



Open Source Used In Cisco Meeting Management 3.10

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In your requests please include the following reference number 78EE117C99-2130741875

Contents

1.1 libdnet 1.11

1.1.1 Available under license

1.2 lua 5.1.5

1.2.1 Available under license

1.3 concat-map 0.0.1

1.3.1 Available under license

1.4 minimist 0.0.8

1.4.1 Available under license

1.5 mkdirp 0.5.1

1.5.1 Available under license

1.6 has-ansi 2.0.0

1.6.1 Available under license

1.7 supports-color 2.0.0

1.7.1 Available under license

1.8 unicodecsv 0.14.1

1.8.1 Available under license

1.9 buffer-xor 1.0.3

1.9.1 Available under license

1.10 backbone 1.2.3

1.10.1 Available under license

1.11 syslinux 6.03

1.11.1 Available under license

1.12 browserify-rsa 4.0.1

1.12.1 Available under license

1.13 python-backports-ssl-match-hostname 3.5.0.1

1.13.1 Available under license

- 1.14 fastclick 1.0.6**
 - 1.14.1 Available under license
- 1.15 backbone 1.3.3**
 - 1.15.1 Available under license
- 1.16 backbone-computedfields 0.0.12**
 - 1.16.1 Available under license
- 1.17 backgrid-filter 0.3.7**
 - 1.17.1 Available under license
- 1.18 inflight 1.0.6**
 - 1.18.1 Available under license
- 1.19 once 1.4.0**
 - 1.19.1 Available under license
- 1.20 wrappy 1.0.2**
 - 1.20.1 Available under license
- 1.21 cookies 2.2.1**
 - 1.21.1 Available under license
- 1.22 django-bulk-update 1.1.10**
 - 1.22.1 Available under license
- 1.23 brorand 1.1.0**
 - 1.23.1 Available under license
- 1.24 browserify-sign 4.0.4**
 - 1.24.1 Available under license
- 1.25 jsesc 0.5.0**
 - 1.25.1 Available under license
- 1.26 json5 0.5.1**
 - 1.26.1 Available under license
- 1.27 xmldict 0.11.0**
 - 1.27.1 Available under license
- 1.28 appdirs 1.4.3**
 - 1.28.1 Available under license
- 1.29 strict-rfc3339 0.7**
 - 1.29.1 Available under license
- 1.30 regenerator-runtime 0.10.5**
 - 1.30.1 Available under license
- 1.31 file-saver 1.3.3**
 - 1.31.1 Available under license
- 1.32 liblogging 1.0.6**
 - 1.32.1 Available under license
- 1.33 backbone-paginator 2.0.6**

- 1.33.1 Available under license
- 1.34 backgrid-paginator 0.3.9**
 - 1.34.1 Available under license
- 1.35 util-deprecate 1.0.2**
 - 1.35.1 Available under license
- 1.36 ansi-regex 2.1.1**
 - 1.36.1 Available under license
- 1.37 ansi-styles 2.2.1**
 - 1.37.1 Available under license
- 1.38 anymatch 1.3.2**
 - 1.38.1 Available under license
- 1.39 arr-diff 2.0.0**
 - 1.39.1 Available under license
- 1.40 arr-flatten 1.1.0**
 - 1.40.1 Available under license
- 1.41 array-unique 0.2.1**
 - 1.41.1 Available under license
- 1.42 async-each 1.0.1**
 - 1.42.1 Available under license
- 1.43 babel-polyfill 6.26.0**
 - 1.43.1 Available under license
- 1.44 babel-runtime 6.26.0**
- 1.45 balanced-match 1.0.0**
 - 1.45.1 Available under license
- 1.46 strip-ansi 3.0.1**
 - 1.46.1 Available under license
- 1.47 brace 1.8.5**
 - 1.47.1 Available under license
- 1.48 chalk 1.1.3**
 - 1.48.1 Available under license
- 1.49 chokidar 1.7.0**
 - 1.49.1 Available under license
- 1.50 source-map-support 0.4.18**
 - 1.50.1 Available under license
- 1.51 set-immediate-shim 1.0.1**
- 1.52 safe-buffer 5.1.1**
 - 1.52.1 Available under license
- 1.53 repeat-string 1.6.1**
 - 1.53.1 Available under license

- 1.54 repeat-element 1.1.2**
 - 1.54.1 Available under license
- 1.55 regex-cache 0.4.4**
 - 1.55.1 Available under license
- 1.56 core-util-is 1.0.2**
 - 1.56.1 Available under license
- 1.57 readdirp 2.1.0**
 - 1.57.1 Available under license
- 1.58 randomatic 1.1.7**
 - 1.58.1 Available under license
- 1.59 punycode 1.4.1**
 - 1.59.1 Available under license
- 1.60 preserve 0.2.0**
 - 1.60.1 Available under license
- 1.61 debug 2.6.9**
 - 1.61.1 Available under license
- 1.62 escape-string-regexp 1.0.5**
 - 1.62.1 Available under license
- 1.63 path-is-absolute 1.0.1**
 - 1.63.1 Available under license
- 1.64 expand-brackets 0.1.5**
 - 1.64.1 Available under license
- 1.65 expand-range 1.8.2**
 - 1.65.1 Available under license
- 1.66 extglob 0.3.2**
 - 1.66.1 Available under license
- 1.67 parse-glob 3.0.4**
 - 1.67.1 Available under license
- 1.68 normalize-path 2.1.1**
 - 1.68.1 Available under license
- 1.69 ms 2.0.0**
 - 1.69.1 Available under license
- 1.70 minimatch 3.0.4**
 - 1.70.1 Available under license
- 1.71 is-posix-bracket 0.1.1**
 - 1.71.1 Available under license
- 1.72 is-number 2.1.0**
 - 1.72.1 Available under license
- 1.73 is-extendable 0.1.1**

- 1.73.1 Available under license
- 1.74 is-equal-shallow 0.1.3**
 - 1.74.1 Available under license
- 1.75 is-dotfile 1.0.3**
 - 1.75.1 Available under license
- 1.76 is-binary-path 1.0.1**
 - 1.76.1 Available under license
- 1.77 inherits 2.0.3**
 - 1.77.1 Available under license
- 1.78 graceful-fs 4.1.11**
 - 1.78.1 Available under license
- 1.79 glob-parent 2.0.0**
 - 1.79.1 Available under license
- 1.80 glob-base 0.3.0**
 - 1.80.1 Available under license
- 1.81 for-own 0.1.5**
 - 1.81.1 Available under license
- 1.82 for-in 1.0.2**
 - 1.82.1 Available under license
- 1.83 fill-range 2.2.3**
 - 1.83.1 Available under license
- 1.84 filename-regex 2.0.1**
 - 1.84.1 Available under license
- 1.85 dcron 4.5**
- 1.86 webcolors 1.7**
 - 1.86.1 Available under license
- 1.87 ifupdown 0.8.16**
 - 1.87.1 Available under license
- 1.88 babelon 6.18.0**
 - 1.88.1 Available under license
- 1.89 babel-code-frame 6.26.0**
- 1.90 esutils 2.0.2**
 - 1.90.1 Available under license
- 1.91 glob 7.1.2**
 - 1.91.1 Available under license
- 1.92 globals 9.18.0**
 - 1.92.1 Available under license
- 1.93 is-finite 1.0.2**
 - 1.93.1 Available under license

- 1.94 js-tokens 3.0.2**
 - 1.94.1 Available under license
- 1.95 loose-envify 1.3.1**
 - 1.95.1 Available under license
- 1.96 number-is-nan 1.0.1**
 - 1.96.1 Available under license
- 1.97 os-homedir 1.0.2**
 - 1.97.1 Available under license
- 1.98 os-tmpdir 1.0.2**
 - 1.98.1 Available under license
- 1.99 slash 1.0.0**
- 1.100 babel-helper-call-delegate 6.24.1**
- 1.101 babel-helper-define-map 6.26.0**
- 1.102 babel-helper-function-name 6.24.1**
- 1.103 babel-helper-get-function-arity 6.24.1**
- 1.104 babel-helper-hoist-variables 6.24.1**
- 1.105 babel-helper-optimise-call-expression 6.24.1**
- 1.106 babel-helper-replace-supers 6.24.1**
- 1.107 babel-helpers 6.24.1**
- 1.108 babel-messages 6.23.0**
- 1.109 babel-plugin-check-es2015-constants 6.22.0**
- 1.110 babel-plugin-transform-es2015-arrow-functions 6.22.0**
- 1.111 babel-plugin-transform-es2015-block-scoped-functions 6.22.0**
- 1.112 babel-plugin-transform-es2015-block-scoping 6.26.0**
- 1.113 babel-plugin-transform-es2015-classes 6.24.1**
- 1.114 babel-plugin-transform-es2015-computed-properties 6.24.1**
- 1.115 babel-plugin-transform-es2015-destructuring 6.23.0**
- 1.116 babel-plugin-transform-es2015-duplicate-keys 6.24.1**
- 1.117 babel-plugin-transform-es2015-for-of 6.23.0**
- 1.118 babel-plugin-transform-es2015-function-name 6.24.1**
- 1.119 babel-plugin-transform-es2015-literals 6.22.0**
- 1.120 babel-plugin-transform-es2015-modules-amd 6.24.1**
- 1.121 babel-plugin-transform-es2015-modules-commonjs 6.26.0**
- 1.122 babel-plugin-transform-es2015-modules-systemjs 6.24.1**
- 1.123 babel-plugin-transform-es2015-modules-umd 6.24.1**
- 1.124 babel-plugin-transform-es2015-object-super 6.24.1**
- 1.125 babel-plugin-transform-es2015-parameters 6.24.1**
- 1.126 babel-plugin-transform-es2015-shorthand-properties 6.24.1**
- 1.127 babel-plugin-transform-es2015-spread 6.22.0**

- 1.128 babel-plugin-transform-es2015-sticky-regex 6.24.1**
- 1.129 babel-plugin-transform-es2015-template-literals 6.22.0**
- 1.130 babel-plugin-transform-es2015-typeof-symbol 6.23.0**
- 1.131 babel-plugin-transform-es2015-unicode-regex 6.24.1**
- 1.132 babel-plugin-transform-strict-mode 6.24.1**
- 1.133 babel-register 6.26.0**
- 1.134 babel-template 6.26.0**
- 1.135 babel-traverse 6.26.0**
- 1.136 babel-types 6.26.0**
- 1.137 binary-extensions 1.11.0**
 - 1.137.1 Available under license
- 1.138 convert-source-map 1.5.1**
 - 1.138.1 Available under license
- 1.139 detect-indent 4.0.0**
 - 1.139.1 Available under license
- 1.140 fs-readdir-recursive 1.1.0**
 - 1.140.1 Available under license
- 1.141 home-or-tmp 2.0.0**
 - 1.141.1 Available under license
- 1.142 jsesc 1.3.0**
 - 1.142.1 Available under license
- 1.143 output-file-sync 1.1.2**
 - 1.143.1 Available under license
- 1.144 private 0.1.8**
 - 1.144.1 Available under license
- 1.145 regenerate 1.3.3**
 - 1.145.1 Available under license
- 1.146 regenerator-transform 0.10.1**
 - 1.146.1 Available under license
- 1.147 regexpu-core 2.0.0**
 - 1.147.1 Available under license
- 1.148 regjsgen 0.2.0**
 - 1.148.1 Available under license
- 1.149 regjsparser 0.1.5**
 - 1.149.1 Available under license
- 1.150 repeating 2.0.1**
 - 1.150.1 Available under license
- 1.151 to-fast-properties 1.0.3**
 - 1.151.1 Available under license

- 1.152 trim-right 1.0.1**
 - 1.152.1 Available under license
- 1.153 user-home 1.1.1**
 - 1.153.1 Available under license
- 1.154 v8flags 2.1.1**
 - 1.154.1 Available under license
- 1.155 cipher-base 1.0.4**
 - 1.155.1 Available under license
- 1.156 hmac-drbg 1.0.1**
 - 1.156.1 Available under license
- 1.157 miller-rabin 4.0.1**
 - 1.157.1 Available under license
- 1.158 minimalistic-crypto-utils 1.0.1**
 - 1.158.1 Available under license
- 1.159 moment 2.19.1**
 - 1.159.1 Available under license
- 1.160 websocket-client 0.47.0**
 - 1.160.1 Available under license
- 1.161 crypto-browserify 3.12.0**
 - 1.161.1 Available under license
- 1.162 brace-expansion 1.1.11**
 - 1.162.1 Available under license
- 1.163 process-nextick-args 2.0.0**
 - 1.163.1 Available under license
- 1.164 regenerator-runtime 0.11.1**
 - 1.164.1 Available under license
- 1.165 source-map 0.5.7**
 - 1.165.1 Available under license
- 1.166 coverage 4.3.4**
 - 1.166.1 Available under license
- 1.167 ipython-genutils 0.2.0**
 - 1.167.1 Available under license
- 1.168 traitlets 4.3.2**
 - 1.168.1 Available under license
- 1.169 requests-ntlm 1.1.0**
 - 1.169.1 Available under license
- 1.170 wsaccel 0.6.2**
 - 1.170.1 Available under license
- 1.171 diff-match-patch 20121119**

1.171.1 Available under license

1.172 backgrid 0.3.8

1.172.1 Available under license

1.173 lunr 0.7.2

1.173.1 Available under license

1.174 pvutils 1.0.12

1.175 pkijs 2.1.10

1.175.1 Available under license

1.176 js-cookie 2.1.4

1.176.1 Available under license

1.177 commander 2.15.1

1.177.1 Available under license

1.178 invariant 2.2.4

1.178.1 Available under license

1.179 readable-stream 2.3.6

1.179.1 Available under license

1.180 babel-preset-es2015 6.24.1

1.181 babel-generator 6.26.1

1.182 i18next 7.2.3

1.182.1 Available under license

1.183 gsap 1.20.3

1.183.1 Available under license

1.184 netns 2c9454e4fc6e2edc1a1c84e64ed3d6e662fb6991

1.184.1 Available under license

1.185 netlink dbc72376c86301bb873c332830857e73c9f701e3

1.185.1 Available under license

1.186 gojsonreference e02fc20de94c78484cd5ffb007f8af96be030a45

1.186.1 Available under license

1.187 gojsonschema f06f290571ce81ab347174c6f7ad2e1865af41a7

1.187.1 Available under license

1.188 safe-buffer 5.1.2

1.188.1 Available under license

1.189 babel-cli 6.26.0

1.190 babel-plugin-transform-regenerator 6.26.0

1.191 babel-core 6.26.0

1.192 async-timeout 3.0.0

1.192.1 Available under license

1.193 decorator 4.3.0

1.193.1 Available under license

1.194 minimalist 1.2.0

1.194.1 Available under license

1.195 browserify-aes 1.2.0

1.195.1 Available under license

1.196 browserify-cipher 1.0.1

1.196.1 Available under license

1.197 create-ecdh 4.0.3

1.197.1 Available under license

1.198 create-hash 1.2.0

1.198.1 Available under license

1.199 create-hmac 1.1.7

1.199.1 Available under license

1.200 diffie-hellman 5.0.3

1.200.1 Available under license

1.201 hash-base 3.0.4

1.201.1 Available under license

1.202 minimalistic-assert 1.0.1

1.202.1 Available under license

1.203 pbkdf2 3.0.16

1.203.1 Available under license

1.204 public-encrypt 4.0.2

1.204.1 Available under license

1.205 randomfill 1.0.4

1.205.1 Available under license

1.206 ripemd160 2.0.2

1.206.1 Available under license

1.207 ntlm-auth 1.2.0

1.207.1 Available under license

1.208 moment-duration-format 2.2.2

1.208.1 Available under license

1.209 ptyprocess 0.6.0

1.209.1 Available under license

1.210 backcall 0.1.0

1.211 jdcalf 1.4

1.211.1 Available under license

1.212 django-auth-ldap 1.7.0

1.212.1 Available under license

1.213 django-import-export 1.0.1

1.213.1 Available under license

1.214 automat 0.7.0
1.214.1 Available under license

1.215 et-xmlfile 1.0.1

1.216 txaio 18.8.1
1.216.1 Available under license

1.217 django-cors-headers 2.4.0
1.217.1 Available under license

1.218 odfpy 1.3.6
1.218.1 Available under license

1.219 elliptic 6.4.1

1.220 supports-color 5.5.0
1.220.1 Available under license

1.221 punycode 2.1.1
1.221.1 Available under license

1.222 idna 2.8
1.222.1 Available under license

1.223 pynacl 1.3.0
1.223.1 Available under license

1.224 plotly-js-basic-dist 1.44.1
1.224.1 Available under license

1.225 flatpickr 4.5.2
1.225.1 Available under license

1.226 babel-helper-regex 6.24.1
1.226.1 Available under license

1.227 responses 0.10.5
1.227.1 Available under license

1.228 colorama 0.4.1
1.228.1 Available under license

1.229 jquery-ui 1.12.1

1.230 urllib3 1.24.2
1.230.1 Available under license

1.231 webpack-jquery-ui 2.0.1

1.232 bzip2 1.0.8

1.233 iptables 1.8.3

1.234 open-ldap 2.4.48

1.235 select2 4.0.8
1.235.1 Available under license

1.236 sqlite 3.30.1

1.237 json-c 0.99.8

1.237.1 Available under license

1.238 gmp 6.1.2

1.238.1 Available under license

1.239 ncurses 6.1

1.239.1 Available under license

1.240 python-requests 2.22.0

1.240.1 Available under license

1.241 popt 1.16

1.241.1 Available under license

1.242 python-lxml 4.4.1

1.242.1 Available under license

1.243 pyparsing 2.4.2

1.243.1 Available under license

1.244 packaging 19.1

1.244.1 Available under license

1.245 urllib3 1.25.6

1.245.1 Available under license

1.246 jsonref 0.2

1.246.1 Available under license

1.247 cryptography 2.8

1.247.1 Available under license

1.248 xz 5.2.4

1.248.1 Available under license

1.249 libpcap 1.9.1

1.249.1 Available under license

1.250 libxml2 2.9.10

1.250.1 Available under license

1.251 pyyaml 3.13

1.251.1 Available under license

1.252 python-requests 2.21.0

1.252.1 Available under license

1.253 python-dockerpty 0.4.1

1.253.1 Available under license

1.254 core-js 2.5.5

1.254.1 Available under license

1.255 readline 8.0

1.255.1 Available under license

1.256 libxslt 1.1.34

1.256.1 Available under license

1.257 kombu 4.6.7

1.257.1 Available under license

1.258 six 1.14.0

1.258.1 Available under license

1.259 amqp 2.5.2

1.259.1 Available under license

1.260 vine 1.3.0

1.260.1 Available under license

1.261 pytzdata 2019.1

1.261.1 Available under license

1.262 postgres-sql 12.2

1.262.1 Available under license

1.263 libunistring 0.9.10

1.263.1 Available under license

1.264 libyaml 0.2.2

1.264.1 Available under license

1.265 fs.realpath 1.0.0

1.265.1 Available under license

1.266 evp_bytestokey 1.0.3

1.266.1 Available under license

1.267 backbone.radio 2.0.0

1.267.1 Available under license

1.268 randombytes 2.0.6

1.268.1 Available under license

1.269 bn.js 4.11.8

1.269.1 Available under license

1.270 hash.js 1.1.5

1.270.1 Available under license

1.271 string_decoder 1.1.1

1.271.1 Available under license

1.272 asn1.js 4.10.1

1.272.1 Available under license

1.273 object.assign 4.1.1

1.273.1 Available under license

1.274 des.js 1.0.0

1.274.1 Available under license

1.275 ldap-filters 2.2.2

1.275.1 Available under license

1.276 object.omit 2.0.1

- 1.276.1 Available under license
- 1.277 sha.js 2.4.11**
 - 1.277.1 Available under license
- 1.278 backbone.marionette 3.4.4**
 - 1.278.1 Available under license
- 1.279 bridgeutils 1.6**
 - 1.279.1 Available under license
- 1.280 ldap-filter 0.2.1**
 - 1.280.1 Available under license
- 1.281 pendulum 2.0.4**
 - 1.281.1 Available under license
- 1.282 postcss 6.0.21**
 - 1.282.1 Available under license
- 1.283 pyasn 0.1.9**
 - 1.283.1 Available under license
- 1.284 soundex 0.2.1**
 - 1.284.1 Available under license
- 1.285 start-stop-daemon 1.18.10**
 - 1.285.1 Available under license
- 1.286 text-encoding-shim 1.0.4**
 - 1.286.1 Available under license
- 1.287 docker-pycreds 0.4.0**
 - 1.287.1 Available under license
- 1.288 fdisk 2.35.1**
 - 1.288.1 Available under license
- 1.289 libffi 3.3**
 - 1.289.1 Available under license
- 1.290 netcat 0.7.1**
 - 1.290.1 Available under license
- 1.291 stunnel 5.56**
 - 1.291.1 Available under license
- 1.292 libnettle6 3.5.1**
 - 1.292.1 Available under license
- 1.293 jquery 3.5.1**
 - 1.293.1 Available under license
- 1.294 redis 5.0.7**
 - 1.294.1 Available under license
- 1.295 jsonschema 2.5.1**
 - 1.295.1 Available under license

1.296 pycparser 2.19

1.296.1 Available under license

1.297 pyasn1 0.1.9

1.297.1 Available under license

1.298 ntp 4.2.8p15

1.298.1 Available under license

1.299 libtirpc 1.2.5

1.299.1 Available under license

1.300 is-number 3.0.0

1.300.1 Available under license

1.301 kind-of 4.0.0

1.301.1 Available under license

1.302 kind-of 3.2.2

1.302.1 Available under license

1.303 bcrypt 3.2.0

1.303.1 Available under license

1.304 paramiko 2.7.2

1.304.1 Available under license

1.305 tcpdump 4.9.3

1.305.1 Available under license

1.306 asgiref 3.2.3

1.306.1 Available under license

1.307 billiard 3.6.1.0

1.307.1 Available under license

1.308 cached-property 1.5.1

1.308.1 Available under license

1.309 channels 2.3.1

1.309.1 Available under license

1.310 channels-redis 2.4.2

1.310.1 Available under license

1.311 daphne 2.4.1

1.311.1 Available under license

1.312 django-redis 4.11.0

1.312.1 Available under license

1.313 docker 4.1.0

1.313.1 Available under license

1.314 hiredis 0.2.0

1.314.1 Available under license

1.315 libglib 2.62.4

- 1.315.1 Available under license
- 1.316 libseccomp 2.4.1**
 - 1.316.1 Available under license
- 1.317 ndisc 1.0.4**
 - 1.317.1 Available under license
- 1.318 parso 0.5.2**
 - 1.318.1 Available under license
- 1.319 prompt-toolkit 3.0.2**
 - 1.319.1 Available under license
- 1.320 psycpg 2.8.4**
 - 1.320.1 Available under license
- 1.321 pyasn1 0.4.7**
 - 1.321.1 Available under license
- 1.322 python-blessed 1.17.5**
 - 1.322.1 Available under license
- 1.323 python-certifi 2019.9.11**
 - 1.323.1 Available under license
- 1.324 python-setuptools 41.4.0**
 - 1.324.1 Available under license
- 1.325 text-table 1.6.2**
 - 1.325.1 Available under license
- 1.326 tzdata 2019c**
 - 1.326.1 Available under license
- 1.327 zope-interface 4.6.0**
 - 1.327.1 Available under license
- 1.328 docker-containerd 1.2.12**
 - 1.328.1 Available under license
- 1.329 docker 19.03.5**
 - 1.329.1 Available under license
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1.2 lua 5.1.5

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1.3 concat-map 0.0.1

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1.4 **minimist 0.0.8**

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1.5 **mkdirp 0.5.1**

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1.6 has-ansi 2.0.0

1.6.1 Available under license :

has-ansi [![Build Status](https://travis-ci.org/sindresorhus/has-ansi.svg?branch=master)](https://travis-ci.org/sindresorhus/has-ansi)

> Check if a string has [ANSI escape codes](http://en.wikipedia.org/wiki/ANSI_escape_code)

```
## Install
```

```
...
```

```
$ npm install --save has-ansi
```

```
...
```

```
## Usage
```

```
```js
```

```
var hasAnsi = require('has-ansi');
```

```
hasAnsi('\u001b[4m\u001b[0m');
```

```
//=> true
```

```
hasAnsi('cake');
```

```
//=> false
```

```
```
```

Related

- [has-ansi-cli](https://github.com/sindresorhus/has-ansi-cli) - CLI for this module
- [strip-ansi](https://github.com/sindresorhus/strip-ansi) - Strip ANSI escape codes
- [ansi-regex](https://github.com/sindresorhus/ansi-regex) - Regular expression for matching ANSI escape codes
- [chalk](https://github.com/sindresorhus/chalk) - Terminal string styling done right

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1.7 supports-color 2.0.0

1.7.1 Available under license :

```
# supports-color [![Build Status](https://travis-ci.org/chalk/supports-color.svg?branch=master)](https://travis-ci.org/chalk/supports-color)
```

> Detect whether a terminal supports color

Install

```
$ npm install --save supports-color
```

Usage

```
```js
var supportsColor = require('supports-color');

if (supportsColor) {
 console.log('Terminal supports color');
}
```
```

It obeys the `--color` and `--no-color` CLI flags.

For situations where using `--color` is not possible, add an environment variable `FORCE_COLOR` with any value to force color. Trumps `--no-color`.

Related

- [supports-color-cli](https://github.com/chalk/supports-color-cli) - CLI for this module
- [chalk](https://github.com/chalk/chalk) - Terminal string styling done right

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1.8 unicodesv 0.14.1

1.8.1 Available under license :

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license='BSD License',
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Found in path(s):

* /opt/cola/permits/113619482_1695287522.204296/0/unicodesv-0-14-1-3-tar-gz/unicodesv-0.14.1/setup.py

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Metadata-Version: 1.1

Name: unicodesv

Version: 0.14.1

Summary: Python2's stdlib csv module is nice, but it doesn't support unicode. This module is a drop-in replacement which *does*.

Home-page: <https://github.com/jdunck/python-unicodesv>

Author: Jeremy Dunck

Author-email: jdunck@gmail.com

License: BSD License

Description: unicodesv

=====

The unicodesv is a drop-in replacement for Python 2.7's csv module which supports unicode strings without a hassle. Supported versions are python 2.7, 3.3, 3.4, 3.5, and pypy 2.4.0.

More fully

Python 2's csv module doesn't easily deal with unicode strings, leading to the dreaded "'ascii' codec can't encode characters in position ..." exception.

You can work around it by encoding everything just before calling write (or just after read), but why not add support to the serializer?

.. code-block:: pycon

```
>>> import unicodcsv as csv
>>> from io import BytesIO
>>> f = BytesIO()
>>> w = csv.writer(f, encoding='utf-8')
>>> _ = w.writerow((u'é', u'ñ'))
>>> _ = f.seek(0)
>>> r = csv.reader(f, encoding='utf-8')
>>> next(r) == [u'é', u'ñ']
True
```

Note that unicodcsv expects a bytestream, not unicode -- so there's no need to use ``codecs.open`` or similar wrappers. Plain ``open(..., 'rb')`` will do.

(Version 0.14.0 dropped support for python 2.6, but 0.14.1 added it back. See [c0b7655248c4249](#) for the mistaken, breaking change.)

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Natural Language :: English

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language

:: Python :: 2.7

Classifier: Programming Language :: Python :: 3.3

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: Implementation :: PyPy

Classifier: Programming Language :: Python :: Implementation :: CPython

Found in path(s):

* /opt/cola/permits/113619482_1695287522.204296/0/unicodcsv-0-14-1-3-tar-gz/unicodcsv-0.14.1/unicodcsv.egg-info/PKG-INFO

* /opt/cola/permits/113619482_1695287522.204296/0/unicodcsv-0-14-1-3-tar-gz/unicodcsv-0.14.1/PKG-INFO

1.9 buffer-xor 1.0.3

1.9.1 Available under license :

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1.10 backbone 1.2.3

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1.11 syslinux 6.03

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```


The hypothetical commands

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*

* This file is part of the lwIP TCP/IP stack.

