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#!/usr/bin/python3
WARNING: The code you are about to view is DISGUSTING
I wrote most of it months ago, so don't ask me what it's doing, or why.
import struct
from ctypes import *
# BEGIN ZIP FILE STRUCTURES
class LocalFileHeader(Structure):
         class CentralDirectory(Structure):
class EndCentralDirectory(Structure):
          \begin{array}{lll} CENTRAL\_DIRECTORY\_MAGIC & b"PK\x01\x02"\\ LOCAL\_FILE\_HEADER\_MAGIC & b"PK\x03\x04"\\ END\_CENTRAL\_DIRECTORY\_MAGIC & b"PK\x05\x06"\\ \end{array} 
# END ZIP FILE STRUCTURES
if len(sys.argv) != 4:
    exit("USAGE: {} cover.jpg data.zip output.zip.jpg".format(sys.argv[0]))
cover_file, data_zipfile, output_file = sys.argv[1:]
data = open(cover_file, "rb")
# BEGIN HACKY JPEG FILE PARSING
soi = data.read(2)
assert(soi == b"\xff\xd8")
segren = struct.unpack(">H", (
#print(seglen)
segdata = data.read(seglen-2)
sos_index = data.tell()-2
data.seek(0)
orig_data = data.read()
# END HACKY JPEG FILE PARSING
# BEGIN HACKY ZIP FILE PARSING
idx = 0
file_datas = []
dirents = []
enddir = None
while idx < len(zipdata)
         magic = zipdata[idx:idx+4]
if magic == LOCAL_FILE_HEADER_MAGIC:
    start = idx
                   start = idx
h = LocalFileHeader.from_buffer_copy(zipdata[idx:])
idx += sizeof(h)
filename = zipdata[idx:idx+h.filename_len]
idx += h.filename_len
extra = zipdata[idx:idx+h.extra_len]
idx += h.extra_len
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file_data = zipdata[idx:idx+h.comp_size]
                                                  idx += h.comp size
                                                 file datas.append(zipdata[start:idx])
                        #print(getdict(h))
print("File {} is {} bytes (compressed)".format(filename, h.comp_size))
elif magic = CENTRAL_DIRECTORY_MAGIC:
    h = CentralDirectory.from_buffer_copy(zipdata[idx:])
                                                 idx += sizeof(h)
                                                idx += sizeof(h)
data_start = idx
filename = zipdata[idx:idx+h.filename_len]
idx += h.filename_len
extra = zipdata[idx:idx+h.extra_len]
idx += h.extra_len
                                                 dirents.append((h, zipdata[data_start:idx]))
                                                 #print(getdict(h))
                        #print(getdict(h))
print("Local file header for {} is at offset {}".format(filename, h.local_header_offset))
elif magic == END_CENTRAL_DIRECTORY_MAGIC:
    h = EndCentralDirectory.from_buffer_copy(zipdata[idx:])
    idx += sizeof(h)
                                                 enddir = h
                                               print(getdict(h))
                                                 print("UNKNOWN MAGIC: {}".format(magic))
break
# END HACKY ZIP FILE PARSING
# BEGIN PACKING ZIP SECTIONS
 #TODO: more intelligent chunk packing
value = b""
value_offset = sos_index + 162
 for i, file in enumerate(zip(file_datas, dirents)):
                        file in enumerate(zip(file_datas, dirents)):
data, dirent = file
chunk_size = 65521 if i else 65376
if len(data) > chunk_size:
    exit("Oops, one of the files is too big")
dirent[0].local_header_offset = value_offset
value += data + b"A"*(chunk_size-len(data))
value_offset += chunk_size + 18
enddir.central dir offset = value offset
for dirent in dirents:
    value += bytes(dirent[0]) + dirent[1]
 value += bytes(enddir)
# END PACKING ZIP SECTIONS
# BEGIN ICC PROFILE INSERTION
 ]
icc_table = struct.pack(">I", len(table_ents))
icc_table_data = b""
i = 128+4+len(table_ents)*12
for tag, value in table_ents:
    icc_table += struct.pack(">4sII", tag, i, len(value))
    i += len(value)
    icc_table_data += value
icc_table_data += value
icc\_data = struct.pack(">I", 4+len(icc\_header)+len(icc\_table)) + icc\_header + icc\_table \\ nchunks = len(icc\_data)//0xFFEF + 1
new_file = orig_data[:sos_index]
 for i in range(nchunks):
                       in range(nchunks):
start = 1*00*FFFF
end = (i+1)*0xFFFF
chunk = icc_data[start:end]
#print(hex(len(chunk)))
new_file += b"\xrf{\xe2"
new_file += b\xrf{\xe2"
xrf{\xe2"
new_file += orig_data[sos_index:]
# END ICC PROFILE INSERTION
with open(output_file, "wb") as f:
     f.write(new_file)
```