

A "Project.exe" that should have stayed in a drawer - MZRevenge / MaMo434376

dissectingmalware.com/a-projectexe-that-should-have-stayed-in-a-drawer-mzrevenge-mamo434376.html

Wed 11 December 2019 in [Ransomware](#)

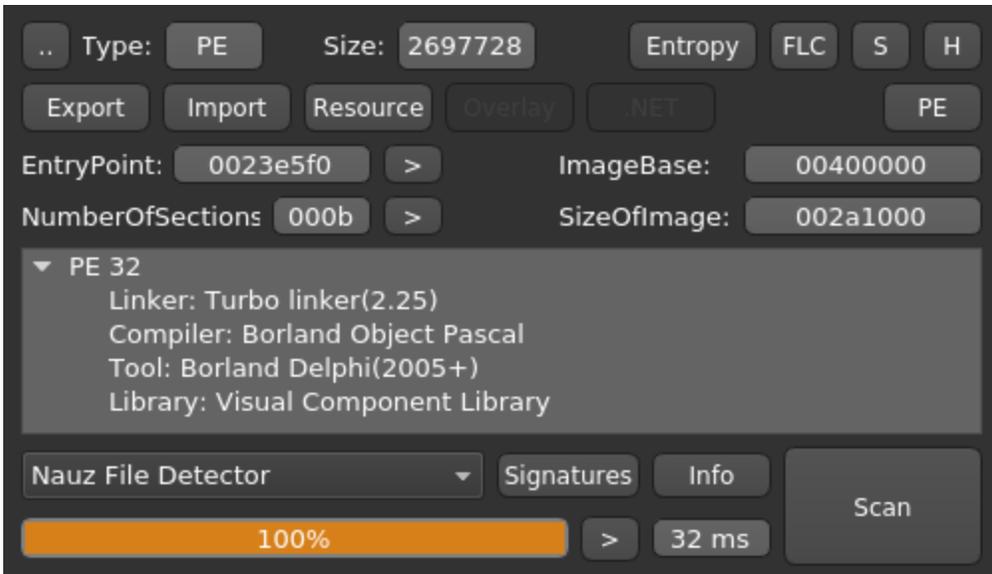
I first read about this strain on Twitter but it didn't seem like a big thing. Turns out I Was wrong: In the last 3 days I collected over 35 samples :O



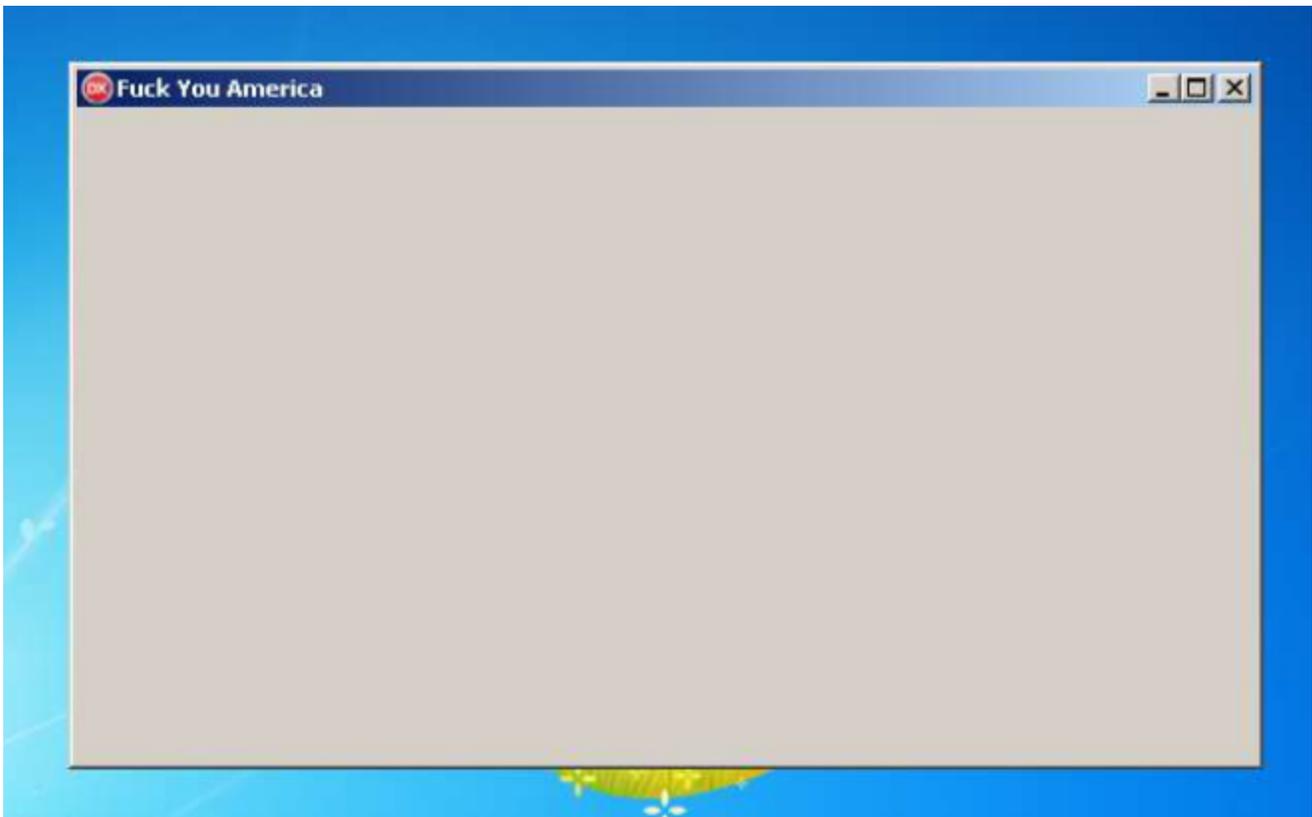
Searching for "Project.exe" on AnyRun yields more than a healthy list of results all matching this strain.