*

* Author: Adam Dunkels <adam@sics.se>

*

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```

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<signature of Ty Coon>, 1 April 1989
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src/arch/i386/include/bits/string.h None

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```
printf("%s",png_get_copyright(NULL));
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glennrp at users.sourceforge.net

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1.12 browserify-rsa 4.0.1

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1.13 python-backports-ssl-match-hostname 3.5.0.1

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1.14 fastclick 1.0.6

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1.15 backbone 1.3.3

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1.16 backbone-computedfields 0.0.12

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```
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 * Sinon.JS 1.5.0, 2012/10/19
 *
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 * @author Contributors: https://github.com/cjhansen/Sinon.JS/blob/master/AUTHORS
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 * Inspects an object.
 *
 * @see taken from node.js `util` module (copyright Joyent, MIT license)
 * @api private
 */
/**
 * Asserts deep equality
 *
 * @see taken from node.js `assert` module (copyright Joyent, MIT license)
 * @api private
 */
```

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`/opt/cola/permits/147231139_1695304164.8714235/0/master-179-zip/backbone-computedfields-master/test/lib/expect.js`

1.17 backgrid-filter 0.3.7

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1.18 inflight 1.0.6

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1.20 wrappy 1.0.2

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1.21 cookies 2.2.1

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Metadata-Version: 1.1

Name: cookies

Version: 2.2.1

Summary: Friendlier RFC 6265-compliant cookie parser/renderer

Home-page: <https://github.com/sashahart/cookies>

Author: Sasha Hart

Author-email: s@sashahart.net

License: UNKNOWN

Description: What is this and what is it for?

cookies.py is a Python module for working with HTTP cookies: parsing and rendering 'Cookie:' request headers and 'Set-Cookie:' response headers, and exposing a convenient API for creating and modifying cookies. It can be used as a replacement of Python's Cookie.py (aka http.cookies).

Features

- * Rendering according to the excellent new RFC 6265 (rather than using a unique ad hoc format inconsistently relating to unrealistic, very old RFCs which everyone ignored). Uses URL encoding to represent non-ASCII by default, like many other languages' libraries
- * Liberal parsing, incorporating many complaints about Cookie.py barfing on common cookie formats which can be reliably parsed (e.g. search 'cookie' on the Python issue tracker)
- * Well-documented code, with chapter and verse from RFCs (rather than arbitrary, undocumented decisions and huge tables of magic values, as you see in Cookie.py).
- * Test coverage at 100%, with a much more comprehensive test suite than Cookie.py
- * Single-source compatible with the following Python versions: 2.6, 2.7, 3.2, 3.3 and PyPy (2.7).
- * Cleaner, less surprising API:

```
# old Cookie.py - this code is all directly from its docstring
>>> from Cookie import SmartCookie
>>> C = SmartCookie()
>>> # n.b. it's "smart" because it automatically pickles Python objects,
>>> # which is actually
quite stupid for security reasons!
>>> C["rocky"] = "road"
>>> C["rocky"]["path"] = "/cookie"
>>> # So C["rocky"] is a string, except when it's a dict...
>>> # and why do I have to write [""] to access a fixed set of attrs?
>>> # Look at the atrocious way I render out a request header:
>>> C.output(attrs=[], header="Cookie:")
'Cookie: rocky=road'
```

```
# new cookies.py
>>> from cookies import Cookies, Cookie
>>> cookies = Cookies(rocky='road')
>>> # Can also write explicitly: cookies['rocky'] = Cookie['road']
>>> cookies['rocky'].path = "/cookie"
>>> cookies.render_request()
'rocky=road'
```


- * Friendly to customization, extension, and reuse of its parts.

Unlike Cookie.py, it doesn't lock all implementation inside its own classes (forcing you to write ugly wrappers as Django, Trac, Werkzeug/Flask, web.py

and Tornado had to do). You can suppress minor parse exceptions with parameters rather than subclass wrappers. You can plug in your own parsers, renderers and validators for new or existing cookie attributes. You can render the data out in a dict. You can easily use the underlying imperative API or even lift the parser's regexps for your own parser or project. They are very well documented and relate directly to RFCs, so you know exactly what you are getting and why. It's MIT-licensed so do

what you want (but I'd love to know what use you are getting from it!)

- * One file, so you can just drop cookies.py into your project if you like
- * MIT license, so you can use it in whatever you want with no strings

Things this is not meant to do

While this is intended to be a good module for handling cookies, it does not even try to do any of the following:

- * Maintain backward compatibility with Cookie.py, which would mean inheriting its confusions and bugs
- * Implement RFCs 2109 or 2965, which have always been ignored by almost everyone and are now obsolete as well
- * Handle every conceivable output from terrible legacy apps, which is not possible to do without lots of silent data loss and corruption (the parser does try to be liberal as possible otherwise, though)
- * Provide a means to store pickled Python objects in cookie values (that's a big security hole)

This doesn't compete with the cookielib (<http://cookiejar>) module in the Python standard library, which is specifically for implementing cookie storage and similar behavior in an HTTP client such as a browser. Things cookielib does that this doesn't:

- * Write to or read from browsers' cookie stores
- or other proprietary
- formats for storing cookie data in files
 - * Handle the browser/client logic like deciding which cookies to send or discard, etc.

If you are looking for a cookie library but neither this one nor cookielib will help, you might also consider the implementations in WebOb or Bottle.

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta

Classifier: Environment :: Other Environment

Classifier: Intended Audience :: Developers

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Classifier: Programming Language :: Python :: 2.7
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Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Software Development :: Libraries :: Python Modules

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*

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What is this and what is it for?

cookies.py is a Python module for working with HTTP cookies: parsing and rendering 'Cookie:' request headers and 'Set-Cookie:' response headers, and exposing a convenient API for creating and modifying cookies. It can be used as a replacement of Python's Cookie.py (aka http.cookies).

Features

- * Rendering according to the excellent new RFC 6265 (rather than using a unique ad hoc format inconsistently relating to unrealistic, very old RFCs which everyone ignored). Uses URL encoding to represent non-ASCII by default, like many other languages' libraries
- * Liberal parsing, incorporating many complaints about Cookie.py barfing on common cookie formats which can be reliably parsed (e.g. search 'cookie' on the Python issue tracker)
- * Well-documented code, with chapter and verse from RFCs (rather than arbitrary, undocumented decisions and huge tables of magic values, as you see in Cookie.py).
- * Test coverage at 100%, with a much more comprehensive test suite than Cookie.py
- * Single-source compatible with the following Python versions: 2.6, 2.7, 3.2, 3.3 and PyPy (2.7).
- * Cleaner, less surprising API::

```
# old Cookie.py - this code is all directly from its docstring
>>> from Cookie import SmartCookie
>>> C = SmartCookie()
>>> # n.b. it's "smart" because it automatically pickles Python objects,
```

```

>>> # which is actually quite stupid for security reasons!
>>> C["rocky"] = "road"
>>> C["rocky"]["path"] = "/cookie"
>>> # So C["rocky"] is a string, except when it's a dict...
>>> # and why do I have to write ["" ] to access a fixed set of attrs?
>>> # Look at the atrocious way I render out a request header:
>>> C.output(attrs=[], header="Cookie:")
'Cookie: rocky=road'

```

```

# new cookies.py
>>> from cookies import Cookies, Cookie
>>> cookies = Cookies(rocky='road')
>>> # Can also write explicitly: cookies['rocky'] = Cookie['road']
>>> cookies['rocky'].path = "/cookie"
>>> cookies.render_request()
'rocky=road'

```

* Friendly to customization, extension, and reuse of its parts.

Unlike Cookie.py, it doesn't lock all implementation inside its own classes (forcing you to write ugly wrappers as Django, Trac, Werkzeug/Flask, web.py and Tornado had to do). You can suppress minor parse exceptions with parameters rather than subclass wrappers. You can plug in your own parsers, renderers and validators for new or existing cookie attributes. You can render the data out in a dict. You can easily use the underlying imperative API or even lift the parser's regexps for your own parser or project. They are very well documented and relate directly to RFCs, so you know exactly what you are getting and why. It's MIT-licensed so do what you want (but I'd love to know what use you are getting from it!)

* One file, so you can just drop

cookies.py into your project if you like

* MIT license, so you can use it in whatever you want with no strings

Things this is not meant to do

While this is intended to be a good module for handling cookies, it does not even try to do any of the following:

- * Maintain backward compatibility with Cookie.py, which would mean inheriting its confusions and bugs
- * Implement RFCs 2109 or 2965, which have always been ignored by almost everyone and are now obsolete as well
- * Handle every conceivable output from terrible legacy apps, which is not possible to do without lots of silent data loss and corruption (the parser does try to be liberal as possible otherwise, though)
- * Provide a means to store pickled Python objects in cookie values (that's a big security hole)

This doesn't compete with the cookielib (<http://cookielib>) module in the Python standard library, which is specifically for implementing cookie storage and

similar behavior in an HTTP client
such as a browser. Things cookielib does
that this doesn't:

- * Write to or read from browsers' cookie stores or other proprietary formats for storing cookie data in files
- * Handle the browser/client logic like deciding which cookies to send or discard, etc.

If you are looking for a cookie library but neither this one nor cookielib will help, you might also consider the implementations in WebOb or Bottle.

Found in path(s):

```
* /opt/cola/permits/148343421_1695307977.777354/0/cookies-2-2-1-tar-gz/cookies-2.2.1/README
```

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```
from setuptools import setup, Command
from cookies import __version__

class Test(Command):
    user_options = []

    def initialize_options(self):
        pass

    def finalize_options(self):
        pass

    def run(self):
        try:
            import pytest
        except ImportError:
            raise AssertionError("Install py.test to run the tests")
        import sys, subprocess
        errno = subprocess.call([sys.executable, '-m', 'py.test'])
        raise SystemExit(errno)

setup(
    name="cookies",
    version=__version__,
    author="Sasha Hart",
    author_email="s@sashahart.net",
    url="https://github.com/sashahart/cookies",
    py_modules=['cookies', 'test_cookies'],
    description="Friendlier RFC 6265-compliant cookie parser/renderer",
    long_description=open('README').read(),
    classifiers=[
        "Development Status :: 4 - Beta",
```

```

    "Environment :: Other Environment",
    "Intended
Audience :: Developers",
    "License :: OSI Approved :: MIT License",
    "Programming Language :: Python :: 2.6",
    "Programming Language :: Python :: 2.7",
    "Programming Language :: Python :: 3",
    "Programming Language :: Python :: 3.2",
    "Programming Language :: Python :: 3.3",
    "Programming Language :: Python :: Implementation :: PyPy",
    "Topic :: Software Development :: Libraries :: Python Modules",
],
cmdclass = {'test': Test},
)

```

Found in path(s):

```
* /opt/cola/permits/148343421_1695307977.777354/0/cookies-2-2-1-tar-gz/cookies-2.2.1/setup.py
```

1.22 django-bulk-update 1.1.10

1.22.1 Available under license :

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Metadata-Version: 1.1

Name: django-bulk-update

Version: 1.1.10

Summary: Bulk update using one query over Django ORM.

Home-page: <https://github.com/aykut/django-bulk-update>

Author: Aykut Ozat

Author-email: aykutozat@gmail.com

License: UNKNOWN

Description: django-bulk-update

```

=====
[![Build Status](https://travis-ci.org/aykut/django-bulk-update.svg?branch=master)](https://travis-ci.org/aykut/django-bulk-update)

```

```

[![Coverage Status](https://coveralls.io/repos/aykut/django-bulk-update/badge.svg?branch=master)](https://coveralls.io/r/aykut/django-bulk-update?branch=master)

```

Simple bulk update over Django ORM or with helper function.

This project aims to bulk update given objects using **one query** over **Django ORM**.

Installation

```

=====
pip install django-bulk-update

```

Usage

=====

With manager:

```
```python
import random
from bulk_update.manager import BulkUpdateManager
from tests.models import Person

class Person(models.Model):
 ...
 objects = BulkUpdateManager()

random_names = ['Walter', 'The Dude', 'Donny', 'Jesus']
people = Person.objects.all()
for person in people:
 person.name = random.choice(random_names)

Person.objects.bulk_update(people, update_fields=['name']) # updates only name column
Person.objects.bulk_update(people, exclude_fields=['username']) # updates all columns except username
Person.objects.bulk_update(people) # updates all columns
Person.objects.bulk_update(people, batch_size=50000) # updates all columns by 50000 sized chunks
```
```

With helper:

```
```python

import random
from bulk_update.helper import bulk_update
from tests.models import Person

random_names = ['Walter', 'The Dude', 'Donny', 'Jesus']
people = Person.objects.all()
for person in people:
 person.name = random.choice(random_names)

bulk_update(people, update_fields=['name']) # updates only name column
bulk_update(people, exclude_fields=['username']) # updates all columns except username
bulk_update(people, using='someotherdb') # updates all columns using the given db
bulk_update(people) # updates all columns using the default db
bulk_update(people, batch_size=50000) # updates all columns by 50000 sized chunks using the default db
```
```

Note: You can consider to use `.only('name')` when you only want to update `name`, so that Django will only retrieve name data from db.

And consider to use `.defer('username')` when you don't want to update `username`, so Django won't retrieve username from db. These optimization can improve the performance even more.

Performance Tests:

=====

Here we test the performance of the `bulk_update` function vs. simply calling `.save()` on every object update (`dummy_update`). The interesting metric is the speedup using the `bulk_update` function more than the actual raw times.

```
``python
# Note: SQLite is unable to run the `timeit` tests
# due to the max number of sql variables
In [1]: import os
In [2]: import timeit
In [3]: import django

In [4]: os.environ['DJANGO_SETTINGS_MODULE'] = 'tests.test_settings'
In [5]: django.setup()

In [6]: from tests.fixtures import create_fixtures

In [7]: django.db.connection.creation.create_test_db()
In [8]: create_fixtures(1000)

In [9]: setup="""
import random
from bulk_update import helper
from tests.models import Person
random_names = ['Walter', 'The Dude', 'Donny', 'Jesus']
ids = list(Person.objects.values_list('id', flat=True)[:1000])
people = Person.objects.filter(id__in=ids)
for p in people:
    name = random.choice(random_names)
    p.name = name
    p.email = '%s@example.com' % name
bu_update = lambda: helper.bulk_update(people, update_fields=['name', 'email'])
"""

In [10]: bu_perf = min(timeit.Timer('bu_update()', setup=setup).repeat(7, 100))

In [11]: setup="""
import random
from tests.models import Person
from django.db.models import F
```

```

random_names = ['Walter', 'The Dude', 'Donny', 'Jesus']
ids = list(Person.objects.values_list('id', flat=True)[:1000])
people = Person.objects.filter(id__in=ids)
def dummy_update():
    for p in people:
        name = random.choice(random_names)
        p.name = name
        p.email = '%s@example.com' % name
        p.save(update_fields=['name', 'email'])
'''

```

```

In [12]: dummy_perf = min(timeit.Timer('dummy_update()', setup=setup).repeat(7, 100))
In [13]: print 'Bulk update performance: %.2f. Dummy update performance: %.2f. Speedup: %.2f.' % (bu_perf,
dummy_perf, dummy_perf / bu_perf)
Bulk update performance: 7.05. Dummy update performance: 373.12. Speedup: 52.90.
'''

```

Requirements

=====

- Django 1.2+

Contributors

=====

- [aykut](https://github.com/aykut)
- [daleobrien](https://github.com/daleobrien)
- [sruon](https://github.com/sruon)
- [HowerHell](https://github.com/HoverHell)
- [c-nichols](https://github.com/c-nichols)
- [towr](https://github.com/towr)
- [joshblum](https://github.com/joshblum)
- [luzfcb](https://github.com/luzfcb)
- [torchingloom](https://github.com/torchingloom)
- [cihann](https://github.com/cihann)
- [wetneb](https://github.com/wetneb)
- [tatterdemalion](https://github.com/tatterdemalion)
- [gabriel-laet](https://github.com/gabriel-laet)

TODO

=====

- Geometry Fields support

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=====

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Platform: UNKNOWN
Classifier: Environment :: Web Environment
Classifier: Framework :: Django

Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language ::
Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Topic :: Internet :: WWW/HTTP
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content

Found in path(s):

* /opt/cola/permits/148344584_1695307979.0263047/0/django-bulk-update-1-1-10-tar-gz/django-bulk-update-1.1.10/PKG-INFO

* /opt/cola/permits/148344584_1695307979.0263047/0/django-bulk-update-1-1-10-tar-gz/django-bulk-update-1.1.10/django_bulk_update.egg-info/PKG-INFO

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Found in path(s):

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* /opt/cola/permits/148344584_1695307979.0263047/0/django-bulk-update-1-1-10-tar-gz/django-bulk-update-1.1.10/setup.py

1.23 brorand 1.1.0

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* /opt/cola/permits/150803033_1695308396.3979056/0/brorand-1-1-0-zip/brorand-1.1.0/README.md

1.24 browserify-sign 4.0.4

1.24.1 Available under license :

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1.25 jsecc 0.5.0

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1.26 json5 0.5.1

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1.27 xmltodict 0.11.0

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1.28 appdirs 1.4.3

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1.29 strict-rfc3339 0.7

1.29.1 Available under license :

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Version 3, 29 June 2007

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1.30 regenerator-runtime 0.10.5

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1.38 anymatch 1.3.2

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1.39 arr-diff 2.0.0

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1.41 array-unique 0.2.1

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1.42 async-each 1.0.1

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```
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```
# async-each
```

No-bullshit, ultra-simple, 35-lines-of-code async parallel forEach function for JavaScript.

We don't need junky 30K async libs. Really.

For browsers and node.js.

```
## Installation
```

```
* Just include async-each before your scripts.
```

```
* `npm install async-each` if you're using node.js.
```

```
* `bower install async-each` if you're using [Bower](http://bower.io).
```

```
## Usage
```

```
* `each(array, iterator, callback);` — `Array`, `Function`, `(optional) Function`
```

```
* `iterator(item, next)` receives current item and a callback that will mark the item as done. `next` callback receives optional `error, transformedItem` arguments.
```

```
* `callback(error, transformedArray)` optionally receives first error and transformed result `Array`.
```

Node.js:

```
```javascript
var each = require('async-each');
each(['a.js', 'b.js', 'c.js'], fs.readFile, function(error, contents) {
 if (error) console.error(error);
 console.log('Contents for a, b and c:',
 contents);
});
```
```

Browser:

```
````javascript
window.asyncEach(list, fn, callback);
````
```

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* /opt/cola/permits/162679260_1695313299.4595304/0/async-each-zip/async-each/README.md

1.43 babel-polyfill 6.26.0

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 *
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 * additional grant of patent rights can be found in the PATENTS file in
 * the same directory.
 */
```

Found in path(s):

* /opt/cola/permits/162680167_1695313273.487567/0/babel-polyfill-4-zip/babel-polyfill/node_modules/regenerator-runtime/runtime.js
* /opt/cola/permits/162680167_1695313273.487567/0/babel-polyfill-4-zip/babel-polyfill/dist/polyfill.js

1.44 babel-runtime 6.26.0

1.45 balanced-match 1.0.0

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1.46 strip-ansi 3.0.1

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1.47 brace 1.8.5

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1.48 chalk 1.1.3

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1.49 chokidar 1.7.0

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* /opt/cola/permits/162688776_1695313339.2275658/0/chokidar-4-zip/chokidar/README.md

1.50 source-map-support 0.4.18

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1.51 set-immediate-shim 1.0.1

1.52 safe-buffer 5.1.1

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1.53 repeat-string 1.6.1

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1.54 repeat-element 1.1.2

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1.55 regex-cache 0.4.4

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1.56 core-util-is 1.0.2

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1.57 readdirp 2.1.0

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1.58 randomatic 1.1.7

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1.59 punycode 1.4.1

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1.60 preserve 0.2.0

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1.61 debug 2.6.9

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1.62 escape-string-regexp 1.0.5

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1.63 path-is-absolute 1.0.1

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1.64 expand-brackets 0.1.5

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1.65 expand-range 1.8.2

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1.66 extglob 0.3.2

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1.67 parse-glob 3.0.4

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1.68 normalize-path 2.1.1

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1.69 ms 2.0.0

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1.78 graceful-fs 4.1.11

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1.80 glob-base 0.3.0

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1.82 for-in 1.0.2

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1.83 fill-range 2.2.3

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1.86 webcolors 1.7

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1.87 ifupdown 0.8.16

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1.89 babel-code-frame 6.26.0

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1.99 slash 1.0.0

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1.137 binary-extensions 1.11.0

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1.144 private 0.1.8

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* /opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/visit.js
* /opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/meta.js
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* /opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/emit.js
* /opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/leap.js
*
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```
/opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/util.js
* /opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/hoist.js
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1.153 user-home 1.1.1

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1.154 v8flags 2.1.1

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1.155 cipher-base 1.0.4

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1.156 hmac-drbg 1.0.1

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Found in path(s):

* /opt/cola/permits/173222267_1695320471.5921743/0/1473-hmac-drbg-1-0-1-tgz/package/README.md

1.157 miller-rabin 4.0.1

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```
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```

```
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```

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Found in path(s):

```
* /opt/cola/permits/173223781_1695320349.2920482/0/1569-miller-rabin-4-0-1-tgz/package/README.md
```

1.158 minimalistic-crypto-utils 1.0.1

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```
# minimalistic-crypto-utils
```

```
[![Build Status](https://secure.travis-ci.org/indutny/minimalistic-crypto-utils.svg)](http://travis-ci.org/indutny/minimalistic-crypto-utils)
```

```
[![NPM version](https://badge.fury.io/js/minimalistic-crypto-utils.svg)](http://badge.fury.io/js/minimalistic-crypto-utils)
```

Very minimal utils that are required in order to write reasonable JS-only crypto module.

Usage

```
```js
const utils = require('minimalistic-crypto-utils');

utils.toArray('abcd', 'hex');
utils.encode([1, 2, 3, 4], 'hex');
utils.toHex([1, 2, 3, 4]);
```
```

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[0]: <http://tools.ietf.org/html/rfc6979>
[1]: <https://github.com/indutny/bn.js>
[2]: <https://github.com/indutny/hash.js>
[3]: <https://github.com/bitchan/eccrypto>
[4]: <https://github.com/wanderer/secp256k1-node>

Found in path(s):

* /opt/cola/permits/173224204_1695320499.041245/0/1355-minimalistic-crypto-utils-1-0-1-

1.159 moment 2.19.1

1.159.1 Available under license :

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1.160 websocket-client 0.47.0

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1.161 crypto-browserify 3.12.0

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1.162 brace-expansion 1.1.11

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1.163 process-nextick-args 2.0.0

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1.164 regenerator-runtime 0.11.1

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*/

Found in path(s):

* /opt/cola/permits/175074483_1695324263.486203/0/1766-regenerator-runtime-0-11-1-tgz/package/path.js

* /opt/cola/permits/175074483_1695324263.486203/0/1766-regenerator-runtime-0-11-1-tgz/package/runtime.js

* /opt/cola/permits/175074483_1695324263.486203/0/1766-regenerator-runtime-0-11-1-tgz/package/runtime-module.js

1.165 source-map 0.5.7

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1.166 coverage 4.3.4

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1.167 ipython-genutils 0.2.0

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1.168 traitlets 4.3.2

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1.169 requests-ntlm 1.1.0

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1.170 wsaccel 0.6.2

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```
Metadata-Version: 1.1  
Name: wsaccel  
Version: 0.6.2  
Summary: Accelerator for ws4py and AutobahnPython  
Home-page: https://github.com/methane/wsaccel  
Author: INADA Naoki  
Author-email: songofacandy@gmail.com  
License: Apache  
Description: WSAccell
```

=====

WSAccell is WebSocket accelerator for `AutobahnPython` <<http://autobahn.ws/python>>`_.

`ws4py <<https://github.com/Lawouach/WebSocket-for-Python>>`_ and
`Tornado <<http://www.tornadoweb.org/>>`_.

WSAccel replaces per-byte process in them with Cython version.

AutobahnPython beginning with version 0.6 automatically uses WSAccel if available.

Otherwise you can run-time patch supported WebSocket libraries using:

```
.. code-block:: python
```

```
import wsaccel
wsaccel.patch_autobahn() # for autobahn.
wsaccel.patch_ws4py()   # for ws4py.
```

```
wsaccel.patch_tornado() # for Tornado
```

Platform: any

Classifier: Intended Audience :: Developers

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.2

Classifier: Programming Language :: Python :: 3.3

Classifier: Programming Language :: Python :: Implementation :: CPython

Found in path(s):

* /opt/cola/permits/178634281_1695329474.5889049/0/wsaccel-0-6-2-tar-gz/wsaccel-0.6.2/PKG-INFO

1.171 diff-match-patch 20121119

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1.172 backgrid 0.3.8

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1.173 lunr 0.7.2

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* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-  
tgz/package/src/uncompressed/plugins/CSSPlugin.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/TimelineLite.min.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/TimelineMax.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/CSSPlugin.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/TimelineLite.js  
*  
/opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/TweenLite.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/TimelineMax.min.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/TweenLite.min.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/TimelineLite.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-  
tgz/package/src/minified/plugins/CSSPlugin.min.js  
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* Includes all of the following: TweenLite, TweenMax, TimelineLite, TimelineMax, EasePack, CSSPlugin, RoundPropsPlugin, BezierPlugin, AttrPlugin, DirectionalRotationPlugin

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* Requires TweenLite and CSSPlugin version 1.17.0 or later (TweenMax contains both TweenLite and CSSPlugin).

ThrowPropsPlugin is required for momentum-based continuation of movement after the mouse/touch is released (ThrowPropsPlugin is a membership benefit of Club GreenSock - <http://greensock.com/club/>).

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* UPDATES AND DOCS AT: http://greensock.com  
*  
* This file is to be used as a simple template for writing your own plugin. See the  
* TweenPlugin docs for more details.  
*  
* You can start by doing a search for "yourCustomProperty" and replace it with whatever the name  
* of your property is. This way of defining a plugin was introduced in version 1.9.0 - previous versions  
* of TweenLite won't work with this.  
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*  
* @author: Jack Doyle, jack@greensock.com  
**/
```

Found in path(s):

```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/TEMPLATE_Plugin.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-  
tgz/package/src/uncompressed/plugins/TEMPLATE_Plugin.js  
No license file was found, but licenses were detected in source scan.
```

```
/*!  
* VERSION: 0.1.12  
* DATE: 2017-01-17  
* UPDATES AND DOCS AT: http://greensock.com/jquery-gsap-plugin/  
*  
* Requires TweenLite version 1.8.0 or higher and CSSPlugin.  
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*  
* @author: Jack Doyle, jack@greensock.com  
*/
```

Found in path(s):

```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/jquery.gsap.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/jquery.gsap.min.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/jquery.gsap.js  
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*
* @author: Jack Doyle, jack@greensock.com
**/
```

Found in path(s):

```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/EaselPlugin.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/minified/plugins/EaselPlugin.min.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/uncompressed/plugins/EaselPlugin.js
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```

Found in path(s):

