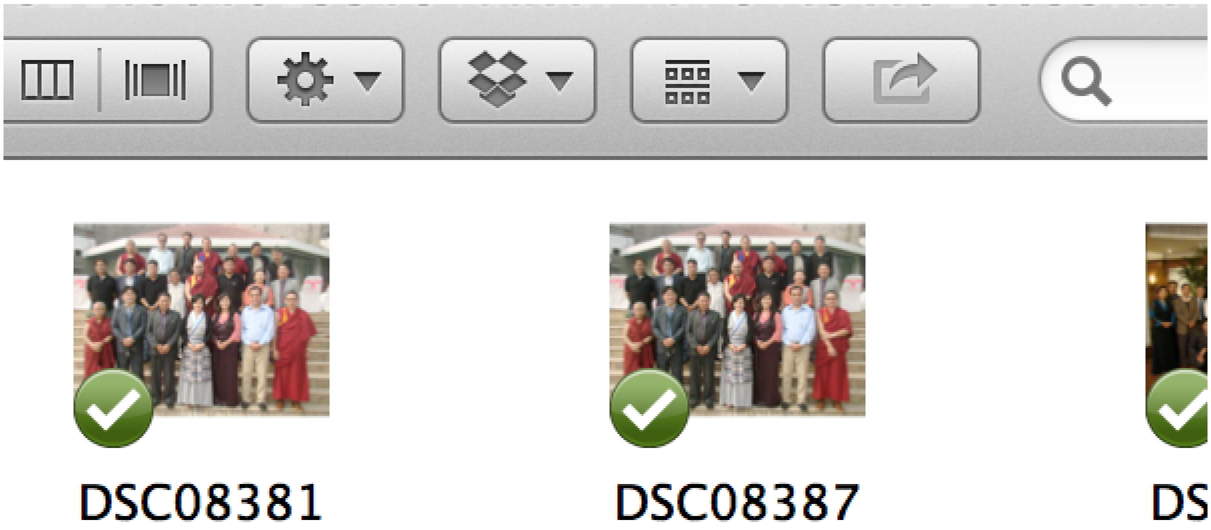
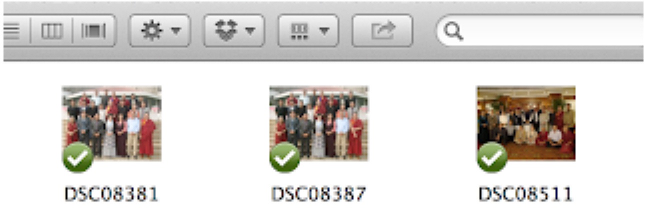
Group Photos.zip OSX/Revir | OSX/iMuler samples March 2012-November 2012

contagiodump.blogspot.com/2012/11/group-photoszip-osxrevir-osximuler.html





Sophos posted information about a variant of iMuler OSX trojan targeting Tibet activists (New variant of Mac Trojan discovered, targeting Tibet) and posted the MD5 2d84bfbae1f1b7ab0fc1ca9dd372d35e (FileAgent 37.3 KB) of the trojan . This post is for the actual dropper, which is a full 1.9 MB package (Group photo.zip MD5: 9e34256ded3a2ead43f7a51b9f197937)

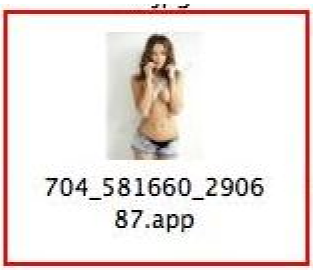
I don't have a Mac OS VM handy tonight to provide more details about the traffic or behavior so I will just describe the package and post the previous version of the same trojan that was targeting fans of Russian topless models.

