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Upstream-Name: asn1crypto
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1.7 beautifulsoup4 4.6.0 :1

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  }
}
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1.15 coverage 4.4.1

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Other contributions, including writing code, updating docs, and submitting useful bug reports, have been made by:

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language called ABC. Guido is Python's principal author, although it
includes many contributions from others. The last version released
from CWI was Python 1.2. In 1995, Guido continued his work on Python
at the Corporation for National Research Initiatives (CNRI) in Reston,
Virginia where he released several versions of the software. Python
1.6 was the last of the versions released by CNRI. In 2000, Guido and
the Python core development team moved to BeOpen.com to form the
BeOpen PythonLabs team. Python 2.0 was the first and only release
from BeOpen.com.

Following the release of Python 1.6, and after Guido van Rossum left
CNRI to work with commercial software developers, it became clear that
the ability to use Python with software available under the GNU Public
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After Python 2.0 was released by BeOpen.com, Guido van Rossum and the
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prune: .

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1.24 ez-setup 0.9

1.25 fedora-release 20 :1

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1.35 gunicorn 19.9.0

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doc/sitemap_gen.py

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util/unlink.py
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backport frop python3 Lib/test/support.py

gunicorn/selectors.py
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1.36 gunicorn 19.7.1

1.37 idna 2.5

1.38 imagesize 0.7.1

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1.43 isort 4.2.15

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1.45 jedi 0.10.2

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1.48jsonpickle 0.9.4

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1.49 jtextfsm 0.3.1

1.50 lazy-object-proxy 1.3.1

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1.54 marshmallow 2.12.2

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1.70 ply 3.11

1.71 prompt-toolkit 1.0.14

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1.74 ptyprocess 0.5.1

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1.75 py 1.4.31 :1
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1.78 pyasn1 0.2.3

1.79 pybind11 2.0.1

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* Mher Movsisyan -- DTD lexer
* Ana Nelson -- Ragel, ANTLR, R console lexers
* Nam T. Nguyen -- Monokai style
* Jesper Noehr -- HTML formatter "anchorlinenos"
* Jonas Obrist -- BBCode lexer
* David Oliva -- Rebol lexer
* Jon Parise -- Protocol buffers lexer
* Ronny Pfannschmidt -- BBCode lexer
* Benjamin Peterson -- Test suite refactoring
* Dominik Picheta -- Nimrod lexer
* ClÁ©ment PrÁ©vost -- UrbiScript lexer
* Justin Reidy -- MXML lexer
* Norman Richards -- JSON lexer
* Lubomir Rintel -- GoodData MAQL and CL lexers
* Andre Roberge -- Tango style
* Konrad Rudolph -- LaTeX formatter enhancements
* Mario Ruggier -- Evoque lexers
* Stou Sandalski -- NumPy, FORTRAN, tcsh and XSLT lexers
* Matteo Sasso -- Common Lisp lexer
* Joe Schafer -- Ada lexer
* Ken Schutte -- Matlab lexers
* Tassilo Schweyer -- Io, MOOCode lexers
* Joerg Sieker -- ABAP lexer
* Robert Simmons -- Standard ML lexer
* Kirill Simonov -- YAML lexer
* Steve Spigarelli -- XQuery lexer
* Jerome St-Louis -- eC lexer
* James Strachan -- Kotlin lexer
* Tiberius Teng -- default style overhaul
* Jeremy Thurgood -- Erlang, Squid config lexers
* Erick Tryzelaar -- Felix lexer
* Daniele Varrazzo -- PostgreSQL lexers
* Abe Voelker -- OpenEdge ABL lexer
* Whitney Young -- ObjectiveC lexer
* Matthias Vallentin -- Bro lexer
* Nathan Weizenbaum -- Haml and Sass lexers
* Dietmar Winkler -- Modelica lexer
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1.82 pylint 1.7.1