```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/uncompressed/plugins/AttrPlugin.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/AttrPlugin.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/minified/plugins/AttrPlugin.min.js
```

1.184 netns

2c9454e4fc6e2edc1a1c84e64ed3d6e662fb699

1

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1.185 netlink

dbc72376c86301bb873c332830857e73c9f701e

3

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1.186 gojsonreference

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1.187 gojonschema

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1.188 safe-buffer 5.1.2

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1.189 babel-cli 6.26.0

1.190 babel-plugin-transform-regenerator 6.26.0

1.191 babel-core 6.26.0

1.192 async-timeout 3.0.0

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1.193 decorator 4.3.0

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1.194 minimalist 1.2.0

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1.195 browserify-aes 1.2.0

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1.196 browserify-cipher 1.0.1

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1.197 create-ecdh 4.0.3

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1.198 create-hash 1.2.0

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1.199 create-hmac 1.1.7

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1.200 diffie-hellman 5.0.3

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1.201 hash-base 3.0.4

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1.202 minimalistic-assert 1.0.1

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1.203 pbkdf2 3.0.16

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1.204 public-encrypt 4.0.2

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1.205 randomfill 1.0.4

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1.206 ripemd160 2.0.2

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1.207 ntlm-auth 1.2.0

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1.208 moment-duration-format 2.2.2

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1.211 jdcal 1.4

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1.216 txaio 18.8.1

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1.218 odfpy 1.3.6

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1.220 supports-color 5.5.0

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1.226 babel-helper-regex 6.24.1

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1.227 responses 0.10.5

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1.230 urllib3 1.24.2

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Contributions to the urllib3 project

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Contributors

In chronological order:

* victor.vde <<http://code.google.com/u/victor.vde/>>

* HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>

* NTLM-authenticated HTTPSConnectionPool

* Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>

* Client-verified SSL certificates for HTTPSConnectionPool

* Response gzip and deflate encoding support

- * Better unicode support for filepost using StringIO buffers

- * btoconnor <brian@btoconnor.net>
 - * Non-multipart encoding for POST requests

- * p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>
 - * Code review, PEP8 compliance, benchmark fix

- * kennethreitz <me@kennethreitz.com>
 - * Bugfixes, suggestions, Requests integration

- * georgemarshall <<https://github.com/georgemarshall>>
 - * Bugfixes, Improvements and Test coverage

- * Thomas Kluyver <thomas@kluyver.me.uk>
 - * Python 3 support

- * brandon-rhodes <<http://rhodesmill.org/brandon>>
 - * Design review, bugfixes, test coverage.

- * studer <theo.studer@gmail.com>
 - * IPv6 url support and test coverage

- * Shivaram Lingamneni <slingamn@cs.stanford.edu>
 - * Support for explicitly closing pooled connections

- * hartator <hartator@gmail.com>
 - * Corrected multipart behavior for params

- * Thomas Weischuh <thomas@t-8ch.de>
 - * Support for TLS SNI
 - * API unification of ssl_version/cert_reqs
 - * SSL fingerprint and alternative hostname verification
 - * Bugfixes in testsuite

- * Sune Kirkeby <mig@ibofobi.dk>
 - * Optional SNI-support for Python 2 via PyOpenSSL.

- * Marc Schlaich <marc.schlaich@gmail.com>
 - * Various bugfixes and test improvements.

- * Bryce Boe <bbzbryce@gmail.com>
 - * Correct six.moves conflict
 - * Fixed pickle support of some exceptions

- * Boris Figovsky <boris.figovsky@ravello.com>
 - * Allowed to skip SSL hostname verification

- * Cory Benfield
<<https://lukasa.co.uk/about/>>
- * Stream method for Response objects.
- * Return native strings in header values.
- * Generate 'Host' header when using proxies.

- * Jason Robinson <jaywink@basshero.org>
- * Add missing WrappedSocket.fileno method in PyOpenSSL

- * Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- * Fixed a race condition

- * Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
- * Added HTTPS (CONNECT) proxy support

- * Stephen Holsapple <sholsapp@gmail.com>
- * Added abstraction for granular control of request fields

- * Martin von Gagern <Martin.vGagern@gmx.net>
- * Support for non-ASCII header parameters

- * Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- * Support for separate connect and request timeouts

- * Peter Waller <p@pwaller.net>
- * HTTPResponse.tell() for determining amount received over the wire

- * Nipunn Koorapati <nipunn1313@gmail.com>
- * Ignore default ports when comparing hosts for equality

- * Danilo @dbrgn <<https://dbrgn.ch/>>
- * Disabled TLS compression by default on Python 3.2+
- * Disabled TLS compression in pyopenssl contrib module
- * Configurable cipher suites in pyopenssl contrib module

- * Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- * Account retries on proxy errors

- * Nicolas Delaby <nicolas.delaby@ezeep.com>
- * Use the platform-specific CA certificate locations

- * Josh Schneier <<https://github.com/jschneier>>
- * HTTPHeaderDict and associated tests and docs
- * Bugfixes, docs, test coverage

- * Tahia Khan <<http://tahia.tk/>>
- * Added Timeout examples in docs

- * Arthur Grunseid <<https://grunseid.com>>
- * source_address support and tests (with <https://github.com/bui>)

- * Ian Cordasco <graffatcolmingov@gmail.com>
- * PEP8 Compliance and Linting
- * Add ability to pass socket options to an HTTP Connection

- * Erik Tollerud <erik.tollerud@gmail.com>
- * Support for standard library io module.

- * Krishna Prasad <kprasad.iitd@gmail.com>
- * Google App Engine documentation

- * Aaron Meurer
<asmeurer@gmail.com>
- * Added Url.url, which unparses a Url

- * Evgeny Kapun <abacabadabacaba@gmail.com>
- * Bugfixes

- * Benjamin Meyer <bm_witness@yahoo.com>
- * Security Warning Documentation update for proper capture

- * Shivan Sornarajah <github@sornars.com>
- * Support for using ConnectionPool and PoolManager as context managers.

- * Alex Gaynor <alex.gaynor@gmail.com>
- * Updates to the default SSL configuration

- * Tomas Tomecek <ttomecek@redhat.com>
- * Implemented generator for getting chunks from chunked responses.

- * tlynn <<https://github.com/tlynn>>
- * Respect the warning preferences at import.

- * David D. Riddle <ddriddle@illinois.edu>
- * IPv6 bugfixes in testsuite

- * Thea Flowers <magicalgirl@google.com>
- * App Engine environment tests.
- * Documentation re-write.

- * John Krauss <<https://github.com/talos>>
- * Clues to debugging problems with `cryptography` dependency in docs

- * Disassem <<https://github.com/Disassem>>
- * Fix pool-default headers not applying for url-encoded

requests like GET.

* James Atherfold <jlatherfold@hotmail.com>

* Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>

* IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>

* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.

* Bugfix for ``ConnectionPool.urlopen(release_conn=False)``.

* Creation of ``HTTPConnectionPool.ResponseCls``.

* Predrag Gruevski <https://github.com/obi1kenobi>

* Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>

* Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>

* Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>

* Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>

* Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>

* Logging efficiency

improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>

* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jesse Shapiro <jesse@jesseshapiro.net>

* Various character-encoding fixes/tweaks

* Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>

* Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>

* Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>

* History list to Retry object.

* HTTPResponse contains the last Retry object.

- * Nate Prewitt <nate.prewitt@gmail.com>
- * Ensure timeouts are not booleans and greater than zero.
- * Fixed infinite loop in ``stream`` when amt=None.
- * Added length_remaining to determine remaining data to be read.
- * Added enforce_content_length to raise exception when incorrect content-length received.

- * Seth Michael Larson <sethmichaellarson@protonmail.com>
- * Created selectors backport that supports PEP 475.

- * Alexandre Dias <alex.dias@smarkets.com>
- * Don't retry on timeout if method not in whitelist

- * Moinuddin Quadri <moin18@gmail.com>
- * Lazily load idna package

- * Tom White <s6yg1ez3@mail2tor.com>
- * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

- * Tim Burke <tim.burke@gmail.com>
- * Stop buffering entire deflate-encoded responses.

- * Tuukka Mustonen <tuukka.mustonen@gmail.com>
- * Add counter for status_forcelist retries.

- * Erik Rose <erik@mozilla.com>
- * Bugfix to pyopenssl vendoring

- * Wolfgang Richter <wolfgang.richter@gmail.com>
- * Bugfix related to loading full certificate chains with PyOpenSSL backend.

- * Mike Miller <github@mikeage.net>
- * Logging improvements to include the HTTP(S) port when opening a new connection

- * Ioannis Tziakos <mail@itziakos.gr>
- * Fix ``util.selectors._fileobj_to_fd`` to accept ``long``.
- * Update appveyor tox setup to use the 64bit python.

- * Akamai
(through Jesse Shapiro) <jshapiro@akamai.com>
- * Ongoing maintenance

- * Dominique Leuenberger <dimstar@opensuse.org>
- * Minor fixes in the test suite

- * Will Bond <will@wbond.net>
- * Add Python 2.6 support to ``contrib.securetransport``

- * Aleksei Alekseev <alekseev.yeskela@gmail.com>
- * using auth info for socks proxy

- * Chris Wilcox <git@crwilcox.com>
- * Improve contribution guide
- * Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior

- * Bruce Merry <https://www.brucemerry.org.za>
- * Fix leaking exceptions when system calls are interrupted with zero timeout

- * Hugo van Kemenade <https://github.com/hugovk>
- * Drop support for EOL Python 2.6

- * Tim Bell <https://github.com/timb07>
- * Bugfix for responses with Content-Type: message/* logging warnings

- * Justin Bramley <https://github.com/jbramleycl>
- * Add ability to handle multiple Content-Encodings

- * Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
- * Remove Authorization header regardless of case when redirecting to cross-site

- * [Your name or handle] <[email or website]>
- * [Brief summary of your changes]

1.231 webpack-jquery-ui 2.0.1

1.232 bzip2 1.0.8

1.233 iptables 1.8.3

1.234 open-ldap 2.4.48

1.235 select2 4.0.8

1.235.1 Available under license :

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1.236 sqlite 3.30.1

1.237 json-c 0.99.8

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1.238 gmp 6.1.2

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1.239 ncurses 6.1

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Files: install-sh

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

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```
-- vile:txtmode fc=72
-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
```

1.240 python-requests 2.22.0

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1.241 popt 1.16

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1.242 python-xml 4.4.1

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1.243 pyparsing 2.4.2

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1.244 packaging 19.1

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1.245 urllib3 1.25.6

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Contributions to the urllib3 project

Creator & Maintainer

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Contributors

In chronological order:

* victor.vde <<http://code.google.com/u/victor.vde/>>

- * HTTPS patch (which inspired HTTPSConnectionPool)

- * erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
- * NTLM-authenticated HTTPSConnectionPool
- * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

- * niphlod <niphlod@gmail.com>
- * Client-verified SSL certificates for HTTPSConnectionPool
- * Response gzip and deflate encoding support
- * Better unicode support for filepost using StringIO buffers

- * btoconnor <brian@btoconnor.net>
- * Non-multipart encoding for POST requests

- * p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>
- * Code review, PEP8 compliance, benchmark fix

- * kennethreitz <me@kennethreitz.com>
- * Bugfixes, suggestions, Requests integration

- * georgemarshal <<https://github.com/georgemarshal>>
- * Bugfixes, Improvements and Test coverage

- * Thomas Kluyver <thomas@kluyver.me.uk>
- * Python 3 support

- * brandon-rhodes <<http://rhodesmill.org/brandon>>
- * Design review, bugfixes, test coverage.

- * studer <theo.studer@gmail.com>
- * IPv6 url support and test coverage

- * Shivaram Lingamneni <slingamn@cs.stanford.edu>
- * Support for explicitly closing pooled connections

- * hartator <hartator@gmail.com>
- * Corrected multipart behavior for params

- * Thomas Weischuh <thomas@t-8ch.de>
- * Support for TLS SNI
- * API unification of ssl_version/cert_reqs
- * SSL fingerprint and alternative hostname verification
- * Bugfixes in testsuite

- * Sune Kirkeby <mig@ibofobi.dk>
- * Optional SNI-support for Python 2 via PyOpenSSL.

- * Marc Schlaich <marc.schlaich@gmail.com>
- * Various bugfixes and test improvements.

- * Bryce Boe <bbzbryce@gmail.com>
- * Correct six.moves conflict
- * Fixed pickle support of some exceptions

- * Boris Figovsky <boris.figovsky@ravellosystems.com>
- * Allowed to skip SSL hostname verification

- * Cory Benfield
- <<https://lukasa.co.uk/about/>>
- * Stream method for Response objects.
- * Return native strings in header values.
- * Generate 'Host' header when using proxies.

- * Jason Robinson <jaywink@basshero.org>
- * Add missing WrappedSocket.fileno method in PyOpenSSL

- * Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- * Fixed a race condition

- * Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
- * Added HTTPS (CONNECT) proxy support

- * Stephen Holsapple <sholsapp@gmail.com>
- * Added abstraction for granular control of request fields

- * Martin von Gagern <Martin.vGagern@gmx.net>
- * Support for non-ASCII header parameters

- * Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- * Support for separate connect and request timeouts

- * Peter Waller <p@pwaller.net>
- * HTTPResponse.tell() for determining amount received over the wire

- * Nipunn Koorapati <nipunn1313@gmail.com>
- * Ignore default ports when comparing hosts for equality

- * Danilo @dbrgn <<https://dbrgn.ch/>>
- * Disabled TLS compression by default on Python 3.2+
- * Disabled TLS compression in pyopenssl contrib module
- * Configurable cipher suites in pyopenssl contrib module

- * Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- * Account retries on proxy errors

- * Nicolas Delaby <nicolas.delaby@ezeep.com>
- * Use the platform-specific CA certificate locations

- * Josh Schneier <https://github.com/jschneier>
- * HTTPHeaderDict and associated tests and docs
- * Bugfixes, docs, test coverage

- * Tahia Khan <http://tahia.tk/>
- * Added Timeout examples in docs

- * Arthur Grunseid <https://grunseid.com>
- * source_address support and tests (with https://github.com/bui)

- * Ian Cordasco <graffatcolmingov@gmail.com>
- * PEP8 Compliance and Linting
- * Add ability to pass socket options to an HTTP Connection

- * Erik Tollerud <erik.tollerud@gmail.com>
- * Support for standard library io module.

- * Krishna Prasad <kprasad.iitd@gmail.com>
- * Google App Engine documentation

- * Aaron Meurer
<asmeurer@gmail.com>
- * Added Url.url, which unparses a Url

- * Evgeny Kapun <abacabadabacaba@gmail.com>
- * Bugfixes

- * Benjamin Meyer <bm_witness@yahoo.com>
- * Security Warning Documentation update for proper capture

- * Shivan Sornarajah <github@sornars.com>
- * Support for using ConnectionPool and PoolManager as context managers.

- * Alex Gaynor <alex.gaynor@gmail.com>
- * Updates to the default SSL configuration

- * Tomas Tomecek <ttomecek@redhat.com>
- * Implemented generator for getting chunks from chunked responses.

- * tlynn <https://github.com/tlynn>
- * Respect the warning preferences at import.

- * David D. Riddle <ddriddle@illinois.edu>
- * IPv6 bugfixes in testsuite

- * Thea Flowers <magicalgirl@google.com>
- * App Engine environment tests.
- * Documentation re-write.

- * John Krauss <https://github.com/talos>
- * Clues to debugging problems with `cryptography` dependency in docs

- * Disassem <https://github.com/Disassem>
- * Fix pool-default headers not applying for url-encoded requests like GET.

- * James Atherfold <jlatherfold@hotmail.com>
- * Bugfixes relating to cleanup of connections during errors.

- * Christian Pedersen <https://github.com/chripede>
- * IPv6 HTTPS proxy bugfix

- * Jordan Moldow <https://github.com/jmoldow>
- * Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
- * Bugfix for ``ConnectionPool.urlopen(release_conn=False)``.
- * Creation of ``HTTPConnectionPool.ResponseCls``.

- * Predrag Gruevski <https://github.com/obi1kenobi>
- * Made cert digest comparison use a constant-time algorithm.

- * Adam Talsma <https://github.com/a-tal>
- * Bugfix to ca_cert file paths.

- * Evan Meagher <https://evanmeagher.net>
- * Bugfix related to `memoryview` usage in PyOpenSSL adapter

- * John Vandenberg <jayvdb@gmail.com>
- * Python 2.6 fixes; pyflakes and pep8 compliance

- * Andy Caldwell <andy.m.caldwell@googlemail.com>
- * Bugfix related to reusing connections in indeterminate states.

- * Ville Skytt <ville.skytta@iki.fi>
- * Logging efficiency improvements, spelling fixes, Travis config.

- * Shige Takeda <smtakeda@gmail.com>
- * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

- * Jess Shapiro <jesse@jesseshapiro.net>
- * Various character-encoding fixes/tweaks
- * Disabling IPv6 DNS when IPv6 connections not supported

- * David Foster <<http://dafoster.net/>>
- * Ensure order of request and response headers are preserved.

- * Jeremy Cline <jeremy@jcline.org>
- * Added connection pool keys by scheme

- * Aviv Palivoda <palaviv@gmail.com>
- * History list to Retry object.
- * HTTPResponse contains the last Retry object.

- * Nate Prewitt <nate.prewitt@gmail.com>
- * Ensure timeouts are not booleans and greater than zero.
- * Fixed infinite loop in ``stream`` when amt=None.
- * Added length_remaining to determine remaining data to be read.
- * Added enforce_content_length to raise exception when incorrect content-length received.

- * Seth Michael Larson <sethmichaellarson@protonmail.com>
- * Created selectors backport that supports PEP 475.

- * Alexandre Dias <alex.dias@smarkets.com>
- * Don't retry on timeout if method not in whitelist

- * Moinuddin Quadri <moin18@gmail.com>
- * Lazily load idna package

- * Tom White <s6yg1ez3@mail2tor.com>
- * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

- * Tim Burke <tim.burke@gmail.com>
- * Stop buffering entire deflate-encoded responses.

- * Tuukka Mustonen <tuukka.mustonen@gmail.com>
- * Add counter for status_forcelist retries.

- * Erik Rose <erik@mozilla.com>
- * Bugfix to pyopenssl vendoring

- * Wolfgang Richter <wolfgang.richter@gmail.com>
- * Bugfix related to loading full certificate chains with PyOpenSSL backend.

- * Mike Miller <github@mikeage.net>
- * Logging improvements to include the HTTP(S) port when opening a new connection

- * Ioannis Tziakos <mail@itziakos.gr>
- * Fix ``util.selectors._fileobj_to_fd`` to accept ``long``.
- * Update appveyor tox setup to use the 64bit python.

- * Akamai

- (through Jess Shapiro) <jshapiro@akamai.com>
- * Ongoing maintenance; 2017-2018

- * Dominique Leuenberger <dimstar@opensuse.org>
- * Minor fixes in the test suite

- * Will Bond <will@wbond.net>
- * Add Python 2.6 support to ``contrib.securetransport``

- * Aleksei Alekseev <alekseev.yeskela@gmail.com>
- * using auth info for socks proxy

- * Chris Wilcox <git@crwilcox.com>
- * Improve contribution guide
- * Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior

- * Bruce Merry <https://www.brucemerry.org.za>
- * Fix leaking exceptions when system calls are interrupted with zero timeout

- * Hugo van Kemenade <https://github.com/hugovk>
- * Drop support for EOL Python 2.6

- * Tim Bell <https://github.com/timb07>
- * Bugfix for responses with Content-Type: message/* logging warnings

- * Justin Bramley <https://github.com/jbramleycl>
- * Add ability to handle multiple Content-Encodings

- * Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
- * Remove Authorization header
regardless of case when redirecting to cross-site

- * James Meickle <https://permadeath.com/>
- * Improve handling of Retry-After header

- * Chris Jerdonek <chris.jerdonek@gmail.com>
- * Remove a spurious TypeError from the exception chain inside
HTTPConnectionPool._make_request(), also for BaseExceptions.

- * [Your name or handle] <[email or website]>
- * [Brief summary of your changes]

1.246 jsonref 0.2

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1.247 cryptography 2.8

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1.248 xz 5.2.4

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1.249 libpcap 1.9.1

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1.250 libxml2 2.9.10

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1.251 pyyaml 3.13

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1.253 python-dockerpty 0.4.1

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1.254 core-js 2.5.5

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1.264 libyami 0.2.2

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1.265 fs.realpath 1.0.0

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1.266 evp_bytestokey 1.0.3

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1.267 backbone.radio 2.0.0

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1.268 randonlytes 2.0.6

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1.269 bn.js 4.11.8

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1.270 hash.js 1.1.5

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1.271 string_decoder 1.1.1

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1.272 asn1.js 4.10.1

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1.273 object.assign 4.1.1

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1.274 des.js 1.0.0

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1.275 Idap-filters 2.2.2

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1.276 object.omit 2.0.1

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1.277 sha.js 2.4.11

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1.278 backbone.marionette 3.4.4

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1.279 bridgeutils 1.6

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1.284 soundex 0.2.1

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1.285 start-stop-daemon 1.18.10

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1.286 text-encoding-shim 1.0.4

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1.287 docker-pycreds 0.4.0

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1.288 fdisk 2.35.1

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1.290 netcat 0.7.1

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The original code is FirewallControl.pas, released April 16, 2007.

The initial developer of the original code is Rainer Budde (<http://www.speed-soft.de>).

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1.293 jquery 3.5.1

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1.294 redis 5.0.7

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1.295 jsonschema 2.5.1

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1.296 pycparser 2.19

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pycparser -- A C parser in Python

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1.297 pyasn1 0.1.9

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1.298 ntp 4.2.8p15

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1.305 tcpdump 4.9.3

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1.306 asgiref 3.2.3

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1.307 billiard 3.6.1.0

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1.308 cached-property 1.5.1

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1.309 channels 2.3.1

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1.310 channels-redis 2.4.2

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1.311 daphne 2.4.1

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1.312 django-redis 4.11.0

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1.313 docker 4.1.0

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1.315 libglib 2.62.4

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1.320 psycopg 2.8.4

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Version 3, 29 June 2007

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1.321 pyasn1 0.4.7

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ASN.1 library for Python

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[![GitHub license](https://img.shields.io/badge/license-BSD-
blue.svg)](https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt)

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features

*

- Generic implementation of ASN.1 types (X.208)
- * Standards compliant BER/CER/DER codecs
- * Dumps/loads ASN.1 structures from Python types
- * 100% Python, works with Python 2.4 up to Python 3.7
- * MT-safe
- * Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not

have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.

[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>)

by

Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
 id INTEGER,
 room [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```
```

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
 componentType = NamedTypes(
 NamedType('id', Integer()),
 OptionalNamedType(
 'room', Integer().subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
)
),
 DefaultedNamedType(
 'house',

```

```

Integer(0).subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
)
)
)
...

```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```

```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>>     print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
```

```



```

>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
...

```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
...

```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id':
123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
...

```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](<http://snmplabs.com/pyasn1/>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/etingof/pyasn1-modules>).

How to get pyasn1

-----

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](<http://snmplabs.com/pyasn1/license.html>). Source code is freely available as a GitHub [repo](<https://github.com/etingof/pyasn1>).

You could `pip install pyasn1` or download it from [PyPI](<https://pypi.org/project/pyasn1>).

If something does not work as expected, [open an issue](<https://github.com/etingof/pyasn1/issues>) at GitHub or post your question [on Stack Overflow](<https://stackoverflow.com/questions/ask>) or try browsing pyasn1 [mailing list archives](<https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/>).

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* /opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/tests/type/___main__.py
* /opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/pyasn1/type/char.py
* /opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/tests/type/test_univ.py
* /opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/tests/codec/ber/___main__.py
* /opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-

```

771aa24/pyasn1/type/useful.py

\*

/opt/cola/permits/1101288617\_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/tests/codec/cer/\_\_main\_\_.py

\* /opt/cola/permits/1101288617\_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/tests/codec/native/\_\_main\_\_.py

\* /opt/cola/permits/1101288617\_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/tests/type/test\_opentype.py

\* /opt/cola/permits/1101288617\_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/pyasn1/type/opentype.py

\* /opt/cola/permits/1101288617\_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/pyasn1/codec/ber/eoo.py

\* /opt/cola/permits/1101288617\_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/pyasn1/type/constraint.py

\* /opt/cola/permits/1101288617\_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/tests/codec/ber/test\_decoder.py

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ASN.1 library for Python

=====

```
.. toctree::
 :maxdepth: 1
```

Abstract Syntax Notation One (ASN.1

[http://en.wikipedia.org/wiki/Abstract\\_Syntax\\_Notation\\_1x](http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x)) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1` <https://pypi.org/project/pyasn1/> library implements ASN.1 support in pure-Python.

What is ASN.1

-----

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on it was split off the e-mail application and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting [discussions https://news.ycombinator.com/item?id=8871453](https://news.ycombinator.com/item?id=8871453) on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers` <https://developers.google.com/protocol-buffers/> or `FlatBuffers` <https://google.github.io/flatbuffers/>, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

- \* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing

arbitrarily complex, nested data structures.

\* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.

\* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

#### ASN.1 applications

-----

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

- \* Signaling standards for the public switched telephone network (SS7 family)
- \* Network management standards (SNMP, CMIP)
- \* Directory standards (X.500 family, LDAP)
- \* Public Key Infrastructure standards (X.509, etc.)
- \* PBX control (CSTA)
- \* IP-based Videoconferencing (H.323 family)
- \* Biometrics (BIP, CBEFF, ACBio)
- \* Intelligent transportation (SAE J2735)
- \* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

#### ASN.1 gotchas

-----

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the ``statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`` on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

#### Documentation

-----

```
.. toctree::
 :maxdepth: 2

 /pyasn1/contents
```

## Use case

-----

```
.. toctree::
 :maxdepth: 2
```

/example-use-case

## Download & Install

-----

```
.. toctree::
 :maxdepth: 2
```

/download

## Changes

-----

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

```
..
toctree::
 :maxdepth: 1
```

/changelog

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-----

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```
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 :maxdepth: 2
```

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## Getting help

-----

Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>`\_` and `PRs` <<https://github.com/etingof/pyasn1/pulls>>`\_` at GitHub. Alternatively, you could ask for help at `Stack Overflow` <<http://stackoverflow.com/questions/tagged/pyasn1>>`\_` or search



``pyasn1-users <https://lists.sourceforge.net/lists/listinfo/pyasn1-users>`` \_  
mailing list archive.

Books on ASN.1

-----

The pyasn1 implementation is largely based on reading up the following awesome books:

\* ``ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>`` \_ by Olivier Dubuisson

\* ``ASN.1 Complete <http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>`` \_ by Prof John Larmouth

Here you can get the official standards which is hard to read:

\* ``ITU standards`

`<http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>`` \_

On the other end of the readability spectrum, here is a quick and sweet write up:

\* ``A Layman's Guide to a Subset of ASN.1, BER, and DER <ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc>`` \_ by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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\* `/opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/docs/source/contents.rst`

## 1.322 python-blessed 1.17.5

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## 1.323 python-certifi 2019.9.11

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

## 1.324 python-setuptools 41.4.0

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## 1.325 text-table 1.6.2

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## 1.327 zope-interface 4.6.0

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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# 1.329 docker 19.03.5

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package licensing

```
import (
 "context"
 "crypto/hmac"
 "crypto/sha256"
 "encoding/base64"
 "encoding/json"
 "fmt"
 "time"

 "github.com/docker/libtrust"
 "github.com/docker/licensing/lib/errors"
 "github.com/docker/licensing/lib/go-clientlib"
 "github.com/docker/licensing/model"
)

func (c *client) getLicenseFile(ctx context.Context, subID string) (*model.IssuedLicense, error) {
 url := c.baseURI
 url.Path += fmt.Sprintf("/api/billing/v4/subscriptions/%s/license-file", subID)

 license := new(model.IssuedLicense)
 if _, _, err := c.doReq(ctx, "GET", &url, clientlib.RecvJSON(license)); err != nil {
 return nil, err
 }

 return license, nil
}
```

```

// Check verifies that the license identified by the given key id is valid. Note that it does not
// interrogate the contents of the license.
func (c *client) check(ctx context.Context, license model.IssuedLicense) (*model.CheckResponse, error) {
 keyID := license.KeyID
 privateKey := license.PrivateKey

 authorization, err := c.getAuthorization(ctx,
 license)
 if err != nil {
 return nil, err
 }

 // TODO: Mason - replace this parseJWS with a non libtrust lib
 signature, err := libtrust.ParseJWS(authorization)
 if err != nil {
 return nil, errors.Wrapf(err, errors.Fields{
 "key_id": keyID,
 }, "license parse JWS failed")
 }

 keys, err := signature.Verify()
 if err != nil {
 return nil, errors.Wrapf(err, errors.Fields{
 "key_id": keyID,
 }, "license signature verification failed")
 }

 keyCnt := len(keys)
 if keyCnt != 1 {
 err = fmt.Errorf("unexpected number of signing keys (%d)", keyCnt)
 return nil, errors.WithStack(err).With(errors.Fields{
 "key_id": keyID,
 })
 }

 key := keys[0]

 if !c.recognizedSigningKey(key) {
 return nil, errors.New("unrecognized signing key")
 }

 payload, err := signature.Payload()
 if err != nil {
 return nil, errors.Wrapf(err, errors.Fields{
 "key_id": keyID,
 }, "malformed signature payload")
 }
}

```

```

checkRes := new(model.CheckResponse)

err = json.Unmarshal(payload, &checkRes)
if
err != nil {
return nil, errors.Wrapf(err, errors.Fields{
"key_id": keyID,
}, "license payload unmarshal failed")
}

msg := checkRes.Expiration.Format(time.RFC3339)
if err := checkToken(msg, checkRes.Token, privateKey); err != nil {
return nil, errors.Wrap(err, errors.Fields{
"key_id": keyID,
})
}

return checkRes, nil
}

// recognizedSigningKey returns true if the given key is signed with a recognized signing key, false otherwise
func (c *client) recognizedSigningKey(key libtrust.PublicKey) bool {
for _, publicKey := range c.publicKeys {
if key.KeyID() == publicKey.KeyID() {
return true
}
}
return false
}

// getAuthorization returns the decoded license authorization
func (c *client) getAuthorization(ctx context.Context, license model.IssuedLicense) ([]byte, error) {
decoded, err := base64.StdEncoding.DecodeString(license.Authorization)
if err != nil {
return nil, errors.Wrapf(err, errors.Fields{
"key_id": license.KeyID,
}, "decoding license authorization
failed")
}
return decoded, nil
}

// All of the functions in this file assume that they are receiving a properly
// formatted private key.