OS / Date	Activity	File Name	SHA1	SHA256
Windows 7 Professional 32bit 09 December 2019, 06:36	Malicious activity	Project.exe PE32 executable (GUI) Intel 80386, for MS Windows ransomware	MDS: 663f4d587d080c594579c8138e22	SHA1: 968af5b082b8e586c491a185f1843376162ef
Windows 7 Professional 32bit 09 December 2019, 06:21	Malicious activity	Project.exe PE32 executable (GUI) Intel 80386, for MS Windows ransomware	MDS: 89824f1628b480645e78011268478	SHA1: D9680a718865e7854f798e93a9184f5a8a8001
Windows 7 Professional 32bit 09 December 2019, 06:19	Malicious activity	Project.exe PE32 executable (GUI) Intel 80386, for MS Windows ransomware	MDS: 2454f05f4ea770c72e3749236622071	SHA1: 6cf1cf9b48e8b14e5c3a2e1f71acadaa99a23
Windows 7 Professional 32bit 09 December 2019, 06:17	Malicious activity	Project.exe PE32 executable (GUI) Intel 80386, for MS Windows ransomware	MDS: 48bd9f76e48988d8c8f8f3ca70a738	SHA1: B76559AC38BE1C02811F05F09A88AC145C37D
Windows 7 Professional 32bit 09 December 2019, 06:15	Malicious activity	Project.exe PE32 executable (GUI) Intel 80386, for MS Windows ransomware	MDS: 01f91e2080539a3048e5269547938	SHA1: 4e2c0c0587803744e8b457442420034404
Windows 7 Professional 32bit 09 December 2019, 06:13	Malicious activity	Project.exe PE32 executable (GUI) Intel 80386, for MS Windows ransomware	MDS: f0a2f488e0ee217c28240689248f	SHA1: dc9933c28f166e602950755818fff82a3a
Windows 7 Professional 32bit 09 December 2019, 06:12	Malicious activity	Project.exe PE32 executable (GUI) Intel 80386, for MS Windows ransomware	MDS: 6588c476678f8e29879878037318319882648D	SHA1: BE88043f984f9c9677f0ca99446241E9c2830E8cY3BE58860419816B168A
Windows 7 Professional 32bit 09 December 2019, 06:07	Malicious activity	Project.exe PE32 executable (GUI) Intel 80386, for MS Windows ransomware	MDS: 980571c7641892f88a28029e7a10f2	SHA1: 88480f307409851E830635440244A4c445E2D
Windows 7 Professional 32bit 09 December 2019, 06:04	Malicious activity	Project.exe PE32 executable (GUI) Intel 80386, for MS Windows ransomware	MDS: 47023f78066488f541183295650048	SHA1: F838E1580f2e2573D7EA338f269784373E6
Windows 7 Professional 32bit 09 December 2019, 05:24	Malicious activity	Project.exe PE32 executable (GUI) Intel 80386, for MS Windows ransomware	MDS: E118975741097085040F086CE4E33f	SHA1: 874879E40C7D04fA117D865E97E338388FD04