Download

Download files listed below (email me if you need the password)

October 2012

File: Group photo.zip Size: 1976395
MD5: 9E34256DED3A2EAD43F7A51B9F197937



OSX/iMuler 2012-03
img. by ESET

March 2012

Read: ESET OSX/Imuler updated: still a threat on Mac OS X

1. 7dba3a178662e7ff904d12f260f0fff3 (Installer)
2. 9d2462920fdaed5e360875fb0cf8274f (malicious payload))
3. D029E0D44F07F9F4566B0FCE93D8A17E (payload variant)
4. e00a280ad29440dcaab42ad093bcaafd (uploader module)

File Information

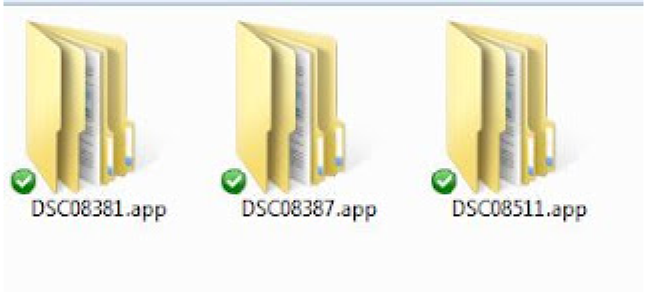
Just like the previous version of iMuler, this trojan hides inside a zip package with application bundle files .app disguised as photos. Default installation of Mac OS will show those app files like any images files - see above. Clicking on them to expand would install the trojan.
The screenshot made from Windows and list of files shows clearly that these are not just images.

```
├──DSC08381.app
│   └──Contents
│       │ Info.plist
│       │ PkgInfo
```

```
|       |
|       ├───MacOS
|       |      .cnf
|       |      .confr  <<<< Image file
|       |      .conft
```

```
|       |      FileAgent    <<<< MD5:
2D84BFBAE1F1B7AB0FC1CA9DD372D35E (Virustotal 6/44)
|       |
|       └───Resources
|           |   co.icns
|           |
|           └───English.lproj
|                 InfoPlist.strings
|                 MainMenu.nib
```

```
|
├───DSC08387.app
|   └───Contents
|       |   Info.plist
|       |   PkgInfo
|       |
|       ├───MacOS
|       |      .cnf
|       |      .confr   <<<< Image file
|       |      .conft
|       |      FileAgent  <<<< MD5:  2D84BFBAE1F1B7AB0FC1CA9DD372D35E  (Virustotal
6/44)
|       |
|       └───Resources
|           |   co.icns
|           |
|           └───English.lproj
|
│                InfoPlist.strings
│                MainMenu.nib
│
└───DSC08511.app
    └───Contents
        │  Info.plist
        │  PkgInfo
        │
        ├───MacOS
        │      .cnf
        │      .confr  <<<< Image file
        │      .conft
        │      FileAgent  <<<< MD5:  2D84BFBAE1F1B7AB0FC1CA9DD372D35E  (Virustotal 6/44)
        │
        └───Resources
            │  co.icns
            │
            └───English.lproj
                  InfoPlist.strings
                  MainMenu.nib
```



```
File: FileAgent
MD5:  2d84bfbae1f1b7ab0fc1ca9dd372d35e
Size: 38212

Ascii Strings:
---------------------------------------------------------------------------
__PAGEZERO
__TEXT
__text
__TEXT
__cstring
```

```
__TEXT
__DATA
__data
__DATA
__dyld
__DATA
__OBJC
__image_info
__OBJC
__IMPORT
__jump_table
__IMPORT
__LINKEDIT
/usr/lib/dyld
/System/Library/Frameworks/Cocoa.framework/Versions/A/Cocoa
/usr/lib/libcrypto.0.9.7.dylib
/usr/lib/libgcc_s.1.dylib
/usr/lib/libSystem.B.dylib
FILE
AGEN
TVer
.conf
.conf
.cnf
TMPA
AABBf
/tmp
/Spo
tligf
/tmpf
TMPA
AABBf
rm -
rf "
/tmp
/tmp/Spotlight
/tmp/Spotlight&
/tmp/launch-ICS000
#!/bin/sh
open "
dyld_stub_binding_helper
__dyld_func_lookup
```

```
_init_daemon
_encryptFile
_copyfile
_main
_NXArgc
_NXArgv
___progname
__mh_execute_header
_environ
start
_RC4
_RC4_set_key
_access
_chdir
_chmod$UNIX2003
_close$UNIX2003
_exit
_fclose
_fopen
_fork
_fread
_free
_fwrite$UNIX2003
_malloc
_memset
_setsid
_strcat
_strcpy
_strlen
_system$UNIX2003
_umask
/Users/imac/Desktop/macback/FileAgent/main.m
/Users/imac/Desktop/macback/FileAgent/build/FileAgent.build/Release/FileAgent.build/Objects-normal/i386/main.o
_init_daemon
_encryptFile
_copyfile
_main
8__PAGEZERO
__TEXT
__text
__TEXT
```

```
__symbol_stub1
__TEXT
__cstring
__TEXT
__DATA
__data
__DATA
__dyld
__DATA
__la_symbol_ptr
__DATA
|__OBJC
__image_info
__OBJC
8__LINKEDIT
/usr/lib/dyld
/System/Library/Frameworks/Cocoa.framework/Versions/A/Cocoa
/usr/lib/libcrypto.0.9.7.dylib
/usr/lib/libgcc_s.1.dylib
/usr/lib/libSystem.B.dylib
+x8B
P8`(
x8`(
#x|~
 /tmp
FILEAGENTVer1.0
.confr
.conft
.cnf
TMPAAABBB
/tmp/Spotlight
/tmp/Spotlight&
/tmp/
/tmp/launch-ICS000
#!/bin/sh
open "
rm -rf "
dyld_stub_binding_helper
__dyld_func_lookup
_init_daemon
_encryptFile
_copyfile
```

```
_main
_NXArgc
_NXArgv
___progname
__mh_execute_header
_environ
start
_RC4
_RC4_set_key
_access
_chdir
_chmod$UNIX2003
_close$UNIX2003
_exit
_fclose
_fopen
_fork
_fread
_free
_fwrite$UNIX2003
_malloc
_memset
_setsid
_strcat
_strcpy
_strlen
_system$UNIX2003
_umask
/Users/imac/Desktop/macback/FileAgent/main.m
/Users/imac/Desktop/macback/FileAgent/build/FileAgent.build/Release/FileAgent.build/Objects-normal/ppc/main.o
_init_daemon
_encryptFile
_copyfile
_main

Unicode Strings:
---------------------------------------------------------------------------
```