// checkToken performs a MAC algorithm (where token is generated by hashing the
// message with the privateKey via GenerateToken) with the purpose of authenticating

```

```

// the validity of both the message and the private key of the person who generated
// the token.
func checkToken(message, token, privateKey string) error {
 tokenBytes, err := base64.URLEncoding.DecodeString(token)
 if err != nil {
 return errors.Wrap(err, errors.Fields{"token": token})
 }

 generatedToken, err := generateToken(message, privateKey)
 if err != nil {
 return errors.Wrap(err, errors.Fields{"token": token})
 }

 generatedBytes, err := base64.URLEncoding.DecodeString(generatedToken)
 if err != nil {
 return errors.Wrap(err, errors.Fields{"token": token})
 }

 if !hmac.Equal(tokenBytes, generatedBytes) {
 return errors.Forbidden(errors.Fields{"token": token},
 "invalid token")
 }

 return nil
}

// generateToken generates a hash of the message with the privateKey via the
// sha256 algorithm.
func generateToken(message, privateKey string) (string, error) {
 key, err := base64.URLEncoding.DecodeString(privateKey)
 if err != nil {
 return "", errors.Wrap(err, errors.Fields{"msg": message})
 }

 h := hmac.New(sha256.New, key)
 h.Write([]byte(message))
 return base64.URLEncoding.EncodeToString(h.Sum(nil)), nil
}

```

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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package model

import "time"

// A CheckResponse is the internal content of the PublicCheckResponse signed
// json blob.
type CheckResponse struct {
 Expiration time.Time `json:"expiration"`
 Token string `json:"token"`
 MaxEngines int `json:"maxEngines"`
 ScanningEnabled bool `json:"scanningEnabled"`
 Type string `json:"licenseType"`
 Tier string `json:"tier"`
}

// IssuedLicense represents an issued license
type IssuedLicense struct {
 KeyID string `json:"key_id"`
 PrivateKey string `json:"private_key"`
 Authorization string `json:"authorization"`
}

// Valid returns true if the License is syntactically valid, false otherwise
func (l *IssuedLicense) Valid() (bool, string) {
 if l.KeyID == "" {
 return false, "empty key_id"
 }

 if l.PrivateKey == "" {
 return false, "empty private_key"
 }

 if l.Authorization == "" {
 return false, "empty authorization"
 }

 return true, ""
}
```

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package engine

```
import (
 "time"

 "github.com/docker/cli/cli/command/formatter"
 "github.com/docker/cli/internal/licenseutils"
 "github.com/docker/licensing/model"
)

const (
 defaultSubscriptionsTableFormat = "table"
 fmtNumOwnerProductIDExpiresComponentsString = "{{.Num}}\t{{.Owner}}\t{{.ProductID}}\t{{.Expires}}\t{{.ComponentsString}}}"
 defaultSubscriptionsQuietFormat = "{{.Num}}:{{.Summary}}}"

 numHeader = "NUM"
 ownerHeader = "OWNER"
 licenseNameHeader = "NAME"
 idHeader = "ID"
 dockerIDHeader = "DOCKER ID"
 productIDHeader = "PRODUCT ID"
 productRatePlanHeader = "PRODUCT RATE PLAN"
 productRatePlanIDHeader = "PRODUCT RATE PLAN ID"
 startHeader = "START"
 expiresHeader = "EXPIRES"
 stateHeader = "STATE"
 eusaHeader = "EUSA"
 pricingComponentsHeader = "PRICING COMPONENTS"
)

// NewSubscriptionsFormat returns a Format for rendering using a license Context
func NewSubscriptionsFormat(source string, quiet bool) formatter.Format {
 switch source {
 case formatter.TableFormatKey:
 if quiet {
 return defaultSubscriptionsQuietFormat
 }
 return defaultSubscriptionsTableFormat
 case formatter.RawFormatKey:
```



```

if quiet {
 return `license: {{.ID}}`
}
return `license: {{.ID}}\nname: {{.Name}}\nowner: {{.Owner}}\ncomponents: {{.ComponentsString}}\n`
}
return formatter.Format(source)
}

// SubscriptionsWrite writes the context
func SubscriptionsWrite(ctx formatter.Context, subs []licenseutils.LicenseDisplay) error {
 render := func(format func(subContext formatter.SubContext) error) error {
 for _, sub := range subs {
 licenseCtx := &licenseContext{trunc: ctx.Trunc, l: sub}
 if err := format(licenseCtx); err != nil {
 return err
 }
 }
 return nil
 }
 licenseCtx := licenseContext{}
 licenseCtx.Header = map[string]string{
 "Num": numHeader,
 "Owner": ownerHeader,
 "Name": licenseNameHeader,
 "ID": idHeader,
 "DockerID": dockerIDHeader,
 "ProductID": productIDHeader,
 "ProductRatePlan": productRatePlanHeader,
 "ProductRatePlanID": productRatePlanIDHeader,
 "Start": startHeader,
 "Expires": expiresHeader,
 "State": stateHeader,
 "Eusa": eusaHeader,
 "ComponentsString": pricingComponentsHeader,
 }
 return ctx.Write(&licenseCtx, render)
}

type licenseContext struct {
 formatter.HeaderContext
 trunc bool
 l licenseutils.LicenseDisplay
}

func (c *licenseContext) MarshalJSON() ([]byte, error) {
 return formatter.MarshalJSON(c)
}

```

```
func (c *licenseContext) Num() int {
 return c.l.Num
}

func (c *licenseContext) Owner() string {
 return c.l.Owner
}

func (c *licenseContext) ComponentsString() string {
 return c.l.ComponentsString
}

func (c *licenseContext) Summary() string {
 return c.l.String()
}

func (c *licenseContext) Name() string {
 return c.l.Name
}

func (c *licenseContext) ID() string {
 return c.l.ID
}

func (c *licenseContext) DockerID()
string {
 return c.l.DockerID
}

func (c *licenseContext) ProductID() string {
 return c.l.ProductID
}

func (c *licenseContext) ProductRatePlan() string {
 return c.l.ProductRatePlan
}

func (c *licenseContext) ProductRatePlanID() string {
 return c.l.ProductRatePlanID
}

func (c *licenseContext) Start() *time.Time {
 return c.l.Start
}

func (c *licenseContext) Expires() *time.Time {
 return c.l.Expires
}
```

```

}

func (c *licenseContext) State() string {
 return c.l.State
}

func (c *licenseContext) Eusa() *model.EusaState {
 return c.l.Eusa
}

func (c *licenseContext) PricingComponents() []model.SubscriptionPricingComponent {
 // Dereference the pricing component pointers in the pricing components
 // so it can be rendered properly with the template formatter

 var ret []model.SubscriptionPricingComponent
 for _, spc := range c.l.PricingComponents {
 if spc == nil {
 continue
 }
 ret = append(ret, *spc)
 }
 return ret
}

```

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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<https://github.com/golang/protobuf>

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package engine

```
import (
 "bytes"
 "encoding/json"
 "strings"
 "testing"
 "time"

 "github.com/docker/cli/cli/command/formatter"
 "github.com/docker/cli/internal/licenseutils"
 "github.com/docker/licensing/model"
 "gotest.tools/assert"
 is "gotest.tools/assert/cmp"
)

func TestSubscriptionContextWrite(t *testing.T) {
 cases := []struct {
 context formatter.Context
 expected string
 }{
 // Errors
 {
 formatter.Context{Format: "{{InvalidFunction}}"},
```

```

Template parsing error: template: :1: function "InvalidFunction" not defined
},
{
 formatter.Context{Format: "{{nil}}"},
 Template parsing error: template: :1:2: executing "" at <nil>: nil is not a command
},
// Table format
{
 formatter.Context{Format: NewSubscriptionsFormat("table", false)},
 `NUM OWNER PRODUCT ID EXPIRES PRICING COMPONENTS
1 owner1 productid1 2020-01-01 10:00:00 +0000 UTC compstring
2
 owner2 productid2 2020-01-01 10:00:00 +0000 UTC compstring
},
{
 formatter.Context{Format: NewSubscriptionsFormat("table", true)},
 `1:License Name: name1 Quantity: 10 nodes Expiration date: 2020-01-01
2:License Name: name2 Quantity: 20 nodes Expiration date: 2020-01-01
},
{
 formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", false)},
 `OWNER
owner1
owner2
},
{
 formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", true)},
 `OWNER
owner1
owner2
},
// Raw Format
{
 formatter.Context{Format: NewSubscriptionsFormat("raw", false)},
 `license: id1
name: name1
owner: owner1
components: compstring

license: id2
name: name2
owner: owner2

```

components: compstring

```
`
},
{
 formatter.Context{Format: NewSubscriptionsFormat("raw", true)},
 `license: id1
license: id2
`,
},
// Custom Format
{
 formatter.Context{Format: NewSubscriptionsFormat("{{.Owner}}", false)},
 `owner1
owner2
`,
},
}
```

expiration,

\_ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")

```
for _, testcase := range cases {
 subscriptions := []licenseutils.LicenseDisplay{
 {
 Num: 1,
 Owner: "owner1",
 Subscription: model.Subscription{
 ID: "id1",
 Name: "name1",
 ProductID: "productid1",
 Expires: &expiration,
 PricingComponents: model.PricingComponents{
 &model.SubscriptionPricingComponent{
 Name: "nodes",
 Value: 10,
 },
 },
 },
 ComponentsString: "compstring",
 },
 {
 Num: 2,
 Owner: "owner2",
 Subscription: model.Subscription{
 ID: "id2",
 Name: "name2",
 ProductID: "productid2",
 },
 },
 },
}
```

```

Expires: &expiration,
PricingComponents: model.PricingComponents{
 &model.SubscriptionPricingComponent{
 Name: "nodes",
 Value: 20,
 },
},
},
ComponentsString: "compstring",
},
}
out := &bytes.Buffer{}
testcase.context.Output
= out
err := SubscriptionsWrite(testcase.context, subscriptions)
if err != nil {
 assert.Error(t, err, testcase.expected)
} else {
 assert.Check(t, is.Equal(testcase.expected, out.String()))
}
}
}

func TestSubscriptionContextWriteJSON(t *testing.T) {
 expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")
 subscriptions := []licenseutils.LicenseDisplay{
 {
 Num: 1,
 Owner: "owner1",
 Subscription: model.Subscription{
 ID: "id1",
 Name: "name1",
 ProductID: "productid1",
 Expires: &expiration,
 PricingComponents: model.PricingComponents{
 &model.SubscriptionPricingComponent{
 Name: "nodes",
 Value: 10,
 },
 },
 },
 ComponentsString: "compstring",
 },
 {
 Num: 2,
 Owner: "owner2",
 Subscription: model.Subscription{
 ID: "id2",

```

```

Name: "name2",
ProductID: "productid2",
Expires: &expiration,
PricingComponents: model.PricingComponents{
 &model.SubscriptionPricingComponent{
 Name:
"nodes",
 Value: 20,
 },
},
ComponentsString: "compstring",
}
}
expectedJSONs := []map[string]interface{}{
{
 "Owner": "owner1",
 "ComponentsString": "compstring",
 "Expires": "2020-01-01T10:00:00Z",
 "DockerID": "",
 "Eusa": nil,
 "ID": "id1",
 "Start": nil,
 "Name": "name1",
 "Num": float64(1),
 "PricingComponents": []interface{}{
 map[string]interface{}{
 "name": "nodes",
 "value": float64(10),
 },
 },
 "ProductID": "productid1",
 "ProductRatePlan": "",
 "ProductRatePlanID": "",
 "State": "",
 "Summary": "License Name: name1\tQuantity: 10 nodes\tExpiration date: 2020-01-01",
},
{
 "Owner": "owner2",
 "ComponentsString": "compstring",
 "Expires": "2020-01-01T10:00:00Z",
 "DockerID": "",
 "Eusa": nil,
 "ID":
 "id2",
 "Start": nil,
 "Name": "name2",
 "Num": float64(2),
}
}

```

```

"PricingComponents": []interface{}{
 map[string]interface{}{
 "name": "nodes",
 "value": float64(20),
 },
},
"ProductID": "productid2",
"ProductRatePlan": "",
"ProductRatePlanID": "",
"State": "",
"Summary": "License Name: name2\tQuantity: 20 nodes\tExpiration date: 2020-01-01",
},
}

out := &bytes.Buffer{ }
err := SubscriptionsWrite(formatter.Context{Format: "{{json .}}", Output: out}, subscriptions)
if err != nil {
 t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
 var m map[string]interface{ }
 if err := json.Unmarshal([]byte(line), &m); err != nil {
 t.Fatal(err)
 }
 assert.Check(t, is.DeepEqual(expectedJSONs[i], m))
}
}

func TestSubscriptionContextWriteJSONField(t *testing.T) {
 subscriptions := []licenseutils.LicenseDisplay{
 {Num: 1, Owner:
"owner1"},
 {Num: 2, Owner: "owner2"},
 }
 out := &bytes.Buffer{ }
 err := SubscriptionsWrite(formatter.Context{Format: "{{json .Owner}}", Output: out}, subscriptions)
 if err != nil {
 t.Fatal(err)
 }
 for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
 var s string
 if err := json.Unmarshal([]byte(line), &s); err != nil {
 t.Fatal(err)
 }
 assert.Check(t, is.Equal(subscriptions[i].Owner, s))
 }
}
}

```



# 1.330 docker-proxy

55685ba49593e67f5e1c8180539379b16736c25

e

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Protocol Buffers for Go with Gadgets

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<http://github.com/gogo/protobuf>

Go support for Protocol Buffers - Google's data interchange format

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## 1.331 docker-engine 19.03.5

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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The code used in the OpenSSL locking callback and OS random engine is derived from CPython, and is licensed under the terms of the PSF License Agreement.

# 1.348 python3-asn1crypto 0.24.0

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## 1.349 isodate 0.6.0

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```
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/__init__.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/tests/test_datetime.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/tests/test_strf.py
*
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* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/tests/__init__.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/duration.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isoduration.py
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* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isodates.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isodatetime.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isotzinfo.py
*
/opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isoerror.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/tests/test_time.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/tests/test_duration.py
```

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Metadata-Version: 1.1

Name: isodate

Version: 0.6.0

Summary: An ISO 8601 date/time/duration parser and formatter

Home-page: <https://github.com/gweis/isodate/>

Author: Gerhard Weis

Author-email: [gerhard.weis@proclos.com](mailto:gerhard.weis@proclos.com)

License: BSD

Description:

ISO 8601 date/time parser

=====

```
.. image:: https://travis-ci.org/gweis/isodate.svg?branch=master
 :target: https://travis-ci.org/gweis/isodate
 :alt: Travis-CI
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 :target: https://pypi.python.org/pypi/isodate/

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```

This module implements ISO 8601 date, time and duration parsing.

The implementation follows ISO8601:2004 standard, and implements only date/time representations mentioned in the standard. If something is not mentioned there, then it is treated as non existent, and not as an allowed option.

For instance, ISO8601:2004 never mentions 2 digit years. So, it is not intended by this module to support 2 digit years. (while it may still be valid as ISO date, because it is not explicitly forbidden.)

Another example is, when no time zone information is given for a time, then it should be interpreted as local time, and not UTC.

As this module maps ISO 8601 dates/times to standard Python data types, like `*date*`, `*time*`, `*datetime*` and `*timedelta*`, it is not possible to convert all possible ISO 8601 dates/times.

For instance, dates before 0001-01-01 are

not allowed by the Python `*date*` and `*datetime*` classes. Additionally fractional seconds are limited to microseconds. That means if the parser finds for instance nanoseconds it will round it to microseconds.

-----  
Currently there are four parsing methods available.

- \* `parse_time`:  
parses an ISO 8601 time string into a `*time*` object
- \* `parse_date`:  
parses an ISO 8601 date string into a `*date*` object
- \* `parse_datetime`:  
parses an ISO 8601 date-time string into a `*datetime*` object
- \* `parse_duration`:  
parses an ISO 8601 duration string into a `*timedelta*` or `*Duration*` object.
- \* `parse_tzinfo`:  
parses the time zone info part of an ISO 8601 string into a `*tzinfo*` object.

As ISO 8601 allows to define durations in years and months, and `*timedelta*` does not handle years and months, this module provides a `*Duration*` class, which can be used almost like a `*timedelta*` object (with some limitations). However, a `*Duration*` object can be converted into a `*timedelta*` object.

There are also ISO formatting methods for all supported data types. Each `*xxx_isoformat*` method accepts a format parameter. The default format is always the ISO 8601 expanded format. This is the same format used by `*datetime.isoformat*`:

- \* `time_isoformat`:  
Intended to create ISO time strings with default format `*hh:mm:ssZ*`.
- \* `date_isoformat`:  
Intended to create ISO date strings with default format `*yyyy-mm-dd*`.
- \* `datetime_isoformat`:  
Intended to create ISO date-time strings with default format `*yyyy-mm-ddThh:mm:ssZ*`.
- \* `duration_isoformat`:  
Intended to create ISO duration strings with default format `*PnnYnnMnnDTnnHnnMnnS*`.
- \* `tz_isoformat`:  
Intended to create ISO time zone strings with default format `*hh:mm*`.
- \* `strftime`:  
A re-implementation mostly compatible with Python's `*strftime*`, but supports only those format strings, which can also be used for dates prior 1900. This method also understands how to format `*datetime*` and

\*Duration\* instances.

Installation:

-----

This module can easily be installed with Python standard installation methods.

Either use `*python setup.py install*` or in case you have `*setuptools*` or `*distribute*` available, you can also use `*easy_install*`.

Limitations:

-----

\* The parser accepts several date/time representation which should be invalid according to ISO 8601 standard.

1. for date and time together, this parser accepts a mixture of basic and extended format. e.g. the date could be in basic format, while the time is accepted in extended format. It also allows short dates and times in date-time strings.
2. For incomplete dates, the first day is chosen. e.g. 19th century results in a date of 1901-01-01.
3. negative `*Duration*` and `*timedelta*` value are not fully supported yet.

Further information:

-----

The doc strings and unit tests should provide rather detailed information about the methods and their limitations.

The source release provides a `*setup.py*` script, which can be used to run the unit tests included.

Source code is available at `<http://github.com/gweis/isodate>`_``.

CHANGES

=====

0.6.0 (2017-10-13)

-----

- support incomplete month date (Fabien Loffredo)
- rely on duck typing when doing duration maths
- support ':' as separator in fractional time zones (usrenmae)

0.5.4 (2015-08-06)

-----

- Fix parsing of Periods (Fabien Bochu)
- Make Duration objects hashable (Geoffrey Fairchild)
- Add multiplication to duration (Reinoud Elhorst)

0.5.1 (2014-11-07)

-----

- fixed pickling of Duration objects
- raise ISO8601Error when there is no 'T' separator in datetime strings (Adrian Coveney)

0.5.0 (2014-02-23)

-----

- ISO8601Error are subclasses of ValueError now (Michael Hrivnak)
- improve compatibility across various python

variants and versions

- raise exceptions when using fractional years and months in date maths with durations
- renamed method todatetime on Duration objects to totimedelta

0.4.9 (2012-10-30)

-----

- support pickling FixedOffset instances
- make sure parsed fractional seconds are in microseconds
- add leading zeros when formatting microseconds (Jarom Loveridge)

0.4.8 (2012-05-04)

-----

- fixed incompatibility of unittests with python 2.5 and 2.6 (runs fine on 2.7 and 3.2)

0.4.7 (2012-01-26)

-----

- fixed tzinfo formatting (never pass None into tzinfo.utcoffset())

0.4.6 (2012-01-06)

-----



- added Python 3 compatibility via 2to3

0.4.5 (2012-01-06)

-----

- made setuptools dependency optional

0.4.4 (2011-04-16)

-----

- Fixed formatting of microseconds for datetime objects

0.4.3 (2010-10-29)

-----

- Fixed problem with %P formatting and fractions (supplied by David Brooks)

0.4.2 (2010-10-28)

-----

- Implemented unary - for Duration (supplied by David Brooks)

- Output fractional seconds with '%P' format. (partly supplied by David Brooks)

0.4.1 (2010-10-13)

-----

- fixed bug in comparison between timedelta and Duration.

- fixed precision problem with microseconds (reported by Tommi Virtanen)

0.4.0 (2009-02-09)

-----

- added method to parse ISO 8601 time zone strings

- added methods to create ISO 8601 conforming strings

0.3.0 (2009-1-05)

-----

- Initial release

TODOs

=====

This to do list contains some thoughts and ideas about missing features, and parts to think about, whether to implement them or not. This list is probably not complete.

Missing features:

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- \* time formatting does not allow to create fractional representations.
- \* parser for ISO intervals.
- \* currently microseconds are always padded to a length of 6 characters.  
trailing 0s should be optional

Documentation:

-----

- \* parse\_datetime:
  - complete documentation to show what this function allows, but ISO forbids.  
and vice verse.
  - support other separators between date and time than "T"
- \* parse\_date:
  - yeardigits  
should be always greater than 4
  - dates before 0001-01-01 are not supported
- \* parse\_duration:
  - alternative formats are not fully supported due to parse\_date restrictions
  - standard duration format is fully supported but not very restrictive.
- \* Duration:
  - support fractional years and month in calculations
  - implement w3c order relation? ([^ <http://www.w3.org/TR/xmlschema-2/#duration-order>`\\_\)](http://www.w3.org/TR/xmlschema-2/#duration-order))
  - refactor to have duration mathematics only at one place.
  - localize \_\_str\_\_ method (does timedelta do this?)
  - when is a Duration negative?
  - normalize Durations. months [00-12] and years ]-inf,+inf[

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta

Classifier: Intended Audience :: Developers

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Classifier: Operating System :: OS Independent

Classifier:

Programming Language :: Python

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3.3

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

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Classifier: Programming Language :: Python :: Implementation :: PyPy

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\* /opt/cola/permits/1110810315\_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate.egg-info/PKG-INFO

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## 1.351 ajv 6.10.0

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## 1.352 cached-property 1.4.3

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*/
```

Found in path(s):

```
* /opt/cola/permits/1124672787_1611145753.0/0/webpack-fastparse-v1-1-1-0-g9206e09-tar-gz/webpack-fastparse-d1420f0/lib/Parser.js
```

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# 1.377 css-selector-tokenizer 0.7.0

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## 1.380 mpdecimal 2.4.2

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Version 2.1, February 1999

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\*/

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## 1.386 pem 21.1.0

### 1.386.1 Available under license :

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## 1.387 simplegeneric 0.8.1

### 1.387.1 Available under license :

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Metadata-Version: 1.0

Name: simplegeneric

Version: 0.8.1

Summary: Simple generic functions (similar to Python's own len(), pickle.dump(), etc.)

Home-page: <http://cheeseshop.python.org/pypi/simplegeneric>

Author: Phillip J. Eby

Author-email: [peak@eby-sarna.com](mailto:peak@eby-sarna.com)

License: ZPL 2.1

Description: \* New in 0.8: Source and tests are compatible with Python 3 (w/o ``setup.py``)

\* 0.8.1: setup.py is now compatible with Python 3 as well

\* New in 0.7: `Multiple Types or Objects`\_

\* New in 0.6: `Inspection and Extension`\_, and thread-safe method registration

The ``simplegeneric`` module lets you define simple single-dispatch generic functions, akin to Python's built-in generic functions like ``len()``, ``iter()`` and so on. However, instead of using specially-named methods, these generic functions use simple lookup tables, akin to those used by e.g. ``pickle.dump()`` and other generic functions found in the Python standard library.

As you can see from the above examples, generic functions are actually quite common in Python already, but there is no standard way to create simple ones. This library attempts to fill that gap, as generic functions are an `excellent alternative to the Visitor pattern`\_, as well as being a great substitute for most common uses of adaptation.

This library tries to be the simplest possible implementation of generic functions, and it therefore eschews the use of multiple or predicate dispatch, as well as avoiding speedup techniques such as C dispatching or code generation. But it has absolutely no dependencies, other than Python 2.4, and the implementation is just a single Python module of less than 100 lines.

## Usage

-----

Defining and using a generic function is straightforward::

```
>>> from simplegeneric import generic
>>> @generic
... def move(item, target):
... """Default implementation goes here"""
... print("what you say?!")

>>> @move.when_type(int)
... def move_int(item, target):
... print("In AD %d, %s was beginning." % (item, target))

>>> @move.when_type(str)
... def move_str(item, target):
... print("How are you %s!!" % item)
... print("All your %s are belong to us." % (target,))
```

```

>>> zig = object()
>>> @move.when_object(zig)
... def move_zig(item, target):
... print("You know what you %s." % (target,))
... print("For great justice!")

>>> move(2101, "war")
In AD 2101, war was beginning.

>>> move("gentlemen", "base")
How
are you gentlemen!!
All your base are belong to us.

>>> move(zig, "doing")
You know what you doing.
For great justice!

>>> move(27.0, 56.2)
what you say?!

```

### Inheritance and Allowed Types

-----

Defining multiple methods for the same type or object is an error::

```

>>> @move.when_type(str)
... def this_is_wrong(item, target):
... pass
Traceback (most recent call last):
...
TypeError: <function move...> already has method for type <...'str'>

```

```

>>> @move.when_object(zig)
... def this_is_wrong(item, target): pass
Traceback (most recent call last):
...
TypeError: <function move...> already has method for object <object ...>

```

And the ``when\_type()`` decorator only accepts classes or types::

```

>>> @move.when_type(23)
... def move_23(item, target):
... print("You have no chance to survive!")
Traceback (most recent call last):
...

```

TypeError: 23 is not a type or class

Methods defined for supertypes are inherited following MRO order::

```
>>> class MyString(str):
... """String subclass"""

>>> move(MyString("ladies"), "drinks")
How are you ladies!!
All your drinks are belong to us.
```

Classic class instances are also supported (although the lookup process is slower than for new-style instances)::

```
>>> class X: pass
>>> class Y(X): pass

>>> @move.when_type(X)
... def move_x(item, target):
... print("Someone set us up the %s!!!" % (target,))

>>> move(X(), "bomb")
Someone set us up the bomb!!!