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1.90 pytest-ordering 0.5

1.91 python-attrdict 2.0.0

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1.92 python-dateutil 2.6.0

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1.94 python-enum34 1.1.3

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1.97 python-lxml 3.4.4

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1.106 PyYAML 4.2b4

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1.124 redux-logger 3.0.6

1.125 redux-thunk 2.3.0
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1.126 requests 2.14.2
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# Big5 frequency table
# by Taiwan's Mandarin Promotion Council
# <http://www.edu.tw:81/mandr/>
#
# 128 --> 0.42261
# 256 --> 0.57851
# 512 --> 0.74851
# 1024 --> 0.89384
# 2048 --> 0.97583
#
# Ideal Distribution Ratio = 0.74851/(1-0.74851) =2.98
# Random Distribution Ration = 512/(5401-512)=0.105
#
# Typical Distribution Ratio about 25% of Ideal one, still much higher than RDR
BIG5_TYPICAL_DISTRIBUTION_RATIO = 0.75
#Char to FreqOrder table
BIG5_TABLE_SIZE = 5376
BIG5_CHAR_TO_FREQ_ORDER = (
1,1801,1506, 255,1431, 198, 9, 82, 6,5008, 177, 202,3681,1256,2821, 110, # 16
3814, 33,3274, 261, 76, 44,2114, 16,2946,2187,1176, 659,3971, 26,3451,2653, # 32
1198,3972,3350,4202, 410,2215, 302, 590, 361,1964, 8, 204, 58,4510,5009,1932, # 48
63,5010,5011, 317,1614, 75, 222, 159,4203,2417,1480,5012,3555,3091, 224,2822, # 64
3682, 3, 10,3973,1471, 29,2787,1135,2866,1940, 873, 130,3275,1123, 312,5013, # 80
4511,2052, 507, 252, 682,5014, 142,1915, 124, 206,2947, 34,3556,3204, 64, 604, # 96
630, 238,3205,1509, 263, 939,1092,2654, 756,1440,1094,3453, 449, 69,2987, 591, # 128
179,2096, 471, 115,2035,1844, 60, 50,2988, 134, 806,1869, 734,2036,3454, 180, # 144
995,1607, 156, 537,2907, 688,5018, 319,1305, 779,2145, 514,2379, 298,4512, 359, # 160
2502, 90,2716,1338, 663, 11, 906,1099,2553, 20,2441, 182, 532,1716,5019, 732, # 176
1376,4204,1311,1420,3206, 25,2317,1056, 113, 399, 382,1950, 242,3455,2474, 529, # 192
3276, 475,1447,3683,5020, 117, 21, 656, 810,1297,2300,2334,3557,5021, 126,4205, # 208
706, 456, 150, 613,4513, 71,1118,2037,4206, 145,3092, 85, 835, 486,2115,1246, # 224
1426, 428, 727,1285,1015, 800, 106, 623, 303,1281,5022,2128,2359, 347,3815, 221, # 240
3558,3135,5023,1956,1153,4207, 83, 296,1199,3093, 192, 624, 93,5024, 822,1898, # 256
2823,3136, 795,2065, 991,1554,1542,1592, 27, 43,2867, 859, 139,1456, 860,4514, # 272
437, 712,3974, 164,2397,3137, 695, 211,3037,2097, 195,3975,1608,3559,3560,3684, # 288
3976, 234, 811,2989,2098,3977,2233,1441,3561,1615,2380, 668,2077,1638, 305, 228, # 304
1664,4515, 467, 415,5025, 262,2099,1593, 239, 108, 300, 200,1033, 512,1247,2078, # 320
5026,5027,2176,3207,3685,2682, 593, 845,1062,3277, 88,1723,2038,3978,1951, 212, # 336
266, 152, 149, 468,1899,4208,4516, 77, 187,5028,3038, 37, 5,2990,5029,3979, # 352
5030,5031, 39,2524,4517,2908,3208,2079, 55, 148, 74,4518, 545, 483,1474,1029, # 368
1665, 217,1870,1531,3138,1104,2655,4209, 24, 172,3562, 900,3980,3563,3564,4519, # 384
32,1408,2824,1312, 329, 487,2360,2251,2717, 784,2683, 4,3039,3351,1427,1789, # 400
188, 109, 499,5032,3686,1717,1790, 888,1217,3040,4520,5033,3565,5034,3352,1520, # 416
3687,3981, 196,1034, 775,5035,5036, 929,1816, 249, 439, 38,5037,1063,5038, 794, # 432
3982,1435,2301, 46, 178,3278,2066,5039,2381,5040, 214,1709,4521, 804, 35, 707, # 448
324,3688,1601,2554, 140, 459,4210,5041,5042,1365, 839, 272, 978,2262,2580,3456, # 464
2129,1363,3689,1423, 697, 100,3094, 48, 70,1231, 495,3139,2196,5043,1294,5044, # 480
2080, 462, 586,1042,3279, 853, 256, 988, 185,2382,3457,1698, 434,1084,5045,3458, # 496
314,2625,2788,4522,2335,2336, 569,2285, 637,1817,2525, 757,1162,1879,1616,3459, # 512
287,1577,2116, 768,4523,1671,2868,3566,2526,1321,3816, 909,2418,5046,4211, 933, # 528
3817,4212,2053,2361,1222,4524, 765,2419,1322, 786,4525,5047,1920,1462,1677,2909, # 544
1699,5048,4526,1424,2442,3140,3690,2600,3353,1775,1941,3460,3983,4213, 309,1369, # 560
1130,2825, 364,2234,1653,1299,3984,3567,3985,3986,2656, 525,1085,3041, 902,2001, # 576
1475, 964,4527, 421,1845,1415,1057,2286, 940,1364,3141, 376,4528,4529,1381, 7, # 592
2527, 983,2383, 336,1710,2684,1846, 321,3461, 559,1131,3042,2752,1809,1132,1313, # 608
265,1481,1858,5049, 352,1203,2826,3280, 167,1089, 420,2827, 776, 792,1724,3568, # 624
4214,2443,3281,5050,4215,5051, 446, 229, 333,2753, 901,3818,1200,1557,4530,2657, # 640
1921, 395,2754,2685,3819,4216,1836, 125, 916,3209,2626,4531,5052,5053,3820,5054, # 656
5055,5056,4532,3142,3691,1133,2555,1757,3462,1510,2318,1409,3569,5057,2146, 438, # 672

