

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1.293 protobuf 1.31.0

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1.294 go-toml 2.0.9

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1.295 jitterentropy-library 3.4.1-4

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```

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1.296 @babel/code-frame 7.22.13

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1.297 richardlehane-msoleps 1.0.3

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1.298 richardlehane-mscfb 1.0.4

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cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
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lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
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lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
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lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h

uts/common/gssapi/include/mechglueP.h

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c

lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation,
including
the following new or changed files:

include/iprof_hdr.h
kadmin/server/iprof_svc.c
lib/kdb/iprof.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.300 jsonwebtoken 9.0.2

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1.302 @babel/helper-module-imports 7.22.15

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1.304 @babel/template 7.22.15

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1.305 babel-helper-compilation-targets

7.22.15

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1.306 golang 1.21.1

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In a nutshell:

```
```javascript
var parse = require('spdx-expression-parse')
var assert = require('assert')

assert.deepEqual(
 // Licensed under the terms of the Two-Clause BSD License.
 parse('BSD-2-Clause'),
 {license: 'BSD-2-Clause'}
)

assert.throws(function () {
 // An invalid SPDX license expression.
 // Should be `Apache-2.0`.
 parse('Apache 2')
})

assert.deepEqual(
 // Dual licensed under LGPL 2.1 or a combination of the Three-Clause
 // BSD License and the MIT License.
 parse('(LGPL-2.1 OR BSD-3-Clause AND MIT)'),
 {
 left: {license: 'LGPL-2.1'},
 conjunction: 'or',
 right: {
 left: {license: 'BSD-3-Clause'},
 conjunction: 'and',
 right:
 {license: 'MIT'}
 }
 }
)
```
```

The syntax comes from the [Software Package Data eXchange (SPDX)](https://spdx.org/), a standard from the [Linux Foundation](https://www.linuxfoundation.org) for shareable data about software package license terms. SPDX aims to make sharing and auditing license data easy, especially for users of open-source software.

The bulk of the SPDX standard describes syntax and semantics of XML metadata files. This package implements two lightweight, plain-text components of that larger standard:

1. The [license list](https://spdx.org/licenses), a mapping from specific string identifiers, like `Apache-2.0`, to standard form license texts and bolt-on license exceptions. The [spdx-license-

ids](https://www.npmjs.com/package/spdx-exceptions) and [spdx-exceptions](https://www.npmjs.com/package/spdx-license-ids) packages implement the license list. They are development dependencies of this package.

Any license identifier from the license list is a valid license expression:

```
```javascript
require('spdx-license-ids').forEach(function (id) {
 assert.deepEqual(parse(id), {license: id})
})
```
```

So is any license identifier `WITH` a standardized license exception:

```
```javascript
require('spdx-license-ids').forEach(function (id) {
 require('spdx-exceptions').forEach(function (e) {
 assert.deepEqual(
 parse(id + ' WITH ' + e),
 {license: id, exception: e}
)
 })
})
```
```

2. The license expression language, for describing simple and complex license terms, like `MIT` for MIT-licensed and `(GPL-2.0 OR Apache-2.0)` for dual-licensing under GPL 2.0 and Apache 2.0. This package implements the license expression language.

```
```javascript
assert.deepEqual(
 // Licensed under a combination of the MIT License and a combination
 // of LGPL 2.1 (or a later version) and the Three-Clause BSD License.
 parse('(MIT AND (LGPL-2.1+ AND BSD-3-Clause))'),
 {
 left: {license: 'MIT'},
 conjunction: 'and',
 right: {
 left: {license: 'LGPL-2.1', plus: true},
 conjunction: 'and',
 right: {license: 'BSD-3-Clause'}
 }
 }
)
```
```

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// Original can be found at:

// <https://bitbucket.org/lindenlab/llsd>

// Modifications by Joshua Bell inexorabletash@gmail.com

// <https://github.com/inexorabletash/polyfill>

// ES3/ES5 implementation of the Khronos Typed Array Specification

// Ref: <http://www.khronos.org/registry/typedarray/specs/latest/>

// Date: 2011-02-01

//

// Variations:

// * Allows `typed_array.get/set()` as alias for subscripts (`typed_array[]`)

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wcwidth.js: JavaScript Porting of Markus Kuhn's wcwidth() Implementation

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Use as a JavaScript Library

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[![devDependency Status](https://david-dm.org/shinnn/spdx-license-ids/dev-status.svg)](https://david-dm.org/shinnn/spdx-license-ids#info=devDependencies)

Installation

Package managers

[npm](https://www.npmjs.com/)

```
```sh
npm install spdx-license-ids
```
```

#####

[bower](http://bower.io/)

```
```sh
bower install spdx-license-ids
```
```

[Duo](http://duojs.org/)

```
```javascript
const spdxLicenseIds = require('shinnn/spdx-license-ids');
```
```

Standalone

[Download the script file directly.](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids-browser.js)