>>> move(Y(), "dance")
Someone set us up the dance!!!
```

## Multiple Types or Objects

-----

As a convenience, you can now pass more than one type or object to the registration methods::

```
>>> @generic
... def isbuiltin(ob):
... return False
>>> @isbuiltin.when_type(int, str, float, complex, type)
... @isbuiltin.when_object(None, Ellipsis)
... def yes(ob):
... return True

>>> isbuiltin(1)
True
>>> isbuiltin(object)
True
>>> isbuiltin(object())
False
```



```
>>> isbuiltin(X())
False
>>> isbuiltin(None)
True
>>> isbuiltin(Ellipsis)
True
```

## Defaults and Docs

-----

You can obtain a function's default implementation using its ``default`` attribute::

```
>>> @move.when_type(Y)
... def move_y(item, target):
... print("Someone set us up the %s!!!" % (target,))
... move.default(item, target)

>>> move(Y(), "dance")
Someone set us up the dance!!!
what you say?!
```

``help()`` and other documentation tools see generic functions as normal function objects, with the same name, attributes, docstring, and module as the prototype/default function::

```
>>> help(move)
Help on function move:
...
move(*args, **kw)
Default implementation goes here
...
```

## Inspection and Extension

-----

You can find out if a generic function has a method for a type or object using the ``has\_object()`` and ``has\_type()`` methods::

```
>>> move.has_object(zig)
True
>>> move.has_object(42)
False
```

```
>>> move.has_type(X)
True
>>> move.has_type(float)
False
```

Note that `has_type()` only queries whether there is a method registered for the *exact* type, not subtypes or supertypes::

```
>>> class Z(X): pass
>>> move.has_type(Z)
False
```

You can create a generic function that "inherits" from an existing generic function by calling `generic()` on the existing function::

```
>>> move2 = generic(move)
>>> move2(2101, "war")
In AD 2101, war was beginning.
```

Any methods added to the new generic function override *all* methods in the "base" function::

```
>>> @move2.when_type(X)
... def move2_X(item, target):
... print("You have no chance to survive make your %s!" % (target,))

>>> move2(X(), "time")
You have no chance
to survive make your time!
```

```
>>> move2(Y(), "time")
You have no chance to survive make your time!
```

Notice that even though `move()` has a method for type `Y`, the method defined for `X` in `move2()` takes precedence. This is because the `move` function is used as the `default` method of `move2`, and `move2` has no method for type `Y`::

```
>>> move2.default is move
True
>>> move.has_type(Y)
True
>>> move2.has_type(Y)
False
```

Limitations

-----

\* The first argument is always used for dispatching, and it must always be passed \*positionally\* when the function is called.

\* Documentation tools don't see the function's original argument signature, so you have to describe it in the docstring.

\* If you have optional arguments, you must duplicate them on every method in order for them to work correctly. (On the plus side, it means you can have different defaults or required arguments for each method, although relying on that quirk probably isn't a good idea.)

These restrictions may be lifted in later releases, if I feel the need. They would require runtime code generation the way I do it in `RuleDispatch`, however, which is somewhat of a pain. (Alternately I could use the `BytecodeAssembler` package to do the code generation, as that's a lot easier to use than string-based code generation, but that would introduce more dependencies, and I'm trying to keep this simple so I can just toss it into Chandler without a big footprint increase.)

.. \_excellent alternative to the Visitor pattern: <http://peak.telecommunity.com/DevCenter/VisitorRevisited>

Platform: UNKNOWN

Classifier:

Development Status :: 6 - Mature

Classifier: Development Status :: 7 - Inactive

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: Zope Public License

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.4

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Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

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\* /opt/cola/permits/1156186189\_1619141878.57/0/simplegeneric-0-8-1-4-zip/simplegeneric-0.8.1/PKG-INFO

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Intended Audience :: Developers  
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Programming Language :: Python  
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## 1.388 pystache 0.5.4

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## 1.389 msgpack 0.6.2

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## 1.390 urllib3 1.25.6

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SOFTWARE.

# Contributions to the urllib3 project

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In chronological order:

- \* victor.vde <<http://code.google.com/u/victor.vde/>>
  - \* HTTPS patch (which inspired HTTPSConnectionPool)
  
- \* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
  - \* NTLM-authenticated HTTPSConnectionPool
  - \* Basic-authenticated HTTPSConnectionPool (merged into make\_headers)
  
- \* niphlod <niphlod@gmail.com>
  - \* Client-verified SSL certificates for HTTPSConnectionPool
  - \* Response gzip and deflate encoding support
  - \* Better unicode support for filepost using StringIO buffers
  
- \* btoconnor <brian@btoconnor.net>
  - \* Non-multipart encoding for POST requests
  
- \* p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>
  - \* Code review, PEP8 compliance, benchmark fix
  
- \* kennethreitz <me@kennethreitz.com>
  - \* Bugfixes, suggestions, Requests integration
  
- \* georgemarshall <<https://github.com/georgemarshall>>
  - \* Bugfixes, Improvements and Test coverage
  
- \* Thomas Kluyver <thomas@kluyver.me.uk>
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- \* brandon-rhodes <<http://rhodesmill.org/brandon>>
  - \* Design review, bugfixes, test coverage.
  
- \* studer <theo.studer@gmail.com>
  - \* IPv6 url support and test coverage
  
- \* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  - \* Support for explicitly closing pooled connections
  
- \* hartator <hartator@gmail.com>
  - \* Corrected multipart behavior for params
  
- \* Thomas Weischuh <thomas@t-8ch.de>
  - \* Support for TLS SNI
  - \* API unification of ssl\_version/cert\_reqs
  - \* SSL fingerprint and alternative hostname verification

- \* Bugfixes in testsuite
  
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- \* Bryce Boe <bbzbryce@gmail.com>
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- \* Cory Benfield  
<<https://lukasa.co.uk/about/>>
  - \* Stream method for Response objects.
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  - \* Add missing WrappedSocket.fileno method in PyOpenSSL
  
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  - \* Fixed a race condition
  
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  - \* Added HTTPS (CONNECT) proxy support
  
- \* Stephen Holsapple <sholsapp@gmail.com>
  - \* Added abstraction for granular control of request fields
  
- \* Martin von Gagern <Martin.vGagern@gmx.net>
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- \* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
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  - \* HTTPResponse.tell() for determining amount received over the wire
  
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- \* Danilo @dbrgn <<https://dbrgn.ch/>>
  - \* Disabled TLS compression by default on Python 3.2+
  - \* Disabled TLS compression in pyopenssl contrib module

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  - \* Use the platform-specific CA certificate locations
  
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  - \* Added Timeout examples in docs
  
- \* Arthur Grunseid <https://grunseid.com>
  - \* source\_address support and tests (with https://github.com/bui)
  
- \* Ian Cordasco <graffatcolmingov@gmail.com>
  - \* PEP8 Compliance and Linting
  - \* Add ability to pass socket options to an HTTP Connection
  
- \* Erik Tollerud <erik.tollerud@gmail.com>
  - \* Support for standard library io module.
  
- \* Krishna Prasad <kprasad.iitd@gmail.com>
  - \* Google App Engine documentation
  
- \* Aaron Meurer  
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  - \* Added Url.url, which unparses a Url
  
- \* Evgeny Kapun <abacabadabacaba@gmail.com>
  - \* Bugfixes
  
- \* Benjamin Meyer <bm\_witness@yahoo.com>
  - \* Security Warning Documentation update for proper capture
  
- \* Shivan Sornarajah <github@sornars.com>
  - \* Support for using ConnectionPool and PoolManager as context managers.
  
- \* Alex Gaynor <alex.gaynor@gmail.com>
  - \* Updates to the default SSL configuration
  
- \* Tomas Tomecek <ttomecek@redhat.com>
  - \* Implemented generator for getting chunks from chunked responses.
  
- \* tlynn <https://github.com/tlynn>



- \* Respect the warning preferences at import.
  
- \* David D. Riddle <ddriddle@illinois.edu>
  - \* IPv6 bugfixes in testsuite
  
- \* Thea Flowers <magicalgirl@google.com>
  - \* App Engine environment tests.
  - \* Documentation re-write.
  
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  - \* Clues to debugging problems with `cryptography` dependency in docs
  
- \* Disassem <https://github.com/Disassem>
  - \* Fix pool-default headers not applying for url-encoded requests like GET.
  
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  - \* Bugfixes relating to cleanup of connections during errors.
  
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  - \* IPv6 HTTPS proxy bugfix
  
- \* Jordan Moldow <https://github.com/jmoldow>
  - \* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
  - \* Bugfix for ``ConnectionPool.urlopen(release\_conn=False)``.
  - \* Creation of ``HTTPConnectionPool.ResponseCls``.
  
- \* Predrag Gruevski <https://github.com/obi1kenobi>
  - \* Made cert digest comparison use a constant-time algorithm.
  
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  - \* Bugfix to ca\_cert file paths.
  
- \* Evan Meagher <https://evanmeagher.net>
  - \* Bugfix related to `memoryview` usage in PyOpenSSL adapter
  
- \* John Vandenberg <jayvdb@gmail.com>
  - \* Python 2.6 fixes; pyflakes and pep8 compliance
  
- \* Andy Caldwell <andy.m.caldwell@googlemail.com>
  - \* Bugfix related to reusing connections in indeterminate states.
  
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  - \* Logging efficiency
  - improvements, spelling fixes, Travis config.
  
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  - \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

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- \* Jeremy Cline <jeremy@jcline.org>
  - \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <palaviv@gmail.com>
  - \* History list to Retry object.
  - \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <nate.prewitt@gmail.com>
  - \* Ensure timeouts are not booleans and greater than zero.
  - \* Fixed infinite loop in ``stream`` when amt=None.
  - \* Added length\_remaining to determine remaining data to be read.
  - \* Added enforce\_content\_length to raise exception when incorrect content-length received.
  
- \* Seth Michael Larson <sethmichaellarson@protonmail.com>
  - \* Created selectors backport that supports PEP 475.
  
- \* Alexandre Dias <alex.dias@smarkets.com>
  - \* Don't retry on timeout if method not in whitelist
  
- \* Moinuddin Quadri <moin18@gmail.com>
  - \* Lazily load idna package
  
- \* Tom White <s6yg1ez3@mail2tor.com>
  - \* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
  
- \* Tim Burke <tim.burke@gmail.com>
  - \* Stop buffering entire deflate-encoded responses.
  
- \* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  - \* Add counter for status\_forcelist retries.
  
- \* Erik Rose <erik@mozilla.com>
  - \* Bugfix to pyopenssl vendoring
  
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  - \* Bugfix related to loading full certificate chains with PyOpenSSL backend.
  
- \* Mike Miller <github@mikeage.net>
  - \* Logging improvements to include the HTTP(S) port when opening a new connection

- \* Ioannis Tziakos <mail@itziakos.gr>
- \* Fix ``util.selectors.\_fileobj\_to\_fd`` to accept ``long``.
- \* Update appveyor tox setup to use the 64bit python.
  
- \* Akamai  
(through Jess Shapiro) <jshapiro@akamai.com>
- \* Ongoing maintenance; 2017-2018
  
- \* Dominique Leuenberger <dimstar@opensuse.org>
- \* Minor fixes in the test suite
  
- \* Will Bond <will@wbond.net>
- \* Add Python 2.6 support to ``contrib.securetransport``
  
- \* Aleksei Alekseev <alekseev.yeskela@gmail.com>
- \* using auth info for socks proxy
  
- \* Chris Wilcox <git@crwilcox.com>
- \* Improve contribution guide
- \* Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior
  
- \* Bruce Merry <https://www.brucemerry.org.za>
- \* Fix leaking exceptions when system calls are interrupted with zero timeout
  
- \* Hugo van Kemenade <https://github.com/hugovk>
- \* Drop support for EOL Python 2.6
  
- \* Tim Bell <https://github.com/timb07>
- \* Bugfix for responses with Content-Type: message/\* logging warnings
  
- \* Justin Bramley <https://github.com/jbramleycl>
- \* Add ability to handle multiple Content-Encodings
  
- \* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
- \* Remove Authorization header  
regardless of case when redirecting to cross-site
  
- \* James Meickle <https://permadeath.com/>
- \* Improve handling of Retry-After header
  
- \* Chris Jerdonek <chris.jerdonek@gmail.com>
- \* Remove a spurious TypeError from the exception chain inside  
HTTPConnectionPool.\_make\_request(), also for BaseExceptions.
  
- \* [Your name or handle] <[email or website]>
- \* [Brief summary of your changes]

# 1.391 pytz 2018.5

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## 1.397 loader-utils 1.2.3

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\* /opt/cola/permits/1170785299\_1622700563.86/0/python-excel-xlrd-1-1-0-0-ge1930e4-1-tar-gz/python-excel-xlrd-e1930e4/tests/test\_xldate.py

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# <p>This module is part of the xlrd package, which is released under a BSD-style licence.</p>

Found in path(s):

\* /opt/cola/permits/1170785299\_1622700563.86/0/python-excel-xlrd-1-1-0-0-ge1930e4-1-tar-gz/python-excel-xlrd-e1930e4/xlrd/timemachine.py

\* /opt/cola/permits/1170785299\_1622700563.86/0/python-excel-xlrd-1-1-0-0-ge1930e4-1-tar-gz/python-excel-xlrd-e1930e4/xlrd/examples/xlrdnameAPIdemo.py

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Found in path(s):

\* /opt/cola/permits/1170785299\_1622700563.86/0/python-excel-xlrd-1-1-0-0-ge1930e4-1-tar-gz/python-excel-xlrd-e1930e4/setup.py

# 1.399 django 2.1.4

## 1.399.1 Available under license :

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====

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=====  
Advice for new contributors  
=====

New contributor and not sure what to do? Want to help but just don't know how to get started? This is the section for you.

.. admonition:: Basic tools and workflow

If you are new to contributing to Django, the `:doc:`intro/contributing`` tutorial will give you an introduction to the tools and the workflow.

First steps  
=====

Start with these easy tasks to discover Django's development process.

**\*\*Sign the Contributor License Agreement\*\***

The code that you write belongs to you or your employer. If your contribution is more than one or two lines of code, you need to sign the ``CLA`_`. See the ``Contributor License Agreement FAQ`_` for a more thorough explanation.

**\*\*Triage tickets\*\***

If an ``unreviewed ticket`_` reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at `:ref:`how-can-i-help-with-triaging``

**\*\*Look for tickets that are accepted and review patches to build familiarity**

with the codebase and the process\*\*

Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. :doc:`Run the tests </internals/contributing/writing-code/unit-tests>` and make sure they pass. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

\* \*\*Keep old patches up to date\*\*

Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on :doc:`writing-code/submitting-patches`.

\* \*\*Write some documentation\*\*

Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on :doc:`writing-documentation`.

.. note::

The `reports page`\_ contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

.. \_reports page: <https://code.djangoproject.com/wiki/Reports>

.. \_CLA: <https://www.djangoproject.com/foundation/cla/>

.. \_Contributor License Agreement FAQ: <https://www.djangoproject.com/foundation/cla/faq/>

.. \_unreviewed ticket: <https://code.djangoproject.com/query?status=!closed&stage=Unreviewed>

## Guidelines

=====

As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

\* \*\*Pick a subject

area that you care about, that you are familiar with, or that you want to learn about\*\*

You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

**\*\*Analyze tickets' context and history\*\***

Trac isn't an absolute; the context is just as important as the words.

When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who *hasn't* spoken -- for example, if an experienced contributor hasn't been recently involved in a discussion, then a ticket may not have the support required to get into Django.

**\*\*Start small\*\***

It's easier to get feedback on a little issue than on a big one. See the ``easy pickings`_`.

**\*\*If you're going to engage in a big task, make sure that your idea has support first\*\***

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that there's consensus on a proposed feature before you go implementing it.

**\*\*Be bold! Leave feedback!\*\***

Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of any one person. We can't do it without *you*!

**\*\*Err on the side of caution when marking things Ready For Check-in\*\***

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

**\*\*Wait for feedback, and respond to feedback that you receive\*\***

Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

**\*\*Be rigorous\*\***

When we say ":pep:`8`, and must have docs and tests", we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. \_easy pickings: <https://code.djangoproject.com/query?status=!closed&easy=1>

.. \_new-contributors-faq:

## FAQ

====

1. **\*\*This ticket I care about has been ignored for days/weeks/months! What can I do to get it committed?\***

First off, it's not personal. Django is entirely developed by volunteers (except the Django fellow), and sometimes folks just don't have time. The best thing to do is to send a gentle reminder to the |django-developers| mailing list asking for review on the ticket, or to bring it up in the `#django-dev` IRC channel.

2. **\*\*I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself?\***

Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

## A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a

non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above				
2.1.1	2001-now	PSF		yes

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# 1.412 libatomic 7.6.10

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base64.c -- routines to encode/decode base64 data

\$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp \$ /

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This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:  
<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>  
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@(#) \$RCSfile: certdata.txt,v \$  
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## 1.419 supports-color 5.3.0

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## 1.420 remove-trailing-separator 1.1



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## 1.421 procps 3.3.15

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## 1.422 wwidth 0.1.7

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

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MA 02111-1307 USA

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mail.

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the  
library `Frob' (a library for tweaking knobs) written by James  
Random Hacker.

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

## 1.434 sapy 1.4.7

### 1.434.1 Available under license :

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

```
"_SLERUM::slerum_auth_request - send auth request for the license: %s"
```

Found in path(s):

```
* /opt/cola/permits/1331064531_1660589239.7372057/0/sapy-mirror-release-v1-4-7-
zip/sapy-mirror-release-v1.4.7/test_automation/sanity/sa_ultra.py
```

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

```
:class:`TransportFatalError`: a special exception type recognized by the agent.
```

```
:class:`TransportRetryLater`: a special exception type recognized by the agent.
```

Found in path(s):

```
* /opt/cola/permits/1331064531_1660589239.7372057/0/sapy-mirror-release-v1-4-7-
zip/sapy/plugins/transport/base.py
```

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

```
// Permission to use, copy, modify, and/or distribute this software for any
// purpose with or without fee is hereby granted, provided that the above
// copyright notice and this permission notice appear in all copies.
```

Found in path(s):

```
*/opt/cola/permits/1331064531_1660589239.7372057/0/sapy-mirror-release-v1-4-7-zip/sapy-mirror-release-
v1.4.7/docs/source/.static/js/renderjson.js
```

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

```
{
"cells": [
{
"cell_type": "markdown",
"metadata": {},
"source": [
"# Setup\n",
"\n",
"Parameters to be configured before running the notebook:"
]
},
{
"cell_type": "code",
"execution_count": 1,
"metadata": {},
"outputs": [],
"source": [
"SQLITE_PATH = \"/path/to/db.sqlite\"\n",
"C_LIBRARY_PATH = \"/path/to/libSmartSecurity.so\"\n",
"ENTITLEMENT_TAG = \"<ent-tag>\""
]
},
{
"cell_type": "markdown",
"metadata": {},
"source": [
"# Run It"
]
},
{
"cell_type": "code",
"execution_count": 1,
"metadata": {},
"outputs": [],
"source": [
"import os\n",
"import time\n",
"\n",
"import sapy\n",
```

```

"from sapy.plugins.datastore import SQLiteDatastore"
]
},
{
"cell_type": "code",
"execution_count": 2,
"metadata": {},
"outputs": [],
"source": [
"SQLITE_PATH = \"/path/to/db.sqlite\"\n",
"C_LIBRARY_PATH
= \"/path/to/libSmartSecurity.so\"\n",
"ENTITLEMENT_TAG = \"<ent-tag>\""
]
},
{
"cell_type": "code",
"execution_count": 3,
"metadata": {},
"outputs": [],
"source": [
"def getsize():\n",
" return os.path.getsize(SQLITE_PATH)"
]
},
{
"cell_type": "code",
"execution_count": 4,
"metadata": {},
"outputs": [],
"source": [
"if os.path.exists(SQLITE_PATH):\n",
" os.remove(SQLITE_PATH)\n",
"\n",
"sapy.mock.settings[\"builtin_security_module.c_library_path\"] = C_LIBRARY_PATH\n",
"sapy.mock.settings[\"datastore.filepath\"] = SQLITE_PATH\n",
"sapy.mock.plugins[\"datastore\"] = SQLiteDatastore\n",
"\n",
"sapy.init_smart_agent(sapy.mock.settings, sapy.mock.plugins)\n",
"\n",
"agent = sapy.smart_agent()"
]
},
{
"cell_type": "code",
"execution_count": 5,
"metadata": {},
"outputs": [],

```

```

"source": [
 "from ipywidgets import FloatProgress\n",
 "from IPython.display
import display\n",
 "\n",
 "number = 100\n",
 "progress_bar = FloatProgress(min=0, max=number)\n",
 "display(progress_bar)\n",
 "\n",
 "tcid, tenant = agent.create_tenant()\n",
 "task = tenant.register(sapy.mock.token, force=True)\n",
 "\n",
 "data_KB = []\n",
 "for i in range(number):\n",
 " entitlement = tenant.entitlement(ENTITLEMENT_TAG)\n",
 " entitlement.request(1)\n",
 " time.sleep(.1)\n",
 " size_Byte = getsize()\n",
 " data_KB.append(size_Byte/1000.0)\n",
 " progress_bar.value += 1\n",
 "\n",
 "print(\"Done \")"
]
},
{
 "cell_type": "markdown",
 "metadata": {},
 "source": [
 "# Graph It\n",
 "\n",
 "*Note:* matplotlib is required to plot the graph. You are free to use any other plotting libraries though. For most
of the system, within the current virtual environment issuing following command should suffice to install
matplotlib.\n",
 "```\n",
 "$ pip install matplotlib\n",
 "```\n",
 "\n",
 "* More details at official [matplotlib](https://matplotlib.org/users/installing.html) installation page.\n"
]
},
{
 "cell_type": "code",
 "execution_count": 7,
 "metadata": {},
 "outputs": [
 {
 "data": {
 "image/png":

```

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BodHRwOi8vbWF0cGxvdGxpYi5vcmevbnQurowAAIABJREFUeJzt3Xl8XXWd//HXp9naJKW1TSyUVgK0gKXX  
0iKbOi0VBpXFHyKIyoCD1oVBcIVRB1BBYXREnBkXQC0iUhFZOygoNCwqW8tOWWopdAGalhaSps3Wz++  
P7/emt7cnNzdpbm7uzfv5eORxz3bP+XzPOfl+zna/x9wdERGRTCMKHYCiAxNshAiIpJICUJERBIpQYiISCIICB  
ERSaQEISliiZQghgAzcObkmX802Y2K8d5LTez9w1YcP1kZl83s6uyjD/dzO4fzJhkW2b2OTN7zcxazGx8oeORo  
UcJYgfEyrjdzOoyhj8aK/2GfsxznpldID7M3fd198YdCjaPzGyWma1MH+bu33X3T8XxDXF9IBcmwtwNIQS7o3or  
h51VAD8EjnL3WndfN3jRDZ7eDr4GMY6i+R9IpsXs414ETkn1mNk7gOrChSODqj+4dNMAEYCT/flixao7hgO  
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UmnYEcb7wD2AdcD0wLkt5jgEeAzYAfWpemTHfwrBPAG/E5Y8EaoBNwJYYcswsMcb5m/jdl2MZU+MPTVg  
H+wB/B14HngNOShs3D/gJ8Mf4/b8COWM/AtYDzwIHpE0/EfgD0ERI4F9IG3dhXA+/juvvaWBmHHdNLMemuJy  
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3c3df5+5/cPfwUC0uTijHr9z9+bfhXM/A/Y8URLFePx1qriGczu5OuHSRbytsHE6+Jd4gnpgw3W7ATWa2JW1YF+  
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 "plt.ylabel(\"DB filesize in KB\")\n",
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```

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

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"sapy.mock.settings[\"datastore.filepath\"] = SQLITE_PATH\n",
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"from IPython.display import display\n",
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"progress_bar = FloatProgress(min=0, max=number)\n",
"display(progress_bar)\n",
"\n",
"print(\"Initial size: %r Byte\" % getsize())\n",
"\n",
"data_KB = []\n",
"for i in range(number):\n",
" tcid, tenant = agent.create_tenant()\n",
" task = tenant.register(sapy.mock.token, force=True)"
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```

```

" \n",
" time.sleep(.1)\n",
" size_Byte = getsize()\n",
" data_KB.append(size_Byte/1000.0)\n",
" progress_bar.value += 1\n",
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"print(\"Done \")"
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"$ pip install matplotlib\n",
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"* More details at official [matplotlib](https://matplotlib.org/users/installing.html) installation page."
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+K7xfwV/MLDecd20Y72Ize8DM8sLpvzWz283s72FdfCAs4jvAvPCo5fPhEc0r4esl4QWYIkoQ0uP9D/BxMys8hP  
fMBq4FjgauAKa6+0nAL4Ab4pYrIrH76CLgZ+EO92qCYRPMAnOBa8KhJgBOAL7g7lPjCzOzYuC7wFkEVyXP  
Nbp3u/s3gUXAx939K6kEbsENe8YDJ4frOs3MTgtnTwN+7O7HAHt5Z+jpB9x9rrvPBt4Cropb5Sjg9HDZb4fTbgae  
CY9afgJ8Dvh+eEQzF6hIJVbp+w7lUFkk7dx9j5n9Gvg8wU4xFa/EDRfxFvB4OH0pMC9uufvDQerWmNk6YDrBe  
Faz4o5OCgnGIWoCXg7vjdDRXKDC3WvCMn8HvJdgmI9DdS7ByLyvh6/zgakEg8Stdfel4fRXCRicYbzfBIYABU  
BZ3Pr+GI5CusTMOhuO+u/A183sKOAhd197GHFLH6QjCokNfkzwy35Q3LQWwu3XzLKA/nHz9sU9b4t73caBP  
4o6jjPjgAE3xN1hbYK7tyeY+iP6FKkxYGFc+ZPd/e5wXvznauWdz/Jr4LPufiywEMiNWY7+PZaoQHf/DcFAffuAx  
6zDkPGSuZQgpMcLbxq8nyBJtNsAnBg+vwTIOYxVX2ZmWeF5iYnAKuCvwGfDoZ8xs6nhSLnJvAycaWYjLLg  
t5+XAs4cRD2H5V7eXaWZjUzhJPwioCmP+WAp11BicarCWmDhd17r77QRHH7MOL3TPa9TEJL3FD4Dr417/H  
HjYzBYDj3F4v+43EuzcBwPXunujmf2CoOnmtXDEzhoOcestWd680s5uBZwh+pT/q7oc1xLq7/9nMpgMvBsVty8  
F3+rcAr4SxvsyBRxCjvA5kh3V3FzDYzC4HmgnOP9x2OLFL36PRXEVEJCE1MYmISEJKEClipAShIiJKQEIS  
IiCSiBiIhIQkoQliKSkBKEiIlgk9P8DFI+8rRLplNIAAAAASUVORK5CYII=\n",

"text/plain": [  
"<Figure size 432x288 with 1 Axes>"  
]



```

 },
 "metadata": {
 "needs_background": "light"
 },
 "output_type": "display_data"
 }
],
"source": [
 "# Plot showing sqlite db filesize for the entitlement requests\n",
 "%matplotlib inline\n",
 "\n",
 "import matplotlib.pyplot as plt\n",
 "\n",
 "plt.plot(data_KB, list(range(len(data_KB))), label='linear')\n",
 "plt.xlabel(\"Number of Tenants\")\n",
 "plt.ylabel(\"DB filesize in KB\")\n",
 "plt.title(\"Multiple tenant creation and registration\")\n",
 "plt.grid(True)\n",
 "plt.legend()\n",
 "plt.show()"
]
},
{
 "cell_type": "code",
 "execution_count": null,
 "metadata": {},
 "outputs": [],
 "source": []
}
],
"metadata": {
 "kernelspec": {
 "display_name": "Python 3",
 "language": "python",
 "name": "python3"
 },
 "language_info": {
 "codemirror_mode": {
 "name": "ipython",
 "version": 3
 },
 "file_extension": ".py",
 "mimetype": "text/x-python",
 "name": "python",
 "nbconvert_exporter": "python",
 "pygments_lexer": "ipython3",
 "version": "3.6.8"
 }
}

```

```
}
},
"nbformat": 4,
"nbformat_minor": 2
}
```

Found in path(s):

```
* /opt/cola/permits/1331064531_1660589239.7372057/0/sapy-mirror-release-v1-4-7-zip/sapy-mirror-release-v1.4.7/docs/source/materials/tenant-creation.ipynb
```

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

#### Smart Licensing Status

```
=====
```

```
{{get_license_status}}
```

Evaluation Period:

```
Evaluation Mode: {{get_eval_mode}}
```

```
Evaluation Period Remaining: {{get_eval_period_remaining}}
```

#### License Usage

```
=====
```

```
{{^get_license_usage}} {{get_line_break}} No licenses in
use {{get_line_break}} {{/get_license_usage}} {{#get_license_usage}}
```

```
License: {{#name}} {{name}} {{/name}}
```

```
Entitlement Tag: {{#name-tag}} {{name-tag}} {{/name-tag}}
```

```
Description: {{#description}} {{description}} {{/description}}
```

```
Count: {{#count}} {{count}} {{/count}}
```

```
Version: {{#version}} {{version}} {{/version}}
```

```
Status: {{#status}} {{status}} {{/status}}
```

```
Status time: {{#status_time}} {{status_time}} {{/status_time}}
```

```
Request Time: {{#request_time}} {{request_time}} {{/request_time}} {{#export-status}} {{get_line_break}}
```

```
Export status: {{export-status}} {{/export-status}} {{#feature}} {{get_line_break}} Feature name:
```

```
{{feature}} {{/feature}} {{#feature description}} {{get_line_break}}
```

```
Feature Description: {{feature description}} {{/feature description}}
```

```
{{/get_license_usage}}
```

#### Product Information

```
=====
```

```
{{get_license_udi}}
```

Agent Version

```
=====
```

```
Smart Agent for Licensing: {{get_agent_version}}
```

#### Upcoming Scheduled Jobs

```
=====
```

```
Certificate Renewal: {{get_cert_renewal}}
```

```
Certificate Expiration: {{get_cert_expiration_check}}
```

```
Authorization Renewal: {{get_auth_renewal}}
```

```
Authorization Expiration: {{get_auth_expiration_check}}
```

Evaluation Expiration Check: {{get\_eval\_expiration\_check}}  
Register Period Expiration Check: {{get\_register\_period\_expiration\_check}}  
Ack Expiration Check: {{get\_ack\_expiration\_check}}

#### License Certificates

=====

{{^get\_license\_certificates\_default}}

Production cert: {{get\_production\_cert}}

PIID: {{get\_piid}}

Licensing Certificates:

ID Cert Info:

Start Date: {{#get\_id\_cert\_start\_date}}{{get\_id\_cert\_start\_date}}{/get\_id\_cert\_start\_date}}

Expiry Date: {{#get\_id\_cert\_expiry\_date}}{{get\_id\_cert\_expiry\_date}}{/get\_id\_cert\_expiry\_date}}

Version: {{#get\_id\_cert\_version\_number}}{{get\_id\_cert\_version\_number}}{/get\_id\_cert\_version\_number}}

Serial Number:

{{#get\_id\_cert\_serial\_number}}{{get\_id\_cert\_serial\_number}}{/get\_id\_cert\_serial\_number}}

Common Name:

{{#get\_id\_cert\_common\_name}}{{get\_id\_cert\_common\_name}}{/get\_id\_cert\_common\_name}}

Issuer Name: {{#get\_id\_cert\_issuer\_name}}{{get\_id\_cert\_issuer\_name}}{/get\_id\_cert\_issuer\_name}}

Attributes:

CN: {{#get\_id\_cert\_attributes\_cn}}{{get\_id\_cert\_attributes\_cn}}{/get\_id\_cert\_attributes\_cn}}

Serial Number:

{{#get\_id\_cert\_attributes\_serial\_number}}{{get\_id\_cert\_attributes\_serial\_number}}{/get\_id\_cert\_attributes\_serial\_number}}

O: {{#get\_id\_cert\_attributes\_o}}{{get\_id\_cert\_attributes\_o}}{/get\_id\_cert\_attributes\_o}}

Signing Cert Info:

Start Date: {{#get\_signing\_cert\_start\_date}}{{get\_signing\_cert\_start\_date}}{/get\_signing\_cert\_start\_date}}

Expiry

Date: {{#get\_signing\_cert\_expiry\_date}}{{get\_signing\_cert\_expiry\_date}}{/get\_signing\_cert\_expiry\_date}}

Version:

{{#get\_signing\_cert\_version\_number}}{{get\_signing\_cert\_version\_number}}{/get\_signing\_cert\_version\_number}}

Serial Number:

{{#get\_signing\_cert\_serial\_number}}{{get\_signing\_cert\_serial\_number}}{/get\_signing\_cert\_serial\_number}}

Common Name:

{{#get\_signing\_cert\_common\_name}}{{get\_signing\_cert\_common\_name}}{/get\_signing\_cert\_common\_name}}

Issuer Name:

{{#get\_signing\_cert\_issuer\_name}}{{get\_signing\_cert\_issuer\_name}}{/get\_signing\_cert\_issuer\_name}}

Attributes:

CN:

{{#get\_signing\_cert\_attributes\_cn}}{{get\_signing\_cert\_attributes\_cn}}{/get\_signing\_cert\_attributes\_cn}}

O: {{#get\_signing\_cert\_attributes\_o}}{{get\_signing\_cert\_attributes\_o}}{/get\_signing\_cert\_attributes\_o}}

Intermediate Cert info:

Start Date:

{{#get\_intermediate\_cert\_start\_date}}{{get\_intermediate\_cert\_start\_date}}{/get\_intermediate\_cert\_start\_date}}

Expiry Date:  
{{#get\_intermediate\_cert\_expiry\_date}}{{get\_intermediate\_cert\_expiry\_date}}{/get\_intermediate\_cert\_expiry\_date}}

Version:  
{{#get\_intermediate\_cert\_version\_number}}{{get\_intermediate\_cert\_version\_number}}{/get\_intermediate\_cert\_version\_number}}

Serial Number:  
{{#get\_intermediate\_cert\_serial\_number}}{{get\_intermediate\_cert\_serial\_number}}{/get\_intermediate\_cert\_serial\_number}}

Common Name:  
{{#get\_intermediate\_cert\_common\_name}}{{get\_intermediate\_cert\_common\_name}}{/get\_intermediate\_cert\_common\_name}}

Issuer Name:  
{{#get\_intermediate\_cert\_issuer\_name}}{{get\_intermediate\_cert\_issuer\_name}}{/get\_intermediate\_cert\_issuer\_name}}

Attributes:  
CN:  
{{#get\_intermediate\_cert\_attributes\_cn}}{{get\_intermediate\_cert\_attributes\_cn}}{/get\_intermediate\_cert\_attributes\_cn}}

O:  
{{#get\_intermediate\_cert\_attributes\_o}}{{get\_intermediate\_cert\_attributes\_o}}{/get\_intermediate\_cert\_attributes\_o}}  
{/get\_license\_certificates\_default}}{{#get\_license\_certificates\_default}}Production  
cert:  
{{get\_production\_cert}}{get\_line\_break}}{get\_license\_certificates\_default}}{get\_line\_break}}{/get\_license\_certificates\_default}}

Other info  
=====

Software ID: {{get\_software\_tag}}  
Tenant State: {{get\_tenant\_state}}  
Transport: {{get\_transport}}  
Locale: {{get\_locale}}  
Tenants available: {{get\_list\_of\_tenants\_created}}  
Reservation enable: {{get\_reservation\_enable}}  
{{#get\_reservation\_enable}}  
Reservation status: {{get\_reservation\_status}}  
Reservation Request code: {{get\_reservation\_request\_code}}  
Reservation authorization code: {{get\_reservation\_auth\_code}}  
Reservation return code: {{get\_reservation\_return\_code}}  
Reservation confirmation code: {{get\_reservation\_confirmation\_code}}  
{/get\_reservation\_enable}}

Found in path(s):  
\* /opt/cola/permits/1331064531\_1660589239.7372057/0/sapy-mirror-release-v1-4-7-zip/sapy-mirror-release-v1.4.7/clitools/cliexecuter/show\_tech\_support.mustache  
\* /opt/cola/permits/1331064531\_1660589239.7372057/0/sapy-mirror-release-v1-4-7-zip/sapy-mirror-release-v1.4.7/sapy/builtins/show\_api/templates/show\_tech\_support.mustache

# 1.435 Ivm2 2.02.185

## 1.435.1 Available under license :

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Version 2.1, February 1999

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Any executables

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## 1.437 backports-ssl-match-hostname 3.5.0.1

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## 1.444 glibc 2.33-6-

## g8d4241b8976273513e72cc1c5f6b1af3

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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

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Section 6 states terms for distribution of such executables.