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from __future__ import absolute_import
import platform
from ctypes.util import find_library
from ctypes import (c_void_p, c_int32, c_char_p, c_size_t, c_byte, c_uint32, c_ulong, c_long,
c_bool)
from ctypes import CDLL, POINTER, CFUNCTYPE

4805,5770,2864,4806,4807,1221,2982,4157,2520,5771,5772,5773,1868,1990,5774,5775, # 5296
5776,1896,5777,5778,4808,1897,4158, 318,5779,2095,4159,4437,5780,5781, # 5312
938,3941, 553,2680, 116,5783,3942,3667,5784,3545,2681,2783,3438,3344,2820,5785, # 5328
3668,2943,4160,1747,2944,2983,5786,5787, 207,5788,4809,5789,4810,2521,5790,3033, # 5344
890,3669,3943,5791,1878,3798,3439,5792,2186,2358,3440,1652,5793,5794,5795, 941, # 5360
2299, 208,3546,4161,2020, 330,4438,3944,2906,2499,3799,4439,4811,5796,5797,5798, # 5376
)

===
This module uses ctypes to bind a whole bunch of functions and constants from SecureTransport. The goal here is to provide the low-level API to SecureTransport. These are essentially the C-level functions and constants, and they're pretty gross to work with.

This code is a bastardised version of the code found in Will Bond's oscrypto library. An enormous debt is owed to him for blazing this trail for us. For that reason, this code should be considered to be covered both by urllib3's license and by oscrypto's:

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===

import platform
from ctypes.util import find_library
from ctypes import (c_void_p, c_int32, c_char_p, c_size_t, c_byte, c_uint32, c_ulong, c_long,
c_bool)
from ctypes import CDLL, POINTER, CFUNCTYPE
security_path = find_library('Security')
if not security_path:
    raise ImportError('The library Security could not be found')

core_foundation_path = find_library('CoreFoundation')
if not core_foundation_path:
    raise ImportError('The library CoreFoundation could not be found')

version = platform.mac_ver()[0]
version_info = tuple(map(int, version.split('.')))
if version_info < (10, 8):
    raise OSError(
        'Only OS X 10.8 and newer are supported, not %s.%s' % (
            version_info[0], version_info[1]
        )
    )

Security = CDLL(security_path, use_errno=True)
CoreFoundation = CDLL(core_foundation_path, use_errno=True)

Boolean = c_bool
CFIndex = c_long
CFStringEncoding = c_uint32
CFData = c_void_p
CFString = c_void_p
CFArray = c_void_p
CFMutableArray = c_void_p
CFDictionary = c_void_p
CFError = c_void_p
CFType = c_void_p
CFTypeID = c_ulong

