Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details

Host: mag2, Sample ID: 144, Task ID: 575

Task ID: 575 Risk Level: 6

Date Processed: 2016-04-28 13:03:04 (UTC)

Processing Time: 61.1 seconds
Virtual Environment: IntelliVM

Execution Arguments: "c:\windows\temp\0998d4de26a0b7b5c023716c5419947e.exe"

Sample ID: 144
Type: basic
Owner: admin

Label: 0998d4de26a0b7b5c023716c5419947e

Date Added: 2016-04-28 12:45:05 (UTC)

File Type: PE32:win32:gui File Size: 121110 bytes

MD5: 0998d4de26a0b7b5c023716c5419947e

SHA256: a61f5e78f9a03c1fba11f604818763e54026c02bac197d1570bf787c1c02b95f

Description: None

Pattern Matching Results

6 Renames file on boot

2 PE: Nonstandard section

- 5 Creates process in suspicious location
- 4 Packer: NSIS [Nullsoft Scriptable Install System]
- 5 PE: Contains compressed section

Static Events

Anomaly: PE: Contains a virtual section

Anomaly: PE: Contains one or more non-standard sections

Process/Thread Events

Creates process: C:\WINDOWS\Temp\0998d4de26a0b7b5c023716c5419947e.exe

["c:\windows\temp\0998d4de26a0b7b5c023716c5419947e.exe"]

Creates process: C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Au_.exe

["C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Au_.exe" _?=c:\windows\temp\]

Terminates process: C:\WINDOWS\Temp\0998d4de26a0b7b5c023716c5419947e.exe

Named Object Events

Creates mutex: \BaseNamedObjects\CTF.LBES.MutexDefaultS-1-5-21-1757981266-507921405-

1957994488-1003

Creates mutex: \BaseNamedObjects\CTF.Compart.MutexDefaultS-1-5-21-1757981266-507921405-

1957994488-1003

Creates mutex: \BaseNamedObjects\CTF.Asm.MutexDefaultS-1-5-21-1757981266-507921405-

1957994488-1003

Creates mutex: \BaseNamedObjects\CTF.Layouts.MutexDefaultS-1-5-21-1757981266-507921405-

1957994488-1003

Creates mutex: \BaseNamedObjects\CTF.TMD.MutexDefaultS-1-5-21-1757981266-507921405-

1957994488-1003

Creates mutex: \BaseNamedObjects\CTF.TimListCache.FMPDefaultS-1-5-21-1757981266-

507921405-1957994488-1003MUTEX.DefaultS-1-5-21-1757981266-507921405-1957994488-1003

Creates mutex: \BaseNamedObjects\MSCTF.Shared.MUTEX.MGH

Creates semaphore: \BaseNamedObjects\shell.{A48F1A32-A340-11D1-BC6B-00A0C90312E1} Creates semaphore: \BaseNamedObjects\shell.{7CB834F0-527B-11D2-9D1F-0000F805CA57}

File System Events

```
C:\DOCUME~1\Admin\LOCALS~1\Temp\
 Creates:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsr1.tmp
 Creates:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsl2.tmp
 Creates:
                         C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp
 Creates:
 Creates:
                         C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp\Au_.exe
 Creates:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsd3.tmp
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsf4.tmp
 Creates:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsp5.tmp
 Creates:
 Creates:
                         C:\DOCUME~1
 Creates:
                         C:\DOCUME~1\Admin
 Creates:
                         C:\DOCUME~1\Admin\LOCALS~1
 Creates:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp
 Creates:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsp5.tmp\modern-
header.bmp
                         C:\WINDOWS\Prefetch\0998D4DE26A0B7B5C023716C54199-1FF5929A.pf
 Opens:
                         C:\Documents and Settings\Admin
 Opens:
                         C:\WINDOWS\WinSxS\x86_Microsoft.Windows.Common-
 Opens:
Controls_6595b64144ccf1df_6.0.2600.5512_x-ww_35d4ce83
                         C:\WINDOWS\WinSxS\x86_Microsoft.Windows.Common-
 Opens:
Controls_6595b64144ccf1df_6.0.2600.5512_x-ww_35d4ce83\comctl32.dll
 Opens:
                         C:\WINDOWS\system32\imm32.dll
 Opens:
                         C:\WINDOWS\system32\shell32.dll
 Opens:
                         C:\WINDOWS\system32\SHELL32.dll.124.Manifest
                         C:\WINDOWS\system32\SHELL32.dll.124.Config
 Opens:
 Opens:
                         C:\WINDOWS\WindowsShell.Manifest
 Opens:
                         C:\WINDOWS\WindowsShell.Config
 Opens:
                         C:\WINDOWS\system32\rpcss.dll
 Opens:
                         C:\WINDOWS\system32\MSCTF.dll
 Opens:
                         C:\WINDOWS\system32\shfolder.dll
 Opens:
                         C:\WINDOWS\system32\setupapi.dll
 Opens:
                         C:\
 Opens:
                         C:\Documents and Settings
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsr1.tmp
 Opens:
                         C:\WINDOWS\