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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.)

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.

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base64.c -- routines to encode/decode base64 data

\$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp \$ /

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## 1.448 util-linux 2.35.1

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```

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```

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Ty Coon, President of Vice
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```
#!/usr/bin/env bash
```

```
MIT licenses will each have a unique MD5 sum since they contain a unique copyright.
```

```
This script will read the license file into memory, strip out the copyright, and then
```

```
generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
```

```
set -e
```

```
calculate_md5_sum() {
```

```
 local FILE="$1"
```

```
 # Read the contents of the file into a variable
```

```
 local raw_license_text=$(<"$FILE")
```

```
 # Convert to lowercase
```

```
 local lowercase_license_text="{raw_license_text,,}"
```

```
 # Remove anything before the beginning of the license
```

```
 local stripped_license_text=$(awk '/permission is hereby granted,/{p=1} p' <<< "$lowercase_license_text")
```

```
 # Replace line breaks (Windows or Linux) with a single space
```

```
 local replaced_linebreaks=$(tr '\r\n' ' ' <<< "$stripped_license_text")
```

```
 # Replace multiple spaces with a single space
```

```
 local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")
```

```
 # Strip away any non-printable, non-whitespace characters
```

```
 local clean_unprintable_license_text=$(tr
```

```
 -cd '[:print:][:space:]' <<< "$normalized_license_text")
```

```
 # Remove punctuation and special characters
```

```
 local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z]//g')
```

```
 # Calculate the MD5 sum of the cleaned license text
```

```
 local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')
```

```
 # Output the MD5 sum
```

```
 echo "$MD5SUM"
```

```
}
```

```
Check if the FILE argument is provided
```

```
if [-z "$1"]; then
```

```
 echo "Please provide a FILE as an argument."
```

```
 exit 1
```

```
fi
```

```
Invoke the function with the provided FILE argument
```

```
calculate_md5_sum "$1"
```

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Version 3, 29 June 2007

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```
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# 1.449 log-rotate 3.15.1

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

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THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel

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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.

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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.

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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:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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```
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
```

That's all there is to it!

# 1.455 python-pip 19.3.1

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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"Source code" for a work means the preferred form of the work for

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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,

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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



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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.

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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

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- 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.
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team.

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2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
3.2.1	3.2	2011	PSF	yes
3.2.2	3.2.1	2011	PSF	yes
3.3	3.2			
2012	PSF			yes

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes

2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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Python was created in the early 1990s by Guido van Rossum at Stichting  
Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands  
as a successor of a language called ABC. Guido remains Python's  
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for  
National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)  
in Reston, Virginia where he released several versions of the  
software.

In May 2000, Guido and the Python core development team moved to  
BeOpen.com to form the BeOpen PythonLabs team. In October of the same  
year, the PythonLabs team moved to Digital Creations (now Zope  
Corporation, see <http://www.zope.com>). In 2001, the Python Software  
Foundation (PSF, see <http://www.python.org/psf/>) was formed, a  
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All Python releases are Open Source (see <http://www.opensource.org> for  
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no

1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$

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```

: http.serialize\n}\n\nexport default handler;" , "import { URISchemeHandler, URIComponents, URIOptions } from
\"../uri\";\n\nconst handler:URISchemeHandler = {\n\ttscheme : \"http\" ,\n\ttdomainHost : true ,\n\ttparse : function
(components:URIComponents, options:URIOptions):URIComponents {\n\t\t//report missing host\n\t\ttif
(!components.host) {\n\t\t\tcomponents.error = components.error || \"HTTP URIs must have a
host.\";\n\t\t}\n\t\treturn components;\n\t} ,\n\ttserialize : function (components:URIComponents,
options:URIOptions):URIComponents {\n\t\t//normalize the default port\n\t\ttif (components.port ===
(String(components.scheme).toLowerCase() !== \"https\" ? 80 : 443) || components.port === \"\")
{\n\t\t\tcomponents.port = undefined;\n\t\t}\n\t\t//normalize the empty path\n\t\ttif (!components.path)
{\n\t\t\tcomponents.path = \"\";\n\t\t}\n\t\t//NOTE: We do not parse query strings for HTTP URIs\n\t\t//as WWW
Form Url Encoded query strings are part of the HTML4+ spec,\n\t\t//and
not the HTTP spec.\n\t\treturn components;\n\t}\n}\n\nexport default handler;" , "/*\n * URI.js\n * \n *
@fileoverview An RFC 3986 compliant, scheme extendable URI parsing/validating/resolving library for
JavaScript.\n * @author Gary Court\n * @see
http://github.com/garycourt/uri-js\n * \n * Copyright 2011 Gary Court. All rights reserved.\n * \n *
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the software and documentation are those of the\n * authors and should not be interpreted as representing official
policies, either expressed\n * or implied, of Gary Court.\n */\n\nimport URI_PROTOCOL from \"./regexp-
uri\";\nimport IRI_PROTOCOL from \"./regexp-iri\";\nimport
punycode from \"punycode\";\nimport { toUpperCase, typeOf, assign } from \"./util\";\n\nexport interface
URIComponents
{\n\ttscheme?:string;\n\tuserinfo?:string;\n\tthost?:string;\n\ttport?:number|string;\n\ttpath?:string;\n\ttquery?:string;\n\ttfr
agment?:string;\n\ttreference?:string;\n\tterror?:string;\n}\n\nexport interface URIOptions
{\n\ttscheme?:string;\n\ttreference?:string;\n\tttolerant?:boolean;\n\ttabsoLutePath?:boolean;\n\ttiri?:boolean;\n\ttunicode
Support?:boolean;\n\ttdomainHost?:boolean;\n}\n\nexport interface URISchemeHandler<Components extends
URIComponents = URIComponents, Options extends URIOptions = URIOptions, ParentComponents extends
URIComponents = URIComponents> {\n\ttscheme:string;\n\ttparse(components:ParentComponents,
options:Options):Components;\n\ttserialize(components:Components,
options:Options):ParentComponents;\n\ttunicodeSupport?:boolean;\n\ttdomainHost?:boolean;\n\ttabsoLutePath?:boole
an;\n}\n\nexport interface URIRegExps {\n\tNOT_SCHEME : RegExp,\n\tNOT_USERINFO
: RegExp,\n\tNOT_HOST : RegExp,\n\tNOT_PATH : RegExp,\n\tNOT_PATH_NOScheme :
RegExp,\n\tNOT_QUERY : RegExp,\n\tNOT_FRAGMENT : RegExp,\n\tESCAPE : RegExp,\n\tUNRESERVED :
RegExp,\n\tOTHER_CHARS : RegExp,\n\tPCT_ENCODED : RegExp,\n\tIPV4ADDRESS :
RegExp,\n\tIPV6ADDRESS : RegExp,\n}\n\nexport const SCHEMES: {[scheme:string]:URISchemeHandler} =
{};\n\nexport function pctEncChar(chr:string):string {\n\tconst c = chr.charCodeAt(0);\n\tlet e:string;\n\ttif (c < 16)

```

```

e = \"%0\" + c.toString(16).toUpperCase();\n\telse if (c < 128) e = \"%\" + c.toString(16).toUpperCase();\n\telse if (c
< 2048) e = \"%\" + ((c >> 6) | 192).toString(16).toUpperCase() + \"%\" + ((c & 63) |
128).toString(16).toUpperCase();\n\telse e = \"%\" + ((c >> 12) | 224).toString(16).toUpperCase() + \"%\" + (((c >>
6) & 63) | 128).toString(16).toUpperCase() + \"%\" + ((c & 63) | 128).toString(16).toUpperCase();\n\treturn
e;\n}\n\nexport function pctDecChars(str:string):string {\n\tlet newStr = \"\";\n\tlet i
= 0;\n\tconst il = str.length;\n\twhile (i < il) {\n\t\tconst c = parseInt(str.substr(i + 1, 2), 16);\n\t\tif (c < 128)
{\n\t\t\tnewStr += String.fromCharCode(c);\n\t\t\ti += 3;\n\t\t}\n\t\telse if (c >= 194 && c < 224) {\n\t\t\tif ((il - i)
>= 6) {\n\t\t\t\tconst c2 = parseInt(str.substr(i + 4, 2), 16);\n\t\t\t\tnewStr += String.fromCharCode(((c & 31) << 6) |
(c2 & 63));\n\t\t\t\t} else {\n\t\t\t\t\tnewStr += str.substr(i, 6);\n\t\t\t\t\ti += 6;\n\t\t\t\t}\n\t\t\telse if (c >= 224) {\n\t\t\t\t\tif
((il - i) >= 9) {\n\t\t\t\t\t\tconst c2 = parseInt(str.substr(i + 4, 2), 16);\n\t\t\t\t\t\tconst c3 = parseInt(str.substr(i + 7, 2),
16);\n\t\t\t\t\t\tnewStr += String.fromCharCode(((c & 15) << 12) | ((c2 & 63) << 6) | (c3 & 63));\n\t\t\t\t\t\t} else
{\n\t\t\t\t\t\t\tnewStr += str.substr(i, 9);\n\t\t\t\t\t\t\ti += 9;\n\t\t\t\t\t\t}\n\t\t\t\t\telse {\n\t\t\t\t\t\t\tnewStr += str.substr(i, 3);\n\t\t\t\t\t\t\ti +=
3;\n\t\t\t\t\t\t}\n\t\t\t\t}\n\t\t}\n\t\treturn newStr;\n\t}\n\nfunction _normalizeComponentEncoding(components:URIComponents,
protocol:URIRegExps) {\n\tfunction
decodeUnreserved(str:string):string {\n\t\tconst decStr = pctDecChars(str);\n\t\treturn
(!decStr.match(protocol.UNRESERVED) ? str : decStr);\n\t}\n\tif (components.scheme) components.scheme =
String(components.scheme).replace(protocol.PCT_ENCODED,
decodeUnreserved).toLowerCase().replace(protocol.NOT_SCHEME, \"\");\n\tif (components userinfo !==
undefined) components userinfo = String(components userinfo).replace(protocol.PCT_ENCODED,
decodeUnreserved).replace(protocol.NOT_USERINFO, pctEncChar).replace(protocol.PCT_ENCODED,
toUpperCase);\n\tif (components.host !== undefined) components.host =
String(components.host).replace(protocol.PCT_ENCODED,
decodeUnreserved).toLowerCase().replace(protocol.NOT_HOST, pctEncChar).replace(protocol.PCT_ENCODED,
toUpperCase);\n\tif (components.path !== undefined) components.path =
String(components.path).replace(protocol.PCT_ENCODED, decodeUnreserved).replace((components.scheme ?
protocol.NOT_PATH : protocol.NOT_PATH_NOScheme), pctEncChar).replace(protocol.PCT_ENCODED,
toUpperCase);\n\tif (components.query !== undefined) components.query =
String(components.query).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_QUERY,
pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);\n\tif (components.fragment !== undefined)
components.fragment = String(components.fragment).replace(protocol.PCT_ENCODED,
decodeUnreserved).replace(protocol.NOT_FRAGMENT, pctEncChar).replace(protocol.PCT_ENCODED,
toUpperCase);\n\treturn components;\n\t}\n\nfunction _stripLeadingZeros(str:string):string {\n\treturn
str.replace(/^0*(.*)/, \"\$1\");\n\t}\n\nfunction _normalizeIPv4(host:string, protocol:URIRegExps):string
{\n\tconst matches = host.match(protocol.IPV4ADDRESS) || [];\n\tconst [, address] = matches;\n\tif (address)
{\n\t\treturn address.split(\".\").map(_stripLeadingZeros).join(\".\");\n\t}\n\t}\n\nfunction
_normalizeIPv6(host:string, protocol:URIRegExps):string {\n\tconst matches =
host.match(protocol.IPV6ADDRESS)
|| [];\n\tconst [, address, zone] = matches;\n\tif (address) {\n\t\tconst [last, first] =
address.toLowerCase().split(\"::\").reverse();\n\t\tconst firstFields = first ? first.split(\".\").map(_stripLeadingZeros) :
[];\n\t\tconst lastFields = last.split(\".\").map(_stripLeadingZeros);\n\t\tconst isLastFieldIPv4Address =
protocol.IPV4ADDRESS.test(lastFields[lastFields.length - 1]);\n\t\tconst fieldCount = isLastFieldIPv4Address ? 7 :
8;\n\t\tconst lastFieldsStart = lastFields.length - fieldCount;\n\t\tconst fields = Array<string>(fieldCount);\n\t\tfor
(let x = 0; x < fieldCount; ++x) {\n\t\t\tfields[x] = firstFields[x] || lastFields[lastFieldsStart + x] || \"\";\n\t\t}\n\t\tif
(isLastFieldIPv4Address) {\n\t\t\tfields[fieldCount - 1] = _normalizeIPv4(fields[fieldCount - 1],
protocol);\n\t\t}\n\t\tconst allZeroFields = fields.reduce<Array<{index:number,length:number}>>((acc, field,
index) => {\n\t\t\tif (!field || field === \"0\") {\n\t\t\t\tconst lastLongest = acc[acc.length
- 1];\n\t\t\t\tif (lastLongest && lastLongest.index + lastLongest.length === index)
{\n\t\t\t\t\tlastLongest.length++;\n\t\t\t\t\t} else {\n\t\t\t\t\t\tacc.push({ index, length : 1 });\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\treturn

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acc;\n\t\t, []);\n\n\t\tconst longestZeroFields = allZeroFields.sort((a, b) => b.length - a.length)[0];\n\n\t\tlet
newHost:string;\n\n\t\tif (longestZeroFields && longestZeroFields.length > 1) {\n\n\t\t\tconst newFirst = fields.slice(0,
longestZeroFields.index) ;\n\n\t\t\tconst newLast = fields.slice(longestZeroFields.index +
longestZeroFields.length);\n\n\t\t\tnewHost = newFirst.join("\\:\\") + \"::" + newLast.join("\\:");\n\n\t\t} else
{\n\n\t\t\tnewHost = fields.join("\\:");\n\n\t\t}\n\n\t\tif (zone) {\n\n\t\t\tnewHost += \"%\" + zone;\n\n\t\t}\n\n\t\treturn
newHost;\n\n\t} else {\n\n\t\treturn host;\n\n\t}\n\n\n\t\tconst URI_PARSE =
/^(?:([^\v?#]+):)?(?:\\v\\v(?:([^\v?#@]*)(?:\\v\\v(?:[^\v?#\\v\\v]+)\\v\\v[^\v?#]*)(?:\\:(\\d*))?)?)?(?:[#](?:
.\\v\\v\\v\\v*))?/i;\n\n\t\tconst NO_MATCH_IS_UNDEFINED
= (<RegExpMatchArray>(\"").match(/(){})) [1] === undefined;\n\n\t\texport function parse(uriString:string,
options:URIOptions = {}):URIComponents {\n\n\t\t\tconst components:URIComponents = {};\n\n\t\t\tconst protocol =
(options.iri !== false ? IRI_PROTOCOL : URI_PROTOCOL);\n\n\t\t\tif (options.reference === \"suffix\") uriString =
(options.scheme ? options.scheme + \":\" : \"\") + \"//\" + uriString;\n\n\t\t\tconst matches =
uriString.match(URI_PARSE);\n\n\t\t\tif (matches) {\n\n\t\t\t\tif (NO_MATCH_IS_UNDEFINED) {\n\n\t\t\t\t\t//store each
component\n\n\t\t\t\t\tcomponents.scheme = matches[1];\n\n\t\t\t\t\tcomponents userinfo = matches[3];\n\n\t\t\t\t\tcomponents.host
= matches[4];\n\n\t\t\t\t\tcomponents.port = parseInt(matches[5], 10);\n\n\t\t\t\t\tcomponents.path = matches[6] ||
\"\";\n\n\t\t\t\t\tcomponents.query = matches[7];\n\n\t\t\t\t\tcomponents.fragment = matches[8];\n\n\t\t\t\t\t//fix port
number\n\n\t\t\t\t\tif (isNaN(components.port)) {\n\n\t\t\t\t\t\tcomponents.port = matches[5];\n\n\t\t\t\t\t}\n\n\t\t\t\t\t} else { //IE FIX for
improper RegExp matching\n\n\t\t\t\t\t//store
each component\n\n\t\t\t\t\tcomponents.scheme = matches[1] || undefined;\n\n\t\t\t\t\tcomponents userinfo =
(uriString.indexOf(\"@\") !== -1 ? matches[3] : undefined);\n\n\t\t\t\t\tcomponents.host = (uriString.indexOf(\"//\") !== -
1 ? matches[4] : undefined);\n\n\t\t\t\t\tcomponents.port = parseInt(matches[5], 10);\n\n\t\t\t\t\tcomponents.path = matches[6]
|| \"\";\n\n\t\t\t\t\tcomponents.query = (uriString.indexOf(\"?\") !== -1 ? matches[7] :
undefined);\n\n\t\t\t\t\tcomponents.fragment = (uriString.indexOf(\"#\") !== -1 ? matches[8] : undefined);\n\n\t\t\t\t\t//fix
port number\n\n\t\t\t\t\tif (isNaN(components.port)) {\n\n\t\t\t\t\t\tcomponents.port =
(uriString.match(/\\v\\v(?:\\.\\v\\v)*\\:(?:\\v\\v\\v\\v|\\v\\v\\v\\v$)/) ? matches[4] : undefined);\n\n\t\t\t\t\t}\n\n\t\t\t\t\t}\n\n\t\t\t\t\tif (components.host)
{\n\n\t\t\t\t\t\t//normalize IP hosts\n\n\t\t\t\t\t\tcomponents.host = _normalizeIPv6(_normalizeIPv4(components.host, protocol),
protocol);\n\n\t\t\t\t\t}\n\n\t\t\t\t\t//determine reference type\n\n\t\t\t\t\tif (components.scheme === undefined &&
components userinfo === undefined && components.host
=== undefined && components.port === undefined && !components.path && components.query === undefined)
{\n\n\t\t\t\t\t\tcomponents.reference = \"same-document\";\n\n\t\t\t\t\t}\n\n\t\t\t\t\telse if (components.scheme === undefined)
{\n\n\t\t\t\t\t\tcomponents.reference = \"relative\";\n\n\t\t\t\t\t}\n\n\t\t\t\t\telse if (components.fragment === undefined)
{\n\n\t\t\t\t\t\tcomponents.reference = \"absolute\";\n\n\t\t\t\t\t}\n\n\t\t\t\t\telse {\n\n\t\t\t\t\t\tcomponents.reference = \"uri\";\n\n\t\t\t\t\t}\n\n\t\t\t\t\t}\n\n\t\t\t\t\t//check
for reference errors\n\n\t\t\t\t\tif (options.reference && options.reference !== \"suffix\" && options.reference !==
components.reference) {\n\n\t\t\t\t\t\tcomponents.error = components.error || \"URI is not a \" + options.reference + \"
reference.\";\n\n\t\t\t\t\t}\n\n\t\t\t\t\t//find scheme handler\n\n\t\t\t\t\tconst schemeHandler = SCHEMES[(options.scheme ||
components.scheme || \"\").toLowerCase()];\n\n\t\t\t\t\t//check if scheme can't handle IRIs\n\n\t\t\t\t\tif (!options.unicodeSupport && (!schemeHandler || !schemeHandler.unicodeSupport)) {\n\n\t\t\t\t\t\t//if host component is a
domain name\n\n\t\t\t\t\t\tif (components.host &&
(options.domainHost || (schemeHandler && schemeHandler.domainHost))) {\n\n\t\t\t\t\t\t\t//convert Unicode IDN ->
ASCII IDN\n\n\t\t\t\t\t\t\ttry {\n\n\t\t\t\t\t\t\t\tcomponents.host =
punycode.toASCII(components.host.replace(protocol.PCT_ENCODED, pctDecChars).toLowerCase());\n\n\t\t\t\t\t\t\t} catch (e) {\n\n\t\t\t\t\t\t\t\tcomponents.error = components.error || \"Host's domain name can not be converted to ASCII via
punycode: \" + e;\n\n\t\t\t\t\t\t\t}\n\n\t\t\t\t\t\t\t//convert IRI -> URI\n\n\t\t\t\t\t\t\t_normalizeComponentEncoding(components,
URI_PROTOCOL);\n\n\t\t\t\t\t\t} else {\n\n\t\t\t\t\t\t\t//normalize encodings\n\n\t\t\t\t\t\t\t_normalizeComponentEncoding(components,
protocol);\n\n\t\t\t\t\t\t}\n\n\t\t\t\t\t\t//perform scheme specific parsing\n\n\t\t\t\t\t\tif (schemeHandler && schemeHandler.parse)
{\n\n\t\t\t\t\t\t\tschemeHandler.parse(components, options);\n\n\t\t\t\t\t\t}\n\n\t\t\t\t\t\t} else {\n\n\t\t\t\t\t\t\tcomponents.error = components.error ||
\"URI can not be parsed.\";\n\n\t\t\t\t\t\t}\n\n\t\t\t\t\t\t}\n\n\t\t\t\t\t\treturn components;\n\n\t\t\t\t\t}\n\n\t\t\t\t\t}function
_recomposeAuthority(components:URIComponents, options:URIOptions):string|undefined {\n\n\t\t\t\t\tconst protocol =

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{\n\t\tresult[length] = fn(array[length]);\n\t}\n\treturn result;\n}\n\n/**\n * A simple `Array#map`-like wrapper to
work with domain name strings or email\n * addresses.\n * @private\n * @param
{String} domain The domain name or email address.\n * @param {Function} callback The function that gets called
for every\n * character.\n * @returns {Array} A new string of characters returned by the callback\n * function.\n
*/\nfunction mapDomain(string, fn) {\n\tconst parts = string.split('@');\n\tlet result = '';\n\tif (parts.length > 1)
{\n\t\t// In email addresses, only the domain name should be punyencoded. Leave\n\t\t// the local part (i.e. everything
up to `@`) intact.\n\t\tresult = parts[0] + '@';\n\t\tstring = parts[1];\n\t}\n\t// Avoid `split(regex)` for IE8
compatibility. See #17.\n\tstring = string.replace(regexSeparators, '\\x2E');\n\tconst labels = string.split('.');\n\tconst
encoded = map(labels, fn).join('.');\n\treturn result + encoded;\n}\n\n/**\n * Creates an array containing the numeric
code points of each Unicode\n * character in the string. While JavaScript uses UCS-2 internally,\n * this function
will convert a pair of surrogate halves (each of which\n * UCS-2 exposes
as separate characters) into a single code point,\n * matching UTF-16.\n * @see `punycode.ucs2.encode`\n * @see
<https://mathiasbynens.be/notes/javascript-encoding>\n * @memberOf punycode.ucs2\n * @name decode\n *
@param {String} string The Unicode input string (UCS-2).\n * @returns {Array} The new array of code points.\n
*/\nfunction ucs2decode(string) {\n\tconst output = [];\n\tlet counter = 0;\n\tconst length = string.length;\n\twhile
(counter < length) {\n\t\tconst value = string.charCodeAt(counter++);\n\t\tif (value >= 0xD800 && value <=
0xDBFF && counter < length) {\n\t\t\t// It's a high surrogate, and there is a next character.\n\t\t\tconst extra =
string.charCodeAt(counter++);\n\t\t\tif ((extra & 0xFC00) == 0xDC00) { // Low
surrogate.\n\t\t\t\toutput.push(((value & 0x3FF) << 10) + (extra & 0x3FF) + 0x10000);\n\t\t\t} else {\n\t\t\t\t// It's an
unmatched surrogate; only append this code unit, in case the\n\t\t\t\t// next code unit is the high surrogate of a
surrogate pair.\n\t\t\t\toutput.push(value);\n\t\t\t\tcounter--;\n\t\t\t}\n\t\t}
else {\n\t\t\toutput.push(value);\n\t\t}\n\t}\n\treturn output;\n}\n\n/**\n * Creates a string based on an array of
numeric code points.\n * @see `punycode.ucs2.decode`\n * @memberOf punycode.ucs2\n * @name encode\n *
@param {Array} codePoints The array of numeric code points.\n * @returns {String} The new Unicode string
(UCS-2).\n */\nconst ucs2encode = array => String.fromCodePoint(...array);\n\n/**\n * Converts a basic code point
into a digit/integer.\n * @see `digitToBasic()`\n * @private\n * @param {Number} codePoint The basic numeric
code point value.\n * @returns {Number} The numeric value of a basic code point (for use in\n * representing
integers) in the range `0` to `base - 1`, or `base` if\n * the code point does not represent a value.\n */\nconst
basicToDigit = function(codePoint) {\n\tif (codePoint - 0x30 < 0x0A) {\n\t\treturn codePoint - 0x16;\n\t}\n\tif
(codePoint - 0x41 < 0x1A) {\n\t\treturn codePoint - 0x41;\n\t}\n\tif
(codePoint - 0x61 < 0x1A) {\n\t\treturn codePoint - 0x61;\n\t}\n\treturn base;\n};\n\n/**\n * Converts a
digit/integer into a basic code point.\n * @see `basicToDigit()`\n * @private\n * @param {Number} digit The
numeric value of a basic code point.\n * @returns {Number} The basic code point whose value (when used for\n *
representing integers) is `digit`, which needs to be in the range\n * `0` to `base - 1`. If `flag` is non-zero, the
uppercase form is\n * used; else, the lowercase form is used. The behavior is undefined\n * if `flag` is non-zero and
`digit` has no uppercase form.\n */\nconst digitToBasic = function(digit, flag) {\n\t// 0..25 map to ASCII a..z or
A..Z\n\t// 26..35 map to ASCII 0..9\n\treturn digit + 22 + 75 * (digit < 26) - ((flag != 0) << 5);\n};\n\n/**\n * Bias
adaptation function as per section 3.4 of RFC 3492.\n * https://tools.ietf.org/html/rfc3492#section-3.4\n *
@param {Number} delta\n * @private\n */\nconst adapt = function(delta, numPoints, firstTime) {\n\tlet k = 0;\n\tconst
damp = firstTime ? floor(delta / damp) : delta >> 1;\n\tconst delta += floor(delta / numPoints);\n\tfor (/* no initialization */;
delta > baseMinusTMin * tMax >> 1; k += base) {\n\t\tconst delta = floor(delta / baseMinusTMin);\n\t}\n\treturn floor(k
+ (baseMinusTMin + 1) * delta / (delta + skew));\n};\n\n/**\n * Converts a Punycode string of ASCII-only symbols
to a string of Unicode\n * symbols.\n * @memberOf punycode\n * @param {String} input The Punycode string of
ASCII-only symbols.\n * @returns {String} The resulting string of Unicode symbols.\n */\nconst decode =
function(input) {\n\t// Don't use UCS-2.\n\tconst output = [];\n\tconst inputLength = input.length;\n\tlet i = 0;\n\tlet n
= initialN;\n\tlet bias = initialBias;\n\t// Handle the basic code points: let `basic` be the number of input code\n\t//
points before the last delimiter, or `0` if there is none, then copy\n\t// the first basic code points to the output.\n\tlet
basic = input.lastIndexOf(delimiter);\n\tif (basic < 0) {\n\t\tbasic