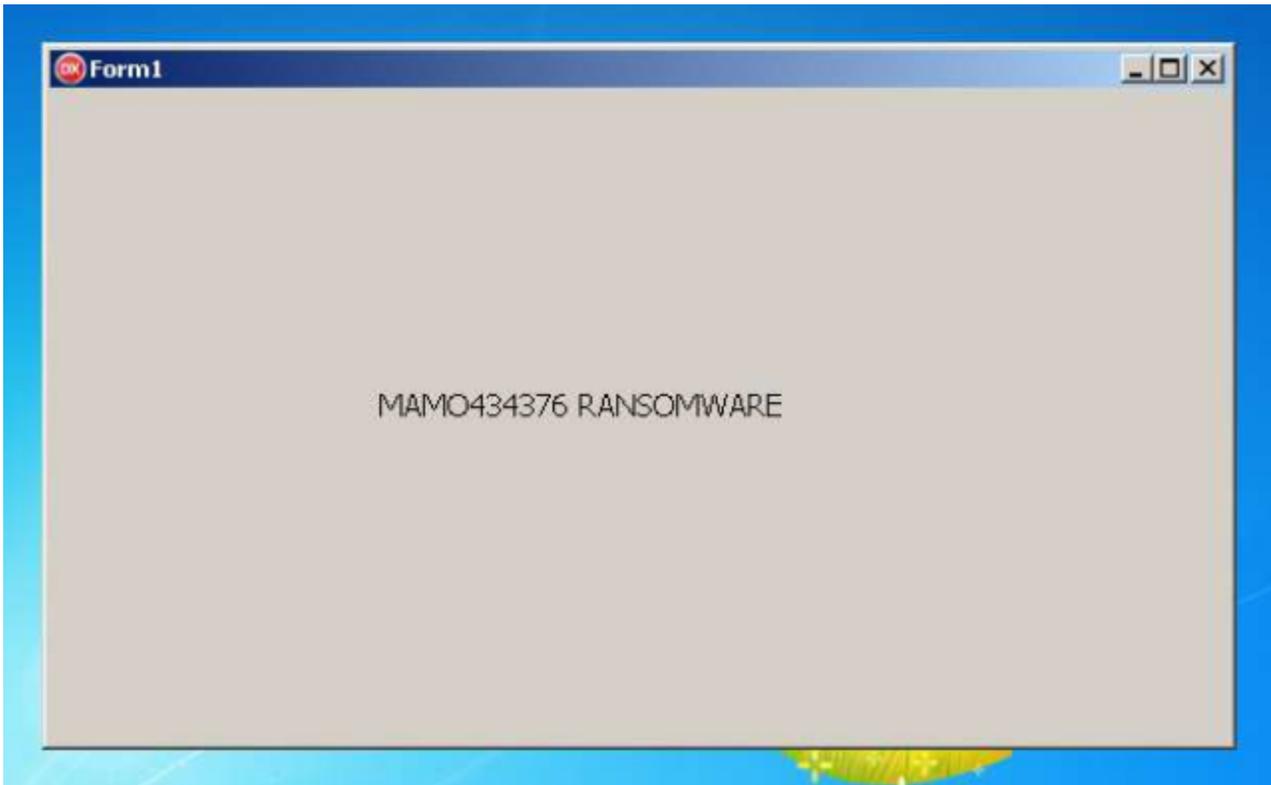
Oh would you look at that: Looks like we have a Borland Delphi application here 🤖



Yep, it's that ugly it definitely is Delphi :D And the criminals seem to have a very strong opinion about the Land of the Free but no arguments to back it up (since the rest of the form is empty).



The other strain uses a similar Form Window but actually displays its name in there (but they saved on the Window Title).



MZ Revenge and MaMo add these extensions to encrypted files respectively: *.MZ173801* and *.MaMo434376*. It seems to drop the Ransomnotes into the Library Folders, once into %appdata%\Microsoft\Windows\Recent and into the root of every (unmounted) storage device.