API

spdxLicenseIds

Type: `Array` of `String`

It returns an array of SPDX license identifiers.

```
```javascript
const spdxLicenseIds = require('spdx-license-ids'); //=> ['Glide', 'Abstyles', 'AFL-1.1', ...]
```
```

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```
````javascript
var correct = require('spdx-correct');
var assert = require('assert');

assert.equal(correct('mit'), 'MIT')

assert.equal(correct('Apache 2'), 'Apache-2.0')

assert(correct('No idea what license') === null)
````
The MIT License (MIT)
```

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1.307 depd 2.0.0

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1.308 @babel/plugin-syntax-dynamic-import

7.8.3

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1.309 @babel/plugin-syntax-export-namespace-from 7.8.3

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1.310 @babel/helper-hoist-variables 7.22.5

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1.311 @babel/helper-simple-access 7.22.5

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1.312 @babel/helper-plugin-utils 7.22.5

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1.313 @babel/helper-split-export-declaration

7.22.6

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1.314 @babel/helper-string-parser 7.22.5

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1.315 rickb777-path 1.3.0

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1.316 xuri-efp 0.0.0-20230802181842-ad255f2331ca

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1.317 toorop-gin-logrus 0.0.0-20210225092905-2c785434f26f

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1.318 rickb777-servefiles 3.6.2

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1.319 @babel/compat-data 7.22.20

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1.320 @babel/highlight 7.22.20

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1.321 @babel/helper-environment-visitor

7.22.20

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1.322 @babel/helper-validator-identifier

7.22.20

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1.323 follow-redirects 1.15.3

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1.324 update-browserslist-db 1.0.13

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1.325 @babel/helper-module-transforms

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1.326 @babel/core 7.23.0

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1.328 @babel/helpers 7.23.1

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1.329 @babel/traverse 7.23.0

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1.330 @babel/types 7.23.0

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1.332 @babel/helper-function-name 7.23.0

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1.333 @babel/runtime 7.23.1

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1.334 @types/scheduler 0.16.4

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1.335 browserslist 4.22.1

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1.336 @babel/plugin-transform-modules-commonjs 7.23.0

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1.337 caniuse-lite 1.0.30001542

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1.338 electron-to-chromium 1.4.539

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1.339 @types/prop-types 15.7.8

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1.340 types-hoist-non-react-statics 3.3.2

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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the Free  
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c'  
for details.
```

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```
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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

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The End

1.344 adduser 3.118+deb11u1

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Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He

rewrote most of it.

Since May 20 2000, it is maintained by Roland Bauerschmidt
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Since March 24 2004, it is maintained by Roland Bauerschmidt
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1.345 ncurses 6.2+20201114-2+deb11u2

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This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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-- vile: txtmode file-encoding=utf-8

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Files: *

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-- vile:txtmode fc=72
-- \$Id: COPYING,v 1.9 2020/02/08 13:34:12 tom Exp \$
Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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1.346 base-files 11.1+deb11u8

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```

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```

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```
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program `Gnomovision' (a program to direct compilers to make passes  
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

That's all there is to it!

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Version 3, 29 June 2007

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The

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```

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1.355 qs 6.11.0

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1.364 cookie-signature 1.0.6

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```
# cookie-signature
```

```
Sign and unsign cookies.
```

```
## Example
```

```
```js
```

```
var cookie = require('cookie-signature');
```

```
var val = cookie.sign('hello', 'tobiiscool');
```

```
val.should.equal('hello.DGDUkGIIkCzPz+C0B064FNgHdEjox7ch8tOBGslZ5QI');
```

```
var val = cookie.sign('hello', 'tobiiscool');
```

```
cookie.unsign(val, 'tobiiscool').should.equal('hello');
```

```
cookie.unsign(val, 'luna').should.be.false;
```

```
```
```

```
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```

```
(The MIT License)
```

```
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```

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Found in path(s):

* /opt/cola/permits/1826436122_1697748066.1966572/0/cookie-signature-1-0-6-9-tgz/package/Readme.md

1.365 libjitterentropy 3.4.1

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1.367 axios 0.22.0

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1.368 ejs 2.7.4

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1.369 errors 0.9.1

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1.402 internmap 2.0.3

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1.403 d3-scale-chromatic 3.0.0

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1.404 d3-chord 3.0.1

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1.405 delaunator 5.0.0

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1.407 commander 7.2.0

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1.410 xuri-nfp 0.0.0-20230819163627-dc951e3ffe1a

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1.411 glog v0.0.0-20160126235308-23def4e6c14b

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1.413 google-go-cmp v0.5.9

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1.414 iasm v0.9.0

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1.419 google-cloud-go-testing v0.0.0-

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name: License Check

on: pull_request

```
jobs:
  build:
    runs-on: [self-hosted, X64]
    steps:
      - name: Clear repository
        run: sudo rm -fr $GITHUB_WORKSPACE && mkdir $GITHUB_WORKSPACE