CFTypeRef = POINTER(CFType)
CFAssociatorRef = c_void_p

OSStatus = c_int32

CFDataRef = POINTER(CFData)
CFStringRef = POINTER(CFString)
CFArraryRef = POINTER(CFArray)
CFMutableArrayRef = POINTER(CFMutableArray)
CFDictionaryRef = POINTER(CFDictionary)
CFArrayCallBacks = c_void_p
CFDictionaryKeyCallBacks = c_void_p
try:
    Security.SecItemImport.argtypes = [
        CFDataRef,
        CFStringRef,
        POINTER(SecExternalFormat),
        POINTER(SecExternalItemType),
        SecItemImportExportFlags,
        POINTER(SecItemImportExportKeyParameters),
        SecKeychainRef,
        POINTER(CFArrayRef),
    ]
    Security.SecItemImport.restype = OSStatus

    Security.SecCertificateGetTypeID.argtypes = []
    Security.SecCertificateGetTypeID.restype = CFTypeID

    Security.SecIdentityGetTypeID.argtypes = []
    Security.SecIdentityGetTypeID.restype = CFTypeID

    Security.SecKeyGetTypeID.argtypes = []
    Security.SecKeyGetTypeID.restype = CFTypeID

    Security.SecCertificateCreateWithData.argtypes = [
        CFAllocatorRef,
        CFDataRef
    ]
    Security.SecCertificateCreateWithData.restype = SecCertificateRef
Security.SecCertificateCopyData.argtypes = [SecCertificateRef]
Security.SecCertificateCopyData.restype = CFDataRef

Security.SecCopyErrorMessageString.argtypes = [OSStatus, c_void_p]
Security.SecCopyErrorMessageString.restype = CFStringRef

Security.SecIdentityCreateWithCertificate.argtypes = [CFTypeRef, SecCertificateRef, POINTER(SecIdentityRef)]
Security.SecIdentityCreateWithCertificate.restype = OSStatus

Security.SecKeychainCreate.argtypes = [c_char_p, c_uint32, c_void_p, Boolean, c_void_p, POINTER(SecKeychainRef)]
Security.SecKeychainCreate.restype = OSStatus

Security.SecKeychainDelete.argtypes = [SecKeychainRef]
Security.SecKeychainDelete.restype = OSStatus

Security.SecPKCS12Import.argtypes = [CFDataRef, CFDictionaryRef, POINTER(CFArrayRef)]
Security.SecPKCS12Import.restype = OSStatus

SSLReadFunc = CFUNCTYPE(OSStatus, SSLConnectionRef, c_void_p, POINTER(c_size_t))
SSLWriteFunc = CFUNCTYPE(OSStatus, SSLConnectionRef, POINTER(c_byte), POINTER(c_size_t))

Security.SSLSetIOFuncs.argtypes = [SSLContextRef, SSLReadFunc, SSLWriteFunc]
Security.SSLSetIOFuncs.restype = OSSstatus

Security.SSLSetPeerID.argtypes = [
    SSLContextRef,
    c_char_p,
    c_size_t
]

Security.SSLSetPeerID.restype = OSSstatus

Security.SSLSetCertificate.argtypes = [
    SSLContextRef,
    CFArrayRef
]

Security.SSLSetCertificate.restype = OSSstatus

Security.SSLSetCertificateAuthorities.argtypes = [
    SSLContextRef,
    CFTypeRef,
    Boolean
]

Security.SSLSetCertificateAuthorities.restype = OSSstatus

Security.SSLSetConnection.argtypes = [
    SSLContextRef,
    SSLConnectionRef
]

Security.SSLSetConnection.restype = OSSstatus

Security.SSLSetPeerDomainName.argtypes = [
    SSLContextRef,
    c_char_p,
    c_size_t
]

Security.SSLSetPeerDomainName.restype = OSSstatus

Security.SSLHandshake.argtypes = [
    SSLContextRef
]

Security.SSLHandshake.restype = OSSstatus

Security.SSLRead.argtypes = [
    SSLContextRef,
    c_char_p,
    c_size_t,
    POINTER(c_size_t)
]

Security.SSLRead.restype = OSSstatus
Security.SSLWrite.argtypes = [
    SSLContextRef,
    c_char_p,
    c_size_t,
    POINTER(c_size_t)
]
Security.SSLWrite.restype = OSStatus

Security.SSLClose.argtypes = [
    SSLContextRef
]
Security.SSLClose.restype = OSStatus