+34944ms	C:\Users\admin\AppData\Roaming\Microsoft\Windows\Recent\Read_ME_PLS.txt	Size: 578 b	MD5: D352855FB01E04E00E8E6844A0C5301E
+34944ms	C:\Users\admin\Pictures\Read_ME_PLS.txt	Size: 578 b	MD5: D352855FB01E04E00E8E6844A0C5301E
+34944ms	C:\Users\admin\Music\Read_ME_PLS.txt	Size: 578 b	MD5: D352855FB01E04E00E8E6844A0C5301E
+34944ms	C:\Users\admin\Videos\Read_ME_PLS.txt	Size: 578 b	MD5: D352855FB01E04E00E8E6844A0C5301E
+34944ms	C:\Users\admin\Documents\Read_ME_PLS.txt	Size: 578 b	MD5: D352855FB01E04E00E8E6844A0C5301E
+34944ms	C:\Users\admin\Desktop\Read_ME_PLS.txt	Size: 578 b	MD5: D352855FB01E04E00E8E6844A0C5301E
+34944ms	C:\Users\admin\Downloads\Read_ME_PLS.txt	Size: 578 b	MD5: D352855FB01E04E00E8E6844A0C5301E

The [#KesLan](#) and [#MZREVENGE](#) [#Ransomware](#) authors are the same person, the canonical name is [#MaMo434376](#) (as referred in the code) cc [@BleepinComputer](#) [@demonslay335](#) [@GrujaRS](#) [@raby_mr](#) [@Amigo_A](#) pic.twitter.com/HQCuTWgJoH

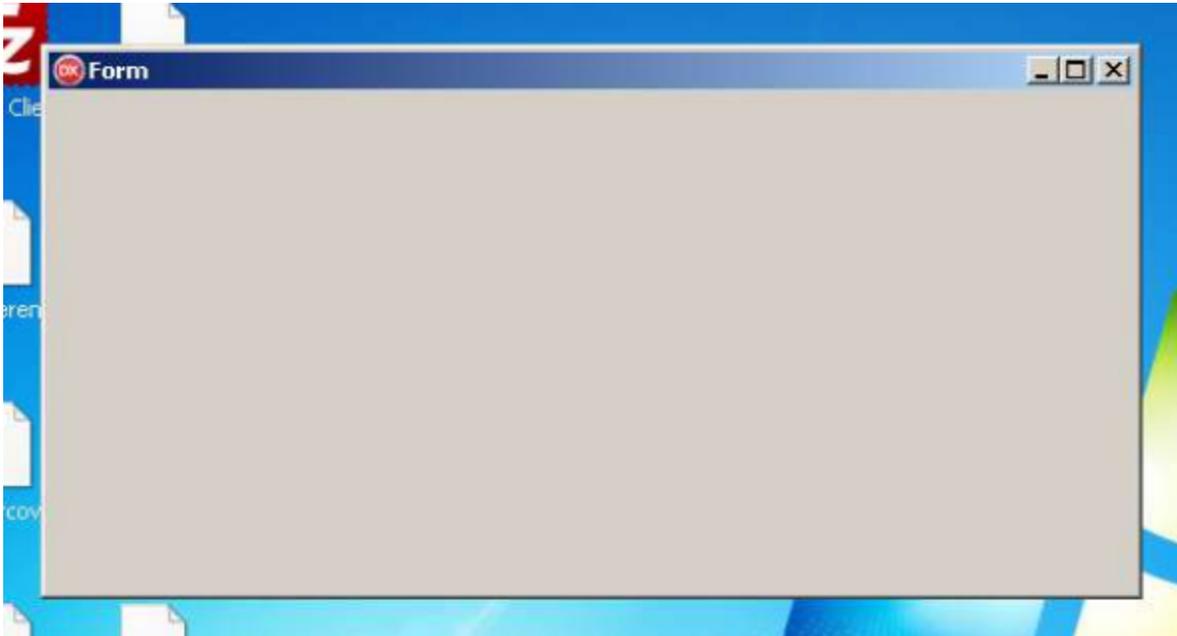
— HILDACRYPT (@HILDAKRYPT) [December 11, 2019](#)

Update 15.12.2019:

A new Version of this strain was found to be appending `.aes` to encrypted files. This time there is no ransomnote though, so let's see if this is a malfunction or intentional.

The Any.Run Analysis can be found [here](#).

Visually this sample resembles the look of the "MZ Revenge 1.0" strain with an empty Form and the red DX icon.