Automatic scans

Dropper
https://www.virustotal.com/file/da7a5e69f1d5e4f77321b90b6153b84daed74d784e5ce016053fec7fcf5aea0a/analysis/1352874459/

SHA256: da7a5e69f1d5e4f77321b90b6153b84daed74d784e5ce016053fec7fcf5aea0a
SHA1: b70505e0e8607b94f1f8437f8298d907168d37d5
MD5: 9e34256ded3a2ead43f7a51b9f197937
File size: 1.9 MB (1976395 bytes)
File name: vti-rescan
File type: ZIP
Detection ratio: 6 / 44
Analysis date: 2012-11-14 06:27:39 UTC (0 minutes ago)
DrWeb Trojan.Muxler.7 20121114
ESET-NOD32 OSX/Imuler.E 20121113
F-Secure Trojan-Dropper:OSX/Revir.D 20121114
Sophos OSX/Imuler-B 20121114
TrendMicro OSX_IMULER.D 20121114
TrendMicro-HouseCall OSX_IMULER.D 20121114

https://www.virustotal.com/file/574bf26b5da7b8c400d85e48fad3c9ab3ff6fa432f80b46d3bd509940b04f373/analysis/
SHA256: 574bf26b5da7b8c400d85e48fad3c9ab3ff6fa432f80b46d3bd509940b04f373
SHA1: 782312db766a42337af30093a2fd358eeed97f53
MD5: 2d84bfbae1f1b7ab0fc1ca9dd372d35e
File size: 37.3 KB (38212 bytes)
File name: vti-rescan
File type: unknown
Detection ratio: 6 / 44
Analysis date: 2012-11-13 20:41:37 UTC (9 hours, 8 minutes ago)
DrWeb Trojan.Muxler.7 20121113
ESET-NOD32 OSX/Imuler.E 20121113
F-Secure Trojan-Dropper:OSX/Revir.D 20121113
Sophos OSX/Imuler-B 20121113
TrendMicro OSX_IMULER.D 20121113
TrendMicro-HouseCall OSX_IMULER.D 20121113