Security.SSLGetNumberSupportedCiphers.argtypes = [
    SSLContextRef,
    POINTER(c_size_t)
]
Security.SSLGetNumberSupportedCiphers.restype = OSStatus

Security.SSLGetSupportedCiphers.argtypes = [
    SSLContextRef,
    POINTER(SSLCipherSuite),
    POINTER(c_size_t)
]
Security.SSLGetSupportedCiphers.restype = OSStatus

Security.SSLSetEnabledCiphers.argtypes = [
    SSLContextRef,
    POINTER(SSLCipherSuite),
    c_size_t
]
Security.SSLSetEnabledCiphers.restype = OSStatus

Security.SSLGetNumberEnabledCiphers.argtype = [
    SSLContextRef,
    POINTER(c_size_t)
]
Security.SSLGetNumberEnabledCiphers.restype = OSStatus

Security.SSLGetEnabledCiphers.argtypes = [
    SSLContextRef,
    POINTER(SSLCipherSuite),
    POINTER(c_size_t)
]
Security.SSLGetEnabledCiphers.restype = OSStatus

Security.SSLGetNegotiatedCipher.argtypes = [  

SSLContextRef,
    POINTER(SSLCipherSuite)
]
Security.SSLGetNegotiatedCipher.restype = OStatus

Security.SSLGetNegotiatedProtocolVersion.argtypes = [
    SSLContextRef,
    POINTER(SSLProtocol)
]
Security.SSLGetNegotiatedProtocolVersion.restype = OStatus

Security.SSLCopyPeerTrust.argtypes = [
    SSLContextRef,
    POINTER(SecTrustRef)
]
Security.SSLCopyPeerTrust.restype = OStatus

Security.SecTrustSetAnchorCertificates.argtypes = [
    SecTrustRef,
    CFArrayRef
]
Security.SecTrustSetAnchorCertificates.restype = OStatus

Security.SecTrustSetAnchorCertificatesOnly.argstypes = [
    SecTrustRef,
    Boolean
]
Security.SecTrustSetAnchorCertificatesOnly.restype = OStatus

Security.SecTrustEvaluate.argtypes = [
    SecTrustRef,
    POINTER(SecTrustResultType)
]
Security.SecTrustEvaluate.restype = OStatus

Security.SecTrustGetCertificateCount.argtypes = [
    SecTrustRef
]
Security.SecTrustGetCertificateCount.restype = CFIndex

Security.SecTrustGetCertificateAtIndex.argtypes = [
    SecTrustRef,
    CFIndex
]
Security.SecTrustGetCertificateAtIndex.restype = SecCertificateRef

Security.SSLCreateContext.argtypes = [
    CFAlocatorRef,
SSLProtocolSide,
SSLConnectionType
]
Security.SSLCreateContext.restype = SSLContextRef

Security.SSLSetSessionOption.argtypes = [
    SSLContextRef,
    SSLSessionOption,
    Boolean
]
Security.SSLSetSessionOption.restype = OSStatus

Security.SSLSetProtocolVersionMin.argtypes = [
    SSLContextRef,
    SSLProtocol
]
Security.SSLSetProtocolVersionMin.restype = OSStatus

Security.SSLSetProtocolVersionMax.argtypes = [
    SSLContextRef,
    SSLProtocol
]
Security.SSLSetProtocolVersionMax.restype = OSStatus

Security.SecCopyErrorMessageString.argtypes = [
    OSStatus,
    c_void_p
]
Security.SecCopyErrorMessageString.restype = CFStringRef

Security.SSLReadFunc = SSLReadFunc
Security.SSLWriteFunc = SSLWriteFunc
Security.SSLContextRef = SSLContextRef
Security.SSLProtocol = SSLProtocol
Security.SSLCipherSuite = SSLCipherSuite
Security.SecIdentityRef = SecIdentityRef
Security.SecKeychainRef = SecKeychainRef
Security.SecTrustRef = SecTrustRef
Security.SecTrustResultType = SecTrustResultType
Security.SecExternalFormat = SecExternalFormat
Security.OSStatus = OSStatus

Security.kSecImportExportPassphrase = CFStringRef.in_dll(
    Security, 'kSecImportExportPassphrase'
)
Security.kSecImportItemIdentity = CFStringRef.in_dll(
    Security, 'kSecImportItemIdentity'
)
# CoreFoundation time!
CoreFoundation.CFRetain.argtypes = [  
    CFTYPERef  
]  
CoreFoundation.CFRetain.restype = CFTYPERef