      - uses: actions/checkout@v2

      - name: Check License Header
        uses: apache/skywalking-eyes/header@v0.4.0
        env:
          GITHUB_TOKEN: ${{ secrets.GITHUB_TOKEN }}

      - name: Check Branch
        run: ./scripts/check_branch_name.sh ${{ github.head_ref }}
```

1.422 binaryregexp v0.2.0

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1.423 golang-asm v0.15.1

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1.424 gax-go v2.0.5

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1.425 mime-type v1.4.2

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1.426 codec v1.2.11

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1.427 exp v0.0.0-20200224162631-6cc2880d07d6

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1.428 bytearraypool v1.0.0

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1.429 text v0.12.0

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1.430 errors v0.9.1

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package cloud

```
import (  
    "bytes"  
    "io/ioutil"  
    "os"  
    "path/filepath"  
    "strings"  
    "testing"  
)
```

```
var sentinels = []string{  
    "Copyright",  
    "Google",  
    `Licensed under the Apache License, Version 2.0 (the "License");`,  
}
```

```

func TestLicense(t *testing.T) {
    t.Parallel()
    skip := map[string]bool{
        // Automatically generated.
        "bigtable/cmd/cbt/cbt.doc.go": true,

        // BSD license, which is compatible, is embedded in
        the file.
        "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go": true,

        // From https://github.com/golang/pkgsite.
        "third_party/pkgsite/print_type.go": true,
        "third_party/pkgsite/synopsis.go": true,
    }
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if err != nil {
            return err
        }

        if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
            return nil
        }
        if strings.HasSuffix(path, ".pb.go") {
            // .pb.go files are generated from the proto files.
            // .proto files must have license headers.
            return nil
        }
        if skip[path] {
            return nil
        }
        src, err := ioutil.ReadFile(path)
        if err != nil {
            return nil
        }
        src = src[:300] // Ensure all of the sentinel values are at the top of the file.

        // Find license
        for _, sentinel := range sentinels {
            if !bytes.Contains(src, []byte(sentinel)) {
                t.Errorf("%v: license header not present. want %q", path, sentinel)
                return nil
            }
        }

        return nil
    })
    if err != nil {
        t.Fatal(err)
    }
}

```

}
}

1.432 pprof v0.0.0-20201218002935- b9804c9f04c2

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1.439 golang v0.0.0-20201120205902-5459f2c99403

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1.444 misspell v0.3.4

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1.446 xgb v0.0.0-20160522181843-27f122750802

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1.448 mobile v0.0.0-20190719004257-d2bd2a29d028

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1.451 lint v0.0.0-20201208152925-

83fdc39ff7b5

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1.455 mscfb v1.0.4

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1.468 go-toml v2.0.9

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1.469 check v1.0.0-20180628173108- 788fd7840127

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1.470 mock v1.4.4

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//  
  
// Code generated by MockGen. DO NOT EDIT.  
// Source: input.go  
  
// Package empty_interface is a generated GoMock package.  
package empty_interface  
  
import (  
    gomock "github.com/golang/mock/gomock"  
)
```

```

// MockEmpty is a mock of Empty interface
type MockEmpty struct {
    ctrl    *gomock.Controller
    recorder *MockEmptyMockRecorder
}

// MockEmptyMockRecorder is the mock recorder for MockEmpty
type MockEmptyMockRecorder struct {
    mock *MockEmpty
}

// NewMockEmpty creates a new mock instance
func NewMockEmpty(ctrl *gomock.Controller) *MockEmpty {
    mock := &MockEmpty{ctrl: ctrl}
    mock.recorder = &MockEmptyMockRecorder{mock}
    return mock
}

// EXPECT returns an object that allows the caller to indicate expected use
func (m *MockEmpty) EXPECT() *MockEmptyMockRecorder {
    return
    m.recorder
}

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 sed do eiusmod tempor incididunt ut labore et dolore magna  
 aliqua. Velit ut tortor pretium viverra suspendisse potenti.  
 //go:generate mockgen -package empty_interface -destination mock.go -source input.go -  
 copyright_file=mock_copyright_header
```

```
package empty_interface
```

```
type Empty interface{ }
```

1.471 uuid v1.1.2

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Paul Borman <borman@google.com>

bmatsuo

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1.481 go-control-plane v0.9.9-0.20201210154907-fd9021fe5dad

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1.482 go-isatty v0.0.19

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1.485 nfp v0.0.0-20230819163627- dc951e3ffe1a

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1.489 glfw v0.0.0-20190409004039-e6da0acd62b1

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1.490 golang v1.1.12

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1.494 gomega v1.27.8

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1.495 groupcache v0.0.0-20200121045136-8c9f03a8e57e

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1.496 openshift-api v0.40.0

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* github.com/rogpeppe/go-internal - <https://github.com/rogpeppe/go-internal>

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* golang.org/x/mod/module - <https://github.com/golang/mod>

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* golang.org/x/tools/go/analysis - <https://github.com/golang/tools>

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1.505 protobuf v1.5.0

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1.529 echo v4.10.2

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