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= 0;
for (let j = 0; j < basic; ++j) {
 if it's not a basic code point (input.charCodeAt(j) >= 0x80)
 throw('not-basic');
 output.push(input.charCodeAt(j));
}
// Main decoding loop: start just after
the last delimiter if any basic code points were copied; start at the beginning otherwise.
for (let index =
basic > 0 ? basic + 1 : 0; index < inputLength; /* no final expression */) {
 `index` is the index of the next
character to be consumed.
 Decode a generalized variable-length integer into `delta`,
 which gets added to
 `i`. The overflow checking is easier
 if we increase `i` as we go, then subtract off its starting
 value at the
 end to obtain `delta`.
 let oldi = i;
 for (let w = 1, k = base; /* no condition */; k += base) {
 if (index >=
inputLength)
 throw('invalid-input');
 const digit =
basicToDigit(input.charCodeAt(index++));

 (digit >= base || digit > floor((maxInt - i) / w))
 throw('overflow');
 i += digit * w;
 const t
= k <= bias ? tMin : (k >= bias + tMax ? tMax : k - bias);
 if (digit < t)
 throw('break');
 const
baseMinusT = base - t;
 if (w > floor(maxInt / baseMinusT))
 throw('overflow');
 const tw *=
baseMinusT;
 const out = output.length + 1;
 bias = adapt(i - oldi, out, oldi === 0);
 // `i` was
supposed to wrap around from `out` to `0`,
 incrementing `n` each time, so we'll fix that now:
 if (floor(i /
out) > maxInt - n)
 throw('overflow');
 tn += floor(i / out);
 i %= out;
 // Insert `n` at
position `i` of the output.
 output.splice(i++, 0, n);
 }
 return
String.fromCodePoint(...output);
}
// Converts a string of Unicode symbols (e.g. a domain name label) to
a Punycode string of ASCII-only symbols.
@memberOf punycode
* @param {String} input The string of Unicode symbols.
* @returns {String} The resulting Punycode string of
ASCII-only symbols.
const encode = function(input) {
 const output = [];
 // Convert the input in UCS-2
to an array of Unicode code points.
 input = ucs2decode(input);
 // Cache the length.
 let inputLength =
input.length;
 // Initialize the state.
 let n = initialN;
 let delta = 0;
 let bias = initialBias;
 // Handle the
basic code points.
 for (const currentValue of input) {
 if (currentValue < 0x80)
 output.push(stringFromCharCode(currentValue));
 }
 let basicLength = output.length;
 let handledCPCount = basicLength;
 // `handledCPCount` is the number of code points that have been handled;
 // `basicLength` is the number of basic code points.
 // Finish the basic string with a delimiter unless it's
empty.
 if (basicLength)
 output.push(delimiter);
 // Main encoding loop:
 while (handledCPCount < inputLength)
 // All non-basic code points < n have been handled already. Find the
next
 larger one:
 let m = maxInt;
 for (const currentValue of input) {
 if (currentValue >= n &&
currentValue < m) {
 tm = currentValue;
 }
 }
 // Increase `delta` enough to advance the decoder's
<n,i> state to <m,0>,
 but guard against overflow.
 const handledCPCountPlusOne = handledCPCount +
1;
 if (m - n > floor((maxInt - delta) / handledCPCountPlusOne))
 throw('overflow');
 delta +=
(m - n) * handledCPCountPlusOne;
 tn = m;
 for (const currentValue of input) {
 if (currentValue < n
&& ++delta > maxInt)
 throw('overflow');
 if (currentValue === n)
 // Represent delta as a
generalized variable-length integer.
 let q = delta;
 for (let k = base; /* no condition */; k += base)
 const t
= k <= bias ? tMin : (k >= bias + tMax
? tMax : k - bias);
 if (q < t)
 throw('break');
 const
qMinusT = q - t;
 const
baseMinusT = base - t;
 output.push(stringFromCharCode(digitToBasic(t + qMinusT %
baseMinusT, 0)));
 tq = floor(qMinusT /
baseMinusT);
 output.push(stringFromCharCode(digitToBasic(q, 0)));
 bias = adapt(delta,
handledCPCountPlusOne, handledCPCount === basicLength);
 delta =
0;
 ++handledCPCount;
 ++delta;
 ++n;
 }
 return output.join('');
 }
 }
 // Converts a Punycode string representing a domain name or an email address
to Unicode. Only the Punycoded
parts of the input will be converted, i.e.
it doesn't matter if you call it on a string that has already been
converted to Unicode.
@memberOf punycode
* @param {String} input The Punycoded domain name or
email address to
convert to Unicode.
* @returns {String} The
Unicode representation of the given Punycode
string.
const toUnicode = function(input) {
 return
mapDomain(input, function(string) {
 return
regexPunycode.test(string)
 })
}

```







```

\'"$%\',\n\t\tAUTHORITY_REF$ = \'^\' + subexp(\'(\(' + USERINFO$ + \')@\') + \'?(\(' + HOST$ + \')\' +
subexp(\'\:\:\:(\' + PORT$ + \')\') + \'?$\' \n\t;\n\t\treturn {\n\t\t\tNOT_SCHEME : new RegExp(merge(\'[^\']\'),
ALPHA$$, DIGIT$$, \'[\:\|\|+|\|-\|\|.]\'), \'g\'),\n\t\t\tNOT_USERINFO : new RegExp(merge(\'[^\|\|%\|\|:]\'),
UNRESERVED$$, SUB_DELIMSS$$), \'g\'),\n\t\t\tNOT_HOST : new RegExp(merge(\'[^\|\|%\|\|[\:\|\|]\|\|:]\'),
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\')\')\' + subexp(subexp(\'\|\|\|\|25\|\|\|\|(?!\' + HEXDIG$$ + \'{2}\')\') + \'(\(' + ZONEID$ + \')\')\' + \'?[\|\|]?$\')
//RFC 6874, with relaxed parsing rules\n\t};\n}\n\n\nexport default buildExps(false);\n", "export function
merge(...sets:Array<string>):string
{\n\t\tif (sets.length > 1) {\n\t\t\tsets[0] = sets[0].slice(0, -1);\n\t\t\tconst xl = sets.length - 1;\n\t\t\tfor (let x = 1; x < xl;
++x) {\n\t\t\t\tsets[x] = sets[x].slice(1, -1);\n\t\t\t\tsets[xl] = sets[xl].slice(1);\n\t\t\t\treturn sets.join("");\n\t\t\t} else
{\n\t\t\t\treturn sets[0];\n\t\t\t}\n}\n\n\nexport function subexp(str:string):string {\n\t\treturn \'(?:\' + str + \')\';\n}\n\n\nexport
function typeOf(o:any):string {\n\t\treturn o === undefined ? "undefined" : (o === null ? "null" :
Object.prototype.toString.call(o).split(\' \').pop().split(\'\').shift().toLowerCase());\n}\n\n\nexport function
toUpperCase(str:string):string {\n\t\treturn str.toUpperCase();\n}\n\n\nexport function toArray(obj:any):Array<any>
{\n\t\treturn obj !== undefined && obj !== null ? (obj instanceof Array ? obj : (typeof obj.length !== "number" ||
obj.split || obj.setInterval || obj.call ? [obj] : Array.prototype.slice.call(obj))) : [];\n}\n\n\nexport function
assign(target: object, source: any): any {\n\t\tconst obj = target as
any;\n\t\tif (source) {\n\t\t\tfor (const key in source) {\n\t\t\t\tobj[key] = source[key];\n\t\t\t}\n\t\t}\n\t\treturn
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No license file was found, but licenses were detected in source scan.

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AO+J,EAAG7P,KAAK,QAGrB+P,GAAUH,EAAiBG,QAAUH,EAAiBG,WA ExDH,GAAiBO,UAA SJ,EAAA,QA  
AqBH,EAAiBO,SACheP,EAAiBQ,OAAML,EAAA,KAAkBH,EAAiBQ,SAExD3I,UACD,GAAMIj,KAAQX,GA  
CdA,EAAQW,KAAUnB,GA AEmB,MACbXmM,KACnWm,EAAKhN,QAAQ8B,GAAaL,GA AkBzB,QAAQ8B,G  
AAa1E,GAAa4C,QAAQgM,GAAYvL,GACIG,IACA4L,EAAQW,GAAMhN,QAAQ8B,GAAaL,GA AkBzB,QA A  
Q8B,GAAa1E,GAAa4C,QAAQiM,GAAaxL,UAI3GsD,GAAO7H,WACCqG,MAAQwB,EAAOzH,KAAK,MAGz  
BiF,II/JH0L,GAAY,kBAIZtB,WACI,YAED,SAAUpK,EAA0BwD,MACrCIC,GAAUtB,EAAWa,MAAQb,EAAW  
a,KAAKT,MAAMsL,IACrDC,EAAgB3L,KAehBsB,EAAS,IACNhB,GAASKD,EAAQID,QAAUqL,EAACrL,QA A  
U,MACnDsL,EAAMtK,EAAQ,GAAG1F,cACjBiQ,EAAMvK,EAAQ,GACdwK,EAAexL,EAAf,KAAyBkD,EAA  
QoI,KAAOA,GACxC1H,EAAgBC,EAAQ2H,KAehBF,IAAMA,IACNC,IAAMA,IACNhL,KAAOzF,UAEjB8I,M  
ACaA,EAACZ,MAAMqI,EAAenI,WAGtC1F,MAAQ6N,EAAc7N,OAAS,+BAGvC6N,cAGI,SAUA,EAA6BnI,  
MAC5CID,GAASKD,EAAQID,QAAUqL,EAACrL,QAAU,MACnDsL,EAAMD,EAAC,IACpBE,EAAexL,EAAf,  
KAAyBkD,EAAQoI,KAAOA,GACxC1H,EAAgBC,EAAQ2H,EAE1B5H,OACaA,EAACqB,UAAUoG,EAAenI,O  
AGIDuI,GAAGBJ,EACbBE,EAAMF,EAACe,aACZhL,MAAU+K,GAAOpI,EAAQoI,KAAvC,IAA8CC,EA EvCE,I  
CxDHC,GAAO,2DAIP5B,WACI,iBAED,SAAUuB,EAA6BnI,MACxCyI,GAAiBN,WACRO,KAAOD,EAAeJ,MA  
CtBA,IAAMzQ,UAEhBoI,EAAQwC,UAAciG,EAAeC,MAASD,EAAeC,KAAK9L,MAAM4L,QAC7DIO,MAAQ  
mO,EAAenO,OAAS,sBAGzCmO,aAGI,SAUA,EAA+BzI,MAC9CmI,GAAGBM,WAERJ,KAAOI,EAAeC,MAA





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ALPHA$$, DIGIT$$, \"[\\\\+\\\\-\\\\.\\\\]\", \"g\"),\\n\\t\\tNOT_USERINFO : new RegExp(merge(\"^[\\\\\\\\%\\\\\\\\:]\",
UNRESERVED$$, SUB_DELIMS$$), \"g\"),\\n\\t\\tNOT_HOST : new RegExp(merge(\"^[\\\\\\\\%\\\\\\\\[\\\\\\\\]\\\\\\\\:]\",
UNRESERVED$$, SUB_DELIMS$$), \"g\"),\\n\\t\\tNOT_PATH : new RegExp(merge(\"^[\\\\\\\\%\\\\\\\\\\\\\\\\\\\\\\\\:]@\"),
UNRESERVED$$, SUB_DELIMS$$), \"g\"),\\n\\t\\tNOT_PATH_NOSHEME : new
RegExp(merge(\"^[\\\\\\\\%\\\\\\\\\\\\\\\\\\\\\\\\@]\", UNRESERVED$$, SUB_DELIMS$$), \"g\"),\\n\\t\\tNOT_QUERY : new
RegExp(merge(\"^[\\\\\\\\%\\\\\\\\]\", UNRESERVED$$, SUB_DELIMS$$, \"[\\\\\\\\:\\\\\\\\@\\\\\\\\\\\\\\\\\\\\\\\\?]\", IPRIVATE$$),
\"g\"),\\n\\t\\tNOT_FRAGMENT : new RegExp(merge(\"^[\\\\\\\\%\\\\\\\\]\", UNRESERVED$$, SUB_DELIMS$$,
\"[\\\\\\\\:\\\\\\\\@\\\\\\\\\\\\\\\\\\\\\\\\?]\", \"g\"),\\n\\t\\tESCAPE
: new RegExp(merge(\"^[\\\\]\", UNRESERVED$$, SUB_DELIMS$$), \"g\"),\\n\\t\\tUNRESERVED : new
RegExp(UNRESERVED$$, \"g\"),\\n\\t\\tOTHER_CHARS : new RegExp(merge(\"^[\\\\\\\\%\\\\\\\\]\", UNRESERVED$$,
RESERVED$$), \"g\"),\\n\\t\\tPCT_ENCODED : new RegExp(PCT_ENCODED$, \"g\"),\\n\\t\\tIPV4ADDRESS : new
RegExp(\"^(\" + IPV4ADDRESS$ + \")$\"),\\n\\t\\tIPV6ADDRESS : new RegExp(\"^\\\\\\\\[?(\" + IPV6ADDRESS$ +
\\\\)\" + subexp(subexp(\"\\\\\\\\%25\\\\\\\\%(?!\" + HEXDIG$$ + \">{2}\")) + \\\\" + ZONEID$ + \\\")\" + \\\"?\\\\\\\\]?$\"))
//RFC 6874, with relaxed parsing rules\\n\\t;\\n\\n\\nexport default buildExps(false);\\n\", \"use strict;\\n\\n/** Highest
positive signed 32-bit float value *\\n\\nconst maxInt = 2147483647; // aka. 0x7FFFFFFF or 2^31-1\\n\\n/** Bootstring
parameters *\\n\\nconst base = 36;\\n\\nconst tMin = 1;\\n\\nconst tMax = 26;\\n\\nconst skew = 38;\\n\\nconst damp = 700;\\n\\nconst
initialBias = 72;\\n\\nconst initialN = 128; // 0x80\\n\\nconst delimiter = '-'; // '\\x2D'\\n\\n/** Regular expressions *\\n\\nconst
regexPunycode = /^xn--/;\\n\\nconst regexNonASCII
= /^[^\\0-\\x7E]/; // non-ASCII chars\\n\\nconst regexSeparators = /[\x2E\u3002\uFF0E\uFF61]/g; // RFC 3490
separators\\n\\n/** Error messages *\\n\\nconst errors = {\\n\\t'overflow': 'Overflow: input needs wider integers to
process',\\n\\t'not-basic': 'Illegal input >= 0x80 (not a basic code point)',\\n\\t'invalid-input': 'Invalid input'\\n};\\n\\n/**
Convenience shortcuts *\\n\\nconst baseMinusTMin = base - tMin;\\n\\nconst floor = Math.floor;\\n\\nconst
stringFromCharCode = String.fromCharCode;\\n\\n/*-----
*\\n\\n/** * A generic error utility function.\\n * @private\\n * @param {String} type The error type.\\n * @returns
{Error} Throws a `RangeError` with the applicable error message.\\n *\\nfunction error(type) {\\n\\tthrow new
RangeError(errors[type]);\\n}\\n\\n/** * A generic `Array#map` utility function.\\n * @private\\n * @param {Array}
array The array to iterate over.\\n * @param {Function} callback The function that gets called for every
array\\n * item.\\n * @returns {Array} A new array of values returned by the callback function.\\n *\\nfunction
map(array, fn) {\\n\\tconst result = [];\\n\\tlet length = array.length;\\n\\twhile (length--) {\\n\\t\\tresult[length] =
fn(array[length]);\\n\\t}\\n\\treturn result;\\n}\\n\\n/** * A simple `Array#map`-like wrapper to work with domain name
strings or email\\n * addresses.\\n * @private\\n * @param {String} domain The domain name or email address.\\n *
@param {Function} callback The function that gets called for every\\n * character.\\n * @returns {Array} A new
string of characters returned by the callback\\n * function.\\n *\\nfunction mapDomain(string, fn) {\\n\\tconst parts =
string.split('@');\\n\\tlet result = '';\\n\\tif (parts.length > 1) {\\n\\t\\t// In email addresses, only the domain name should be
punycoded. Leave\\n\\t\\t// the local part (i.e. everything up to `@`) intact.\\n\\t\\tresult = parts[0] + '@';\\n\\t\\tstring =
parts[1];\\n\\t}\\n\\t\\t// Avoid `split(regex)` for IE8 compatibility. See #17.\\n\\tstring
= string.replace(regexSeparators, '\\x2E');\\n\\tconst labels = string.split('.');\\n\\tconst encoded = map(labels,
fn).join('.');\\n\\treturn result + encoded;\\n}\\n\\n/** * Creates an array containing the numeric code points of each
Unicode\\n * character in the string. While JavaScript uses UCS-2 internally,\\n * this function will convert a pair of
surrogate halves (each of which\\n * UCS-2 exposes as separate characters) into a single code point,\\n * matching
UTF-16.\\n * @see `punycode.ucs2.encode`\\n * @see <https://mathiasbynens.be/notes/javascript-encoding>\\n *
@memberOf punycode.ucs2\\n * @name decode\\n * @param {String} string The Unicode input string (UCS-2).\\n *
@returns {Array} The new array of code points.\\n *\\nfunction ucs2decode(string) {\\n\\tconst output = [];\\n\\tlet
counter = 0;\\n\\tconst length = string.length;\\n\\twhile (counter < length) {\\n\\t\\tconst value =
string.charCodeAt(counter++);\\n\\t\\tif (value >= 0xD800 && value <= 0xDBFF && counter < length) {\\n\\t\\t\\t// It's a
high
surrogate, and there is a next character.\\n\\t\\t\\tconst extra = string.charCodeAt(counter++);\\n\\t\\t\\tif ((extra &
0xFC00) == 0xDC00) { // Low surrogate.\\n\\t\\t\\t\\toutput.push(((value & 0x3FF) << 10) + (extra & 0x3FF) +

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0x10000);\n\t\t\t} else {\n\t\t\t\t// It's an unmatched surrogate; only append this code unit, in case the\n\t\t\t\t// next
code unit is the high surrogate of a surrogate pair.\n\t\t\t\toutput.push(value);\n\t\t\t\tcounter--;\n\t\t\t\t}\n\t\t\t} else
{\n\t\t\t\toutput.push(value);\n\t\t\t\t}\n\t\t\t}\n\t\t\treturn output;\n\t\t}\n\n/**\n * Creates a string based on an array of numeric
code points.\n * @see `punycode.ucs2.decode`\n * @memberOf punycode.ucs2\n * @name encode\n * @param
{Array} codePoints The array of numeric code points.\n * @returns {String} The new Unicode string (UCS-2).\n
*/\nconst ucs2encode = array => String.fromCodePoint(...array);\n\n/**\n * Converts a basic code point into a
digit/integer.\n * @see `digitToBasic()`\n * @private\n * @param {Number} codePoint The basic numeric
code point value.\n * @returns {Number} The numeric value of a basic code point (for use in\n * representing
integers) in the range `0` to `base - 1`, or `base` if\n * the code point does not represent a value.\n */\nconst
basicToDigit = function(codePoint) {\n\t\t\tif (codePoint - 0x30 < 0x0A) {\n\t\t\t\treturn codePoint - 0x16;\n\t\t\t}\n\t\t\tif
(codePoint - 0x41 < 0x1A) {\n\t\t\t\treturn codePoint - 0x41;\n\t\t\t}\n\t\t\tif (codePoint - 0x61 < 0x1A) {\n\t\t\t\treturn
codePoint - 0x61;\n\t\t\t}\n\t\t\treturn base;\n\t\t};\n\n/**\n * Converts a digit/integer into a basic code point.\n * @see
`basicToDigit()`\n * @private\n * @param {Number} digit The numeric value of a basic code point.\n * @returns
{Number} The basic code point whose value (when used for\n * representing integers) is `digit`, which needs to be
in the range\n * `0` to `base - 1`. If `flag` is non-zero, the uppercase form is\n * used; else, the lowercase form is
used. The behavior is undefined\n * if `flag` is non-zero and `digit` has no uppercase form.\n
*/\nconst digitToBasic = function(digit, flag) {\n\t\t\t// 0..25 map to ASCII a..z or A..Z\n\t\t\t// 26..35 map to ASCII
0..9\n\t\t\treturn digit + 22 + 75 * (digit < 26) - ((flag != 0) << 5);\n\t\t};\n\n/**\n * Bias adaptation function as per section
3.4 of RFC 3492.\n * https://tools.ietf.org/html/rfc3492#section-3.4\n * @private\n */\nconst adapt = function(delta,
numPoints, firstTime) {\n\t\t\tlet k = 0;\n\t\t\tdelta = firstTime ? floor(delta / damp) : delta >> 1;\n\t\t\tdelta += floor(delta /
numPoints);\n\t\t\tfor (/* no initialization */; delta > baseMinusTMin * tMax >> 1; k += base) {\n\t\t\t\tdelta = floor(delta /
baseMinusTMin);\n\t\t\t}\n\t\t\treturn floor(k + (baseMinusTMin + 1) * delta / (delta + skew));\n\t\t};\n\n/**\n * Converts a
Punycode string of ASCII-only symbols to a string of Unicode\n * symbols.\n * @memberOf punycode\n *
@param {String} input The Punycode string of ASCII-only symbols.\n * @returns {String} The resulting string of
Unicode symbols.\n */\nconst decode = function(input) {\n\t\t\t// Don't use UCS-2.\n\t\t\tconst
output = [];\n\t\t\tconst inputLength = input.length;\n\t\t\tlet i = 0;\n\t\t\tlet n = initialN;\n\t\t\tlet bias = initialBias;\n\t\t\t//
Handle the basic code points: let `basic` be the number of input code\n\t\t\t// points before the last delimiter, or `0` if
there is none, then copy\n\t\t\t// the first basic code points to the output.\n\t\t\tlet basic =
input.lastIndexOf(delimiter);\n\t\t\tif (basic < 0) {\n\t\t\t\tbasic = 0;\n\t\t\t}\n\t\t\tfor (let j = 0; j < basic; ++j) {\n\t\t\t\t// if it's not
a basic code point\n\t\t\t\tif (input.charCodeAt(j) >= 0x80) {\n\t\t\t\t\tthrow('not-
basic');\n\t\t\t\t}\n\t\t\t\toutput.push(input.charCodeAt(j));\n\t\t\t}\n\t\t\t// Main decoding loop: start just after the last delimiter
if any basic code\n\t\t\t// points were copied; start at the beginning otherwise.\n\t\t\tfor (let index = basic > 0 ? basic + 1
: 0; index < inputLength; /* no final expression */) {\n\t\t\t\t`index` is the index of the next character to be
consumed.\n\t\t\t\t// Decode a generalized variable-length integer into `delta`,\n\t\t\t\t// which
gets added to `i`. The overflow checking is easier\n\t\t\t\t// if we increase `i` as we go, then subtract off its
starting\n\t\t\t\t// value at the end to obtain `delta`.\n\t\t\t\tlet oldi = i;\n\t\t\t\tfor (let w = 1, k = base; /* no condition */; k +=
base) {\n\t\t\t\t\tif (index >= inputLength) {\n\t\t\t\t\t\tthrow('invalid-input');\n\t\t\t\t\t}\n\t\t\t\t\tconst digit =
basicToDigit(input.charCodeAt(index++));\n\t\t\t\t\tif (digit >= base || digit > floor((maxInt - i) / w))
{\n\t\t\t\t\t\tthrow('overflow');\n\t\t\t\t\t}\n\t\t\t\t\ti += digit * w;\n\t\t\t\t\tconst t = k <= bias ? tMin : (k >= bias + tMax ? tMax :
k - bias);\n\t\t\t\t\tif (digit < t) {\n\t\t\t\t\t\tbreak;\n\t\t\t\t\t}\n\t\t\t\t\tconst baseMinusT = base - t;\n\t\t\t\t\tif (w > floor(maxInt /
baseMinusT)) {\n\t\t\t\t\t\tthrow('overflow');\n\t\t\t\t\t}\n\t\t\t\t\ti += baseMinusT;\n\t\t\t\t\tconst out = output.length +
1;\n\t\t\t\t\tbias = adapt(i - oldi, out, oldi == 0);\n\t\t\t\t\t// `i` was supposed to wrap around from `out` to `0`,\n\t\t\t\t\t//
incrementing `n` each time, so we'll fix that now:\n\t\t\t\t\tif (floor(i / out) > maxInt - n) {\n\t\t\t\t\t\tthrow('overflow');\n\t\t\t\t\t}\n\t\t\t\t\ti += floor(i / out);\n\t\t\t\t\ti %= out;\n\t\t\t\t\t// Insert `n`
at position `i` of the output.\n\t\t\t\t\toutput.splice(i++, 0, n);\n\t\t\t\t}\n\t\t\t}\n\t\t\treturn
String.fromCodePoint(...output);\n\t\t};\n\n/**\n * Converts a string of Unicode symbols (e.g. a domain name label) to
a\n * Punycode string of ASCII-only symbols.\n * @memberOf punycode\n * @param {String} input The string of
Unicode symbols.\n * @returns {String} The resulting Punycode string of ASCII-only symbols.\n */\nconst encode

```





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the\n \* authors and should not be interpreted as representing official policies, either expressed\n \* or implied, of Gary Court.\n \*\nimport URI\_PROTOCOL from \"/regexpr-uri\";\nimport IRI\_PROTOCOL from \"/regexpr-iri\";\nimport punycode from \"punycode\";\nimport

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{ toUpperCase, typeOf, assign } from \"/util\";\n\nexport interface URIComponents {\n scheme?:string;\n userinfo?:string;\n host?:string;\n port?:number|string;\n path?:string;\n query?:string;\n fragment?:string;\n reference?:string;\n error?:string;\n}\n\nexport interface URIOptions {\n scheme?:string;\n reference?:string;\n tolerant?:boolean;\n absolutePath?:boolean;\n tiri?:boolean;\n unicodeSupport?:boolean;\n domainHost?:boolean;\n}\n\nexport interface URISchemeHandler<Components extends URIComponents = URIComponents, Options extends URIOptions = URIOptions, ParentComponents extends URIComponents = URIComponents> {\n scheme:string;\n parse(components:ParentComponents, options:Options):Components;\n serialize(components:Components, options:Options):ParentComponents;\n unicodeSupport?:boolean;\n domainHost?:boolean;\n absolutePath?:boolean;\n}\n\nexport interface URIRegExps {\n NOT_SCHEME : RegExp,\n NOT_USERINFO : RegExp,\n NOT_HOST : RegExp,\n NOT_PATH : RegExp,\n NOT_PATH_NOScheme : RegExp,\n NOT_QUERY : RegExp,\n NOT_FRAGMENT : RegExp,\n ESCAPE : RegExp,\n UNRESERVED : RegExp,\n OTHER_CHARS : RegExp,\n PCT_ENCODED : RegExp,\n IPV4ADDRESS : RegExp,\n IPV6ADDRESS : RegExp,\n}\n\nexport const SCHEMES: {[scheme:string]:URISchemeHandler} = {};\n\nexport function pctEncChar(chr:string):string {\n const c = chr.charCodeAt(0);\n let e:string;\n if (c < 16) e = \"%0\" + c.toString(16).toUpperCase();\n else if (c < 128) e = \"%\" + c.toString(16).toUpperCase();\n else if (c < 2048) e = \"%\" + ((c >> 6) | 192).toString(16).toUpperCase() + \"%\" + ((c & 63) | 128).toString(16).toUpperCase();\n else e = \"%\" + ((c >> 12) | 224).toString(16).toUpperCase() + \"%\" + (((c >> 6) & 63) | 128).toString(16).toUpperCase() + \"%\" + ((c & 63) | 128).toString(16).toUpperCase();\n return e;\n}\n\nexport function pctDecChars(str:string):string {\n let newStr = \"\";\n let i = 0;\n const il = str.length;\n while (i < il) {\n const c = parseInt(str.substr(i + 1, 2), 16);\n if (c < 128) {\n newStr += String.fromCharCode(c);\n i += 3;\n } else if (c >= 194 && c < 224) {\n if ((il - i) >= 6) {\n const c2 = parseInt(str.substr(i + 4, 2), 16);\n newStr += String.fromCharCode(((c & 31) << 6) | (c2 & 63));\n } else {\n newStr += str.substr(i, 6);\n }\n i += 6;\n } else if (c >= 224) {\n if ((il - i) >= 9) {\n const c2 = parseInt(str.substr(i + 4, 2), 16);\n const c3 = parseInt(str.substr(i + 7, 2), 16);\n newStr += String.fromCharCode(((c & 15) << 12) | ((c2 & 63) << 6) | (c3 & 63));\n } else {\n newStr += str.substr(i, 9);\n }\n i += 9;\n } else {\n newStr += str.substr(i, 3);\n i += 3;\n }\n }\n return newStr;\n}\n\nfunction _normalizeComponentEncoding(components:URIComponents, protocol:URIRegExps) {\n function decodeUnreserved(str:string):string {\n const
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subexp(LOCAL_PART$ + "\\|@|" + DOMAIN$); \nconst TO$ = subexp(ADDR_SPEC$ + subexp("\\|,|" +
ADDR_SPEC$) + "*"); \nconst HFNAME$ = subexp(QCHAR$ + "*"); \nconst HFVALUE$ =
HFNAME$; \nconst HFIELDS$ = subexp(HFNAME$ + "\\|=" + HFVALUE$); \nconst HFIELDS2$ =
subexp(HFIELDS$ + subexp("\\|&" + HFIELDS$) + "*"); \nconst HFIELDS$ = subexp("\\|?" +
HFIELDS2$); \nconst MAILTO_URI = new RegExp("^mailto|:" + TO$ + "\\?" + HFIELDS$ + "\\?$"); \nconst
UNRESERVED = new RegExp(UNRESERVED$, "g"); \nconst PCT_ENCODED = new
RegExp(PCT_ENCODED$, "g"); \nconst NOT_LOCAL_PART = new RegExp(merge("[^]", ATEXT$,
"[]", "[]", VCHAR$, "g"), "g"); \nconst NOT_DOMAIN = new RegExp(merge("[^]", ATEXT$, "[]",
"[]", DTEXT_NO_OBS$, "[]"), "g"); \nconst NOT_HFNAME = new RegExp(merge("[^]",
UNRESERVED$, SOME_DELIMS$, "g"), "g"); \nconst NOT_HFVALUE = NOT_HFNAME; \nconst TO = new
RegExp("^" + TO$ + "\\$"); \nconst HFIELDS = new RegExp("^" + HFIELDS2$ + "\\$"); \nfunction
decodeUnreserved(str:string):string { \nconst decStr = pctDecChars(str); \nreturn (!decStr.match(UNRESERVED)
? str : decStr); \n} \nconst handler:URISchemeHandler<MailtoComponents> = { \n scheme : "mailto", \n parse
: function (components:URISchemeComponents, options:URISchemeOptions):MailtoComponents { \n const mailtoComponents =
components as MailtoComponents; \n const to = mailtoComponents.to = (mailtoComponents.path ?
mailtoComponents.path.split(",") : []); \n if (!mailtoComponents.path) mailtoComponents.path = undefined; \n if (!mailtoComponents.query) { \n let unknownHeaders = false; \n const headers:MailtoHeaders = {}; \n const
hfields = mailtoComponents.query.split("&"); \n for (let x = 0, xl = hfields.length; x < xl; ++x) { \n const
hfield = hfields[x].split("="); \n switch (hfield[0]) { \n case "to": \n const toAddrs = hfield[1].split(","); \n for (let x = 0, xl = toAddrs.length; x
< xl; ++x) { \n to.push(toAddrs[x]); \n } \n break; \n case
"subject": \n mailtoComponents.subject = unescapeComponent(hfield[1],
options); \n break; \n case "body": \n mailtoComponents.body =
unescapeComponent(hfield[1], options); \n break; \n default: \n unknownHeaders =
true; \n headers[unescapeComponent(hfield[0], options)] = unescapeComponent(hfield[1],
options); \n break; \n } \n } \n if (unknownHeaders) mailtoComponents.headers =
headers; \n mailtoComponents.query = undefined; \n for (let x = 0, xl = to.length; x < xl; ++x) { \n const
addr = to[x].split("@"); \n taddr[0] = unescapeComponent(addr[0]); \n if
(!options.unicodeSupport) { \n //convert Unicode IDN ->
ASCII IDN \n try { \n taddr[1] = punycode.toASCII(unescapeComponent(addr[1],
options).toLowerCase()); \n } catch (e) { \n mailtoComponents.error = mailtoComponents.error || "Email
address's domain name can not be converted to ASCII via punycode: " + e; \n } \n else { \n taddr[1] =
unescapeComponent(addr[1], options).toLowerCase(); \n } \n tto[x] = addr.join("@"); \n return
mailtoComponents; \n } \n } \n serialize : function (mailtoComponents:MailtoComponents,
options:URISchemeOptions):URISchemeComponents { \n const components = mailtoComponents as URISchemeComponents; \n const
to = toArray(mailtoComponents.to); \n if (!to) { \n for (let x = 0, xl = to.length; x < xl; ++x) { \n const
toAddr = String(to[x]); \n const atIdx = toAddr.lastIndexOf("@"); \n const localPart = (toAddr.slice(0,
atIdx)).replace(PCT_ENCODED, decodeUnreserved).replace(PCT_ENCODED,
toUpperCase).replace(NOT_LOCAL_PART, pctEncChar); \n let
domain = toAddr.slice(atIdx + 1); \n //convert IDN via punycode \n try { \n domain = (!options.iri ?
punycode.toASCII(unescapeComponent(domain, options).toLowerCase()) : punycode.toUnicode(domain)); \n } catch (e) { \n components.error = components.error || "Email address's domain name can not be converted to
" + (!options.iri ? "ASCII" : "Unicode") + " via punycode: " + e; \n } \n else { \n tto[x] = localPart + "@" +
domain; \n } \n components.path = to.join(","); \n const headers = mailtoComponents.headers =
mailtoComponents.headers || {}; \n if (mailtoComponents.subject) headers["subject"] =
mailtoComponents.subject; \n if (mailtoComponents.body) headers["body"] =
mailtoComponents.body; \n const fields = []; \n for (const name in headers) { \n if (headers[name] !==
O[name]) { \n tfields.push(name.replace(PCT_ENCODED,