CoreFoundation.CFRelease.argtypes = [  
    CFTYPERef  
]  
CoreFoundation.CFRelease.restype = None

CoreFoundation.CFGetTypeID.argtypes = [  
    CFTYPERef  
]  
CoreFoundation.CFGetTypeID.restype = CFTypeID

CoreFoundation.CFStringCreateWithCString.argtypes = [  
    CFAllocatorRef,  
    c_char_p,  
    CFStringEncoding  
]  
CoreFoundation.CFStringCreateWithCString.restype = CFStringRef

CoreFoundation.CFStringGetCStringPtr.argtypes = [  
    CFStringRef,  
    CFStringEncoding  
]  
CoreFoundation.CFStringGetCStringPtr.restype = c_char_p

CoreFoundation.CFStringGetCString.argtypes = [  
    CFStringRef,  
    c_char_p,  
    CFIndex,  
    CFStringEncoding  
]  
CoreFoundation.CFStringGetCString.restype = c_bool

CoreFoundation.CFDataCreate.argtypes = [  
    CFAllocatorRef,  
    c_char_p,  
    CFIndex  
]  
CoreFoundation.CFDataCreate.restype = CFDataRef

CoreFoundation.CFDataGetLength.argtypes = [  
    CFDataRef  
]  

CoreFoundation.CFDataGetLength.restype = CFIndex

CoreFoundation.CFDataGetBytePtr.argtypes = [
    CFDataRef
]
CoreFoundation.CFDataGetBytePtr.restype = c_void_p

CoreFoundation.CFDictionaryCreate.argtypes = [
    CFAllocatorRef,
    POINTER(CFTypeRef),
    POINTER(CFTypeRef),
    CFIndex,
    CFDictionaryKeyCallBacks,
    CFDictionaryValueCallBacks
]
CoreFoundation.CFDictionaryCreate.restype = CFDictionaryRef

CoreFoundation.CFDictionaryGetValue.argtypes = [
    CFDictionaryRef,
    CFTypeRef
]
CoreFoundation.CFDictionaryGetValue.restype = CFTypeRef

CoreFoundation.CFArrayCreate.argtypes = [
    CFAllocatorRef,
    POINTER(CFTypeRef),
    CFIndex,
    CFArrayCallBacks,
]
CoreFoundation.CFArrayCreate.restype = CFArrayRef

CoreFoundation.CFArrayCreateMutable.argtypes = [
    CFAllocatorRef,
    CFIndex,
    CFArrayCallBacks
]
CoreFoundation.CFArrayCreateMutable.restype = CFMutableArrayRef

CoreFoundation.CFArrayAppendValue.argtypes = [
    CFMutableArrayRef,
    c_void_p
]
CoreFoundation.CFArrayAppendValue.restype = None

CoreFoundation.CFArrayGetCount.argtypes = [
    CFArrayRef
]
CoreFoundation.CFArrayGetCount.restype = CFIndex
CoreFoundation.CFArrayGetValueAtIndex.argtypes = [
    CFArrayRef,
    CFIndex
]
CoreFoundation.CFArrayGetValueAtIndex.restype = c_void_p

CoreFoundation.kCFAllocatorDefault = CFAllocatorRef.in_dll(
    CoreFoundation, 'kCFAllocatorDefault'
)
CoreFoundation.kCFTypemArrayCallBacks = c_void_p.in_dll(CoreFoundation, 'kCFTypemArrayCallBacks')
CoreFoundation.kCFTypemDictionaryKeyCallBacks = c_void_p.in_dll(
    CoreFoundation, 'kCFTypemDictionaryKeyCallBacks'
)
CoreFoundation.kCFTypemDictionaryValueCallBacks = c_void_p.in_dll(
    CoreFoundation, 'kCFTypemDictionaryValueCallBacks'
)

CoreFoundation.CFTypem = CFTypem
CoreFoundation.CFArrayRef = CFArrayRef
CoreFoundation.CFStringRef = CFStringRef
CoreFoundation.CFDictionaryRef = CFDictionaryRef

except (AttributeError):
    raise ImportError('Error initializing ctypes')

class CFConst(object):
    
    A class object that acts as essentially a namespace for CoreFoundation constants.
    