MITRE ATT&CK

T1215 --> Kernel Modules and Extensions --> Persistence

T1045 --> Software Packing --> Defense Evasion

T1056 --> Input Capture --> Credential Access

T1012 --> Query Registry --> Discovery

T1124 --> System Time Discovery --> Discovery

T1083 --> File and Directory Discovery --> Discovery

T1076 --> Remote Desktop Protocol --> Lateral Movement

T1056 --> Input Capture --> Collection

T1115 --> Clipboard Data --> Collection

IOCs

MZRevenge / MaMo434376

"MZ Revenge 1.0":

7a92a80e742dbcb0d30948dbf6c4d7a6236a5692c5864a1276cfc84d5c71e375
00c84efdebc555191ec91999a7f85c4ab0a6e7236dc477c7e4eb487152211336
a90c73a86a2771f6bff2cfc34d5798b71603da49105342a0a00324b7b6c63018
6907a7689375a06c4f3d5c9d99074c9242342c0e813e669a03a07899740dcfa8
f9cb03dbec628694f81c015b6799e3305f4941dab95d6f67343ef2c2dd2fb891
734a6461eed16f83a355d22ecea28c993ef350a9ea925e2a68caea404f1c0a42
be880ab3f9b4f9cd967fdca899446241e962b3de8c938ed58b69d419b1b6168a
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75b6e08e9a0ec989d4936dbbca7dc4ae5cf05ee0f4a7bc4ebccbf5bc81ac9518
32c666ae39cced01978d43a878b4708cb4f4e7051c6d22f9a11c35ce6176151d
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00144748f68a6fe3a7cd98539043698a49fd1e020a6465d5f6e07542712ec014
d8cff0354008b6fd2ea362d33609099eaedc13c5c7c759e2ad9ad998e0b00cda
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9f28d3d3b8f6078c98d5831a3f1996c28fc14209f2240cc87bf70d20ffac371f
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4af2825b70fa4006d56a1faf40062e4a614dfa3de79a197bc268cd708709d4ec
3f35a62f5e2fcb8f74d3aeca7e7de4bd9834c9400d33a716b74bbe28cf156f142
0b7974582bb4e9c7de0c04618f307e7cbb4bba644c99f165be54117abeb32d43
91d490cabd6776df1bcf26fa17cf9a13663bd79c1b5087ea718248f602d8df0e

"MaMo434376":

3276ab52336b9bc944717cfee706301326addf339891092fb0697d7b93960fa4
10e37630cb1d050911f0c6c094d9c8218622887695960e35f98a596a2ed4de8d
bbfa50b69c3ce9274f8c207dc6eb9caee6e55481440dfde23b85e9aa891ae53d
02101d26f1ac2b3a9188489e4d2f4eeef648916c6a346d3318c36c2622754cbc
bbb26303554c109d62b6f340045c04083ce04d5b6d94ac3a221223187a977072
d7d908991970c971bcc0239654e437c22a987160422c70a838a016c5770caa72

Version 2:

70733389c89b4358f04575226a8ce60c4511018c98731a2ff7f556c29447e4a4

Registry Keys

HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\System
--> DisableTaskMgr = 1

HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Internet Settings\ZoneMap
--> UNCAsIntranet = 0

E-Mail Addresses

helpdesk_mz@aol[.]com

Ransomnote V1

ATTENTION!

Don*t worry, you can return all your files!

All your files like photos, databases, documents and other important are encrypted with strongest encryption and unique key.

The only method of recovering files is to purchase decrypt tool and unique key for you.

This software will decrypt all your encrypted files.

What guarantees you have?

You can send one of your encrypted file from your PC and we decrypt it for free.

But we can decrypt only 1 file for free. File must not contain valuable information.

Price of private key and decrypt software is \$300.

Discount 50% available if you contact us first 72 hours, thats price for you is \$150.

Please note that you*ll never restore your data without payment.

Check your e-mail "Spam" or "Junk" folder if you don*t get answer more than 6 hours.

e-mail address to send your file and To get this software you need write on my e-mail:

helpdesk_mz@aol.com

Your Decryption Key (DO NOT WIPE OR CHANGE THIS SWITCH!) :

[redacted]

Ransomnote V2

---> MZ REVENGE 1.0 <---

Dont worry, some of your files have extension .MZ173801 and they are encrypted.

In confirmatiom, that we have private decryption key,

We can provide test decryption for 1 file (png,jpg,bmp,gif).

Its a business, if we cant provide full decryption, other people wont trust us.

There is no way to decrypt your files without our help.

Dont trust anyone. Even your cat.

Main mail: helpdesk_mz@aol.com

Dont change decryption key below!!!

MZ DECRYPTION KEY:

[redacted]