```







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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.

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## 1.463 celery 4.3.0

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The first commit to the Celery codebase was made on Fri Apr 24 13:30:00 2009 +0200, and has since then been improved by many contributors.

Everyone who have ever contributed to Celery should be in this list, but in a recent policy change it has been decided that everyone must add themselves here, and not be added by others, so it's currently incomplete waiting for everyone to add their names.

The list of authors added before the policy change can be found in docs/AUTHORS.txt.

--

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Dimitrios Kouzis-Loukas, 2012/06/13  
Steven Skoczen, 2012/06/17  
Loren Abrams, 2012/06/19  
Eran Rundstein, 2012/06/24  
John Watson, 2012/06/27  
Matt Long, 2012/07/04  
David Markey, 2012/07/05  
Jared Biel, 2012/07/05  
Jed Smith, 2012/07/08  
ukasz Langa, 2012/07/10  
Rinat Shigapov, 2012/07/20  
Hynek Schlawack, 2012/07/23



Paul McMillan, 2012/07/26  
Mitar, 2012/07/28  
Adam DePue, 2012/08/22  
Thomas Meson, 2012/08/28  
Daniel Lundin, 2012/08/30  
Alexey Zatelepin, 2012/09/18  
Sundar Raman, 2012/09/24  
Henri Colas, 2012/11/16  
Thomas Grainger, 2012/11/29  
Marius Gedminas, 2012/11/29  
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, 2013/12/16  
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=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no

2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above				
2.1.1	2001-now	PSF		yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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## 1.464 openpyxl 2.5.6

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\* /opt/cola/permits/1842490855\_1699427661.6513546/0/openpyxl-2-5-6-1-tar-gz/openpyxl-2.5.6/setup.py

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Metadata-Version: 1.2

Name: openpyxl

Version: 2.5.6

Summary: A Python library to read/write Excel 2010 xlsx/xlsm files

Home-page: <https://openpyxl.readthedocs.io>

Author: See AUTHORS

Author-email: [charlie.clark@clark-consulting.eu](mailto:charlie.clark@clark-consulting.eu)

License: MIT/Expat

Description: .. image:: <https://coveralls.io/repos/bitbucket/openpyxl/openpyxl/badge.svg?branch=default>  
:target: <https://coveralls.io/bitbucket/openpyxl/openpyxl?branch=default>  
:alt: coverage status

## Introduction

-----

openpyxl is a Python library to read/write Excel 2010 xlsx/xlsm/xltx/xltn files.

It was born from lack of existing library to read/write natively from Python the Office Open XML format.

All kudos to the PHPExcel team as openpyxl was initially based on PHPExcel.

## Mailing List

-----

The user

list can be found on <http://groups.google.com/group/openpyxl-users>

Sample code::

```
from openpyxl import Workbook
wb = Workbook()

grab the active worksheet
ws = wb.active

Data can be assigned directly to cells
ws['A1'] = 42

Rows can also be appended
ws.append([1, 2, 3])

Python types will automatically be converted
import datetime
```

```
ws['A2'] = datetime.datetime.now()
```

```
Save the file
wb.save("sample.xlsx")
```

## Documentation

-----

The documentation is at: <https://openpyxl.readthedocs.io>

- \* installation methods
- \* code examples
- \* instructions for contributing

Release notes: <https://openpyxl.readthedocs.io/en/stable/changes.html>

Platform: UNKNOWN

Classifier:

Development Status :: 5 - Production/Stable

Classifier: Operating System :: MacOS :: MacOS X

Classifier: Operating System :: Microsoft :: Windows

Classifier: Operating System :: POSIX

Classifier: License :: OSI Approved :: MIT License

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Classifier: Programming Language :: Python :: 3.7

Requires-Python: >=2.7, !=3.0.\*, !=3.1.\*, !=3.2.\*, !=3.3.\*

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Markup License

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OrderedDict License

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## 1.468 sudo 1.9.13p3

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Ackeret, Matt  
Adler, Mark  
Allbery, Russ  
Anderson, Jamie  
Andrew, Nick  
Andric, Dimitry  
Barron, Danny  
Bates, Tom  
Behan, Zdenk  
Bellis, Ray  
Benali, Elias  
Beverly, Jamie  
Boardman, Spider  
Bos, Sander  
Bostley, P.J.  
Bowes, Keith



Boyce, Keith Garry  
Brantley, Michael  
Braun, Rob  
Bezina, Pavel  
Brooks, Piete  
Brown, Jerry  
Burr, Michael E  
Burton, Ross  
Bussjaeger, Andreas  
Calvin, Gary  
Campbell, Aaron  
Chazelas, Stephane  
Cheloha, Scott  
ek, Vtzslav  
Coleman, Chris  
Corzine, Deven T.  
Cusack, Frank  
Dai, Wei  
Dill, David  
Earickson, Jeff  
Eckhardt, Drew  
Edgington, Ben  
Esipovich, Marc  
Espie, Marc  
Faigon,  
Ariel  
Farrell, Brian  
Fobes, Steve  
Frysinger, Mike  
G., Daniel Richard  
Gailly, Jean-loup  
Gelman, Stephen  
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Graber, Stephane  
Guillory, B.  
Hayman, Randy M.  
Henke, Joachim  
Hideaki, Yoshifuji  
Hieb, Dave  
Holloway, Nick  
Hoover, Adam  
Hunter, Michael T.  
Hutchings, Ben  
Irrgang, Eric  
Jackson, Brian  
Jackson, John R.  
Jackson, Richard L., Jr.  
Janssen, Mark

Jindrak, Jaroslav  
Jepeway, Chris  
Jorge, Joel Pele  
Jover, Guillem  
Juhani, Timo  
Kikuchi, Ayamura  
Kadow, Kevin  
Kasal, Stepan  
Kienenberger, Mike  
King, Dale  
King, Michael  
Klyachkin, Andrey  
Knoble, Jim  
Knox, Tim  
Komarnitsky, Alek O.  
Kondrashov, Nikolai  
Kopeck, Daniel  
Kranenburg, Paul  
Krause, David  
Lakin, Eric  
Larsen, Case  
Levin, Dmitry V.  
Libby, Kendall  
Lobbes, Phillip E.  
McIntyre, Jason  
MacKenzie, David J.  
McLaughlin, Tom  
Makey, Jeff  
Mallayya,  
Sangamesh  
Manner, Rbert  
Marchionna, Michael D.  
Markham, Paul  
Martinian, Emin  
Meskes, Michael  
Michael, David  
Miller, Todd C.  
Minier, Loc  
Moffat, Darren  
Moldung, Jan Thomas  
Morris, Charles  
Mueller, Andreas  
Mller, Dworkin  
Nieuwma, Jeff  
Nikitser, Peter A.  
Nussel, Ludwig  
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Paquet, Eric  
Paradis, Chantal  
Pasteleurs, Frederic  
Percival, Ted  
Perera, Andres  
Peron, Christian S.J.  
Peschel, Aaron  
Peslyak, Alexander  
Peterson, Toby  
Petten, Diego Elio  
Pickett, Joel  
Plotnick, Alex  
de Raadt, Theo  
Rasch, Gudleik  
Reid, Steve  
Richards, Matt  
Rossum, Guido van  
Rouillard, John P.  
Rowe, William A., Jr.  
Roy, Alain  
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Ryabinkin, Eygene  
Sato, Yuichi  
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Sanders, Miguel  
Sasaki, Kan  
Saucier, Jean-Francois  
Schoenfeld, Patrick  
Schuring, Arno  
Schwarze, Ingo  
Scott,  
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Shand, Will  
Sieger, Nick  
Simon, Thor Lancelot  
Skoll, Dianne  
Slemko, Marc  
Smith, Andy  
Sobrado, Igor  
Soulen, Steven  
Spangler, Aaron  
Spradling, Cloyce D.  
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Walsh, Dan  
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Webb, Kirk  
Wetzel, Timm  
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Winiger, Gary  
Wood, David  
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The following people have worked to translate sudo into other languages as part of the Translation Project, see <https://translationproject.org> for more details.

Albuquerque, Pedro  
Blttermann, Mario  
Bogusz, Jakub  
Buo-ren, Lin

Casagrande, Milo  
Castro, Felipe  
Cho, Seong-ho  
Chornoivan, Yuri  
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Doghonadze, Temuri  
Fontenelle, Rafael  
Garca-Fontes, Walter  
Gezer, Volkan  
Hamasaki, Takeshi  
Hamming, Peter  
Hansen, Joe  
Hantrais, Frdric  
Hein, Jochen  
Hufthammer, Karl Ove

Jerovek, Damir  
Karvonen, Jorma  
Kazik, Duan  
Kelemen, Gbor  
Keeci, Mehmet  
Koir, Klemen  
Kozlov, Yuri  
Kramer, Jakob  
Krznar, Tomislav  
Marchal, Frdric  
Margeviius, Algimantas  
Maryanov, Pavel  
Florentina Muat  
Nurmi, Lauri  
Nikoli, Miroslav  
Nylander, Daniel  
Pan, Yi-Jyun  
Psa, Petr  
Puente, Enol  
Putanec, Boidar  
Qun, Trn Ngc  
Rasmussen, Sebastian  
Regueiro, Leandro  
Sarar, zgr  
Selimaj, Agron  
Sendn, Abel  
erbnescu, Daniel  
Shahedany, Eshagh  
Sikrom, ka  
Spingos, Dimitris  
Taniguchi, Yasuaki  
Tomat, Fbio  
r, Balzs  
Uranga, Mikel Olasagasti  
Vorotnikov, Artem  
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The following people designed the artwork used on the sudo website:

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Sandwich logo (inspired by xkcd): Stillman, Mark

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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## 1.472 net-tools

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```

/*****

```

```

* NCSA HTTPd Server
* Software Development Group
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

\*/

For the expat xml parser component:

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<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head><!--

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X

This file is generated from xml source: DO NOT EDIT

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X

```
-->
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</title>
<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No
Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/style/css/prettify.css" />
<script src="/style/scripts/prettify.min.js" type="text/javascript">
</script>
```

```
<link
href="/images/favicon.ico" rel="shortcut icon" /></head>
<body id="manual-page" class="no-sidebar"><div id="page-header">
<p class="menu">Modules | Directives | FAQ | Glossary | Sitemap</p>
<p class="apache">Apache HTTP Server Version 2.4</p>
</div>
<div class="up"></div>
<div id="path">
Apache > HTTP Server > Documentation > Version 2.4</div><div id="page-
content"><div id="preamble"><h1>The Apache License, Version 2.0</h1>
<div class="toplang">
<p>Available Languages: en </p>
</div>
```

```
<p class="centered">Apache License

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```

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```
</div>
</div>
<div class="bottomlang">
<p>Available Languages: en </p>
</div><div class="top"></div><div
class="section"><h2>Comments</h2><div
class="warning">Notice:
This is not a Q&A section. Comments
placed here should be pointed towards suggestions on improving the documentation or server, and may be removed
again by our moderators if they are either implemented or considered invalid/off-topic. Questions on how to manage
the Apache HTTP Server should be directed at either our IRC channel, #httpd, on Freenode, or sent to our mailing lists.</div>
<script type="text/javascript"><!--><![CDATA[</script>
var comments_shortcode = 'httpd';
var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';
(function(w, d) {
 if (w.location.hostname.toLowerCase() == "httpd.apache.org") {
 d.write('<div id="comments_thread"></div>');
 var s = d.createElement('script');
 s.type = 'text/javascript';
 s.async = true;
 s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortcode + '&page=' +
comments_identifier;
 (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
 }
 else {
 d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
 }
})(window, document);
--><![</script></div><div id="footer">
<p class="apache">Copyright 2015 The Apache Software Foundation.
Licensed under the Apache License, Version 2.0.</p>
<p class="menu">Modules | Directives | FAQ | Glossary | Sitemap</p></div><script type="text/javascript"><!--><![CDATA[</script>
if (typeof(prettyPrint) !== 'undefined') {
 prettyPrint();
}
--><![</script>
</body></html>
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## 1.476 bind 9.16.48

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-->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"

xmlns:xsl="http://www.w3.org/1999/XSL/Transform"

xmlns:xi="http://www.w3.org/2001/XInclude"

xmlns:db="http://docbook.org/ns/docbook">

```

<xsl:template name="isc.copyright.format">
 <xsl:param name="text"/>
 <xsl:value-of select="$isc.copyright.leader"/>
 <xsl:value-of select="normalize-space(substring-before($text, '
'))"/>
 <xsl:text>
</xsl:text>
 <xsl:variable name="rest" select="substring-after($text, '
')"/>
 <xsl:if test="translate($rest, '	 ', '')">
 <xsl:call-template name="isc.copyright.format">
 <xsl:with-param name="text" select="$rest"/>
 </xsl:call-template>
 </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
 <xsl:text>
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 </xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
 <xsl:call-template name="isc.copyright.format">
 <xsl:with-param name="text">
 <xsl:for-each select="db:book/db:info/db:copyright | db:refentry/db:docinfo/db:copyright">
 <xsl:text>Copyright (C) </xsl:text>
 <xsl:call-template name="copyright.years">
 <xsl:with-param name="years" select="db:year"/>
 </xsl:call-template>
 <xsl:text> </xsl:text>
 <xsl:value-of select="db:holder"/>
 <xsl:value-of select="$isc.copyright.breakline"/>
 <xsl:text>
</xsl:text>
 </xsl:for-each>
 <xsl:value-of
 select="$isc.copyright.text"/>
 </xsl:with-param>
 </xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

<!--
- Local variables:
- mode: sgml
- End:
-->

```

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# 1.487 linux-kernel 5.15.161

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```
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```

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```
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```

The hypothetical commands

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;  
 \* see init\_nicstar() for PHY initialization to change this. This driver  
 \* expects the Linux ATM stack to support scatter-gather  
 lists  
 \* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.  
 \*  
 \* Implementing minimal-copy of received data:  
 \* IDT always receives data into a small buffer, then large buffers  
 \* as needed. This means that data must always be copied to create  
 \* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)  
 \* Fix is simple: make large buffers large enough to hold entire  
 \* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then  
 \* copy small buffer contents to head of large buffer.  
 \* Trick is to avoid fragmenting Linux, due to need for a lot of large  
 \* buffers. This is done by 2 things:  
 \* 1) skb->destructor / skb->atm.recycle\_buffer  
 \* combined, allow nicstar\_free\_rx\_skb to be called to  
 \* recycle large data buffers  
 \* 2) skb\_clone of received buffers  
 \* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation  
 \* details.  
 \*  
 \*  
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 \*  
 \* M. Welsh, 6 July 1996  
 \*  
 \*  
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
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2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
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2.4	2.3	2004	PSF	yes
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2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
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2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
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=====  
Distutils2 Contributors  
=====

The Distutils2 project was started by Tarek Ziad and is currently maintained by ric Araujo. Many people have contributed to the project.

distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order, and welcome into the Fellowship of the Packaging!

Thanks to:

- Rajiv Abraham
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Metadata-Version: 1.0

Name: setuptools

Version: 0.6c9

Summary: Download, build, install, upgrade, and uninstall Python packages -- easily!

Home-page: <http://pypi.org/pypi/setuptools>

Author: Phillip J. Eby

Author-email: [distutils-sig@python.org](mailto:distutils-sig@python.org)

License: PSF or ZPL

Description: =====

Installing and Using Setuptools

=====

.. contents:: **\*\*Table of Contents\*\***

-----  
 Installation Instructions  
 -----

## Windows

=====

Install setuptools using the provided `.exe` installer. If you've previously installed older versions of setuptools, please delete all `setuptools*.egg` and `setuptools.pth` files from your system's `site-packages` directory (and any other `sys.path` directories) FIRST.

If you are upgrading a previous version of setuptools that was installed using an `.exe` installer,

please be sure to also `*uninstall that older version*`

via your system's "Add/Remove Programs" feature, BEFORE installing the newer version.

Once installation is complete, you will find an `easy_install.exe` program in your Python `Scripts` subdirectory. Be sure to add this directory to your `PATH` environment variable, if you haven't already done so.

## RPM-Based Systems

=====

Install setuptools using the provided source RPM. The included `.spec` file assumes you are installing using the default `python` executable, and is not specific to a particular Python version. The `easy_install` executable will be installed to a system `bin` directory such as `/usr/bin`.

If you wish to install to a location other than the default Python installation's default `site-packages` directory (and `$prefix/bin` for scripts), please use the `.egg`-based installation approach described in the following section.

## Cygwin, Mac OS X, Linux, Other

=====

1. Download the appropriate egg for your version of Python (e.g. `setuptools-0.6c9-py2.4.egg`). Do NOT rename it.
2. Run it as if it were a shell script, e.g. `sh setuptools-0.6c9-py2.4.egg`. Setuptools will install itself using the matching version of Python (e.g. `python2.4`), and will place the `easy_install` executable in the default location for installing Python scripts (as determined by the standard distutils configuration files, or by the Python installation).

If you want to install setuptools to somewhere other than `site-packages` or

your default distutils installation locations for libraries and scripts, you may include EasyInstall command-line options such as `--prefix`, `--install-dir`, and so on, following the `.egg` filename

on the same

command line. For example::

```
sh setuptools-0.6c9-py2.4.egg --prefix=~
```

You can use `--help` to get a full options list, but we recommend consulting the `EasyInstall manual` for detailed instructions, especially the section on custom installation locations.

.. `EasyInstall manual`: <http://peak.telecommunity.com/DevCenter/EasyInstall>

.. the section on custom installation locations: <http://peak.telecommunity.com/DevCenter/EasyInstall#custom-installation-locations>

#### Cygwin Note

-----

If you are trying to install setuptools for the `Windows` version of Python (as opposed to the Cygwin version that lives in `/usr/bin`), you must make sure that an appropriate executable (`python2.3`, `python2.4`, or `python2.5`) is on your `Cygwin` `PATH` when invoking the egg. For example, doing the following at a Cygwin bash prompt will install setuptools for the `Windows` Python found at `C:\Python24`:

```
In -s /cygdrive/c/Python24/python.exe python2.4
PATH=.:$PATH sh setuptools-0.6c9-py2.4.egg
rm python2.4
```

#### Downloads

=====

All setuptools downloads can be found at the project's home page in the Python Package Index. Scroll to the very bottom of the page to find the links.

.. the project's home page in the Python Package Index: <http://pypi.org/pypi/setuptools>

In addition to the PyPI downloads, the development version of `setuptools` is available from the `Python SVN sandbox`, and in-development versions of the `0.6 branch` are available as well.

.. `0.6 branch`: <http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06>

.. `Python SVN sandbox`: <http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev>



-----  
Using  
Setuptools and EasyInstall  
-----

Here are some of the available manuals, tutorials, and other resources for learning about Setuptools, Python Eggs, and EasyInstall:

- \* `The EasyInstall user's guide and reference manual`\_
- \* `The setuptools Developer's Guide`\_
- \* `The pkg\_resources API reference`\_
- \* `Package Compatibility Notes`\_ (user-maintained)
- \* `The Internal Structure of Python Eggs`\_

Questions, comments, and bug reports should be directed to the `distutils-sig mailing list`\_. If you have written (or know of) any tutorials, documentation, plug-ins, or other resources for setuptools users, please let us know about them there, so this reference list can be updated. If you have working, \*tested\* patches to correct problems or add features, you may submit them to the `setuptools bug tracker`\_.

.. \_setuptools bug tracker: <http://bugs.python.org/setuptools/>  
.. \_Package Compatibility Notes: <http://peak.telecommunity.com/DevCenter/PackageNotes>  
.. \_The Internal Structure of Python Eggs: <http://peak.telecommunity.com/DevCenter/EggFormats>  
.. \_The setuptools Developer's Guide: <http://peak.telecommunity.com/DevCenter/setuptools>  
.. \_The pkg\_resources API reference: <http://peak.telecommunity.com/DevCenter/PkgResources>  
.. \_The EasyInstall user's guide and reference manual: <http://peak.telecommunity.com/DevCenter/EasyInstall>  
.. \_distutils-sig mailing list: <http://mail.python.org/pipermail/distutils-sig/>

-----  
Credits  
-----

\* The original design for the ``.egg`` format and the ``pkg\_resources`` API was co-created by Phillip Eby and Bob Ippolito. Bob also implemented the first version of ``pkg\_resources``, and supplied the OS X operating system version compatibility algorithm.

\* Ian Bicking implemented many early "creature comfort" features of easy\_install, including support for downloading via Sourceforge and Subversion repositories. Ian's comments on the Web-SIG about WSGI application deployment also inspired the concept of "entry points" in eggs, and he has given talks at PyCon and elsewhere to inform and educate the community about eggs and setuptools.

\* Jim Fulton contributed time and effort to build automated tests of various

aspects of ``easy\_install``, and supplied the doctests for the command-line  
``.exe`` wrappers on Windows.

\* Phillip J. Eby is the principal author and maintainer of setuptools, and  
first proposed the idea of an importable binary distribution format for  
Python application plug-ins.

\* Significant parts of the implementation of setuptools were funded by the Open  
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In addition, many OSAF staffers (such as Mike  
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```
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The hypothetical commands

```
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```
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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see init\_nicstar() for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather

lists

\* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

\*

\* Implementing minimal-copy of received data:

\* IDT always receives data into a small buffer, then large buffers

\* as needed. This means that data must always be copied to create

\* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

\* Fix is simple: make large buffers large enough to hold entire

\* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then

\* copy small buffer contents to head of large buffer.

\* Trick is to avoid fragmenting Linux, due to need for a lot of large

- \* buffers. This is done by 2 things:
- \* 1) skb->destructor / skb->atm.recycle\_buffer
- \* combined, allow nicstar\_free\_rx\_skb to be called to
- \* recycle large data buffers
- \* 2) skb\_clone of received buffers
- \* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation
- \* details.

\*  
\*  
\*

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\*

\* M. Welsh, 6 July 1996

\*

\*

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# 1.494 packaging 16.8

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