    kCFStringEncodingUTF8 = CFStringEncoding(0x08000100)


class SecurityConst(object):
    
    A class object that acts as essentially a namespace for Security constants.
    
    kSSLSessionOptionBreakOnServerAuth = 0

    kSSLProtocol2 = 1
    kSSLProtocol3 = 2
    kTLSProtocol1 = 4
    kTLSProtocol11 = 7
    kTLSProtocol12 = 8

    kSSLClientSide = 1
kSSLStreamType = 0

kSecFormatPEMSequence = 10

kSecTrustResultInvalid = 0
kSecTrustResultProceed = 1
# This gap is present on purpose: this was kSecTrustResultConfirm, which
# is deprecated.
kSecTrustResultDeny = 3
kSecTrustResultUnspecified = 4
kSecTrustResultRecoverableTrustFailure = 5
kSecTrustResultFatalTrustFailure = 6
kSecTrustResultOtherError = 7

errSSLProtocol = -9800
errSSLWouldBlock = -9803
errSSLClosedGraceful = -9805
errSSLClosedNoNotify = -9816
errSSLClosedAbort = -9806

errSSLXCertChainInvalid = -9807
errSSLCrypto = -9809
errSSLInternal = -9810
errSSLCertExpired = -9814
errSSLCertNotYetValid = -9815
errSSLUnknownRootCert = -9812
errSSLNoRootCert = -9813
errSSLHostNameMismatch = -9843
errSSLPeerHandshakeFail = -9824
errSSLPeerUserCancelled = -9839
errSSLWeakPeerEphemeralDHKey = -9850
errSSLServerAuthCompleted = -9841
errSSLRecordOverflow = -9847

errSecVerifyFailed = -67808
errSecNoTrustSettings = -25263
errSecItemNotFound = -25300
errSecInvalidTrustSettings = -25262

# Cipher suites. We only pick the ones our default cipher string allows.
TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 = 0xC02C
TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 = 0xC030
TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 = 0xC02B
TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 = 0x00A3
TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 = 0x00A3
TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 = 0x009F
TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 = 0x00A2
TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 = 0x009E
TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 = 0xC024
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 = 0xC028
TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA = 0xC00A
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA = 0xC014
TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 = 0x006B
TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 = 0x006A
TLS_DHE_RSA_WITH_AES_256_CBC_SHA = 0x0039
TLS_DHE_DSS_WITH_AES_256_CBC_SHA = 0x0038
TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 = 0xC023
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 = 0xC027
TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA = 0xC009
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA = 0xC013
TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 = 0x0067
TLS_DHE_DSS_WITH_AES_128_CBC_SHA256 = 0x0040
TLS_DHE_RSA_WITH_AES_128_CBC_SHA = 0x0033
TLS_DHE_DSS_WITH_AES_128_CBC_SHA = 0x0032
TLS_RSA_WITH_AES_256_GCM_SHA384 = 0x009D
TLS_RSA_WITH_AES_256_CBC_SHA256 = 0x003D
TLS_RSA_WITH_AES_256_CBC_SHA = 0x0035
TLS_RSA_WITH_AES_128_GCM_SHA256 = 0x009C
TLS_RSA_WITH_AES_128_CBC_SHA256 = 0x003C
TLS_RSA_WITH_AES_128_CBC_SHA = 0x002F

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Requests includes some vendorized python libraries to ease installation.

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1.127 requests 2.19.1

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1.128 retrying 1.3.3

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1.129 rstr 2.2.6

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1.130 scikit-build 0.6.1

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"""This module defines object specific to BSD platform."""

from . import unix

class BSDPlatform(unix.UnixPlatform):
    """BSD implementation of :class:`.abstract.CMakePlatform`."""
    pass

1.131 scikit-learn 0.19.2
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## 1.150 typing-3.6.1 3.6.1

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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.

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2.1.1 2.1+2.0.1 2001 PSF yes
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1.151 universal-cookie 3.0.4

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1.152 urllib3 1.23

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# 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 HTTPSConectionPool)

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

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConectionPool
  * 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/@WBRSSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

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

* georgemarshall <http://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@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://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 <http://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 <http://grunseid.com>
* source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graaffatcolmingov@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

* Benjamen 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

* Jon Wayne Parrott <jonwayne@google.com>
  * App Engine environment tests.

* 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

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

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1.157 xmltodict 0.11.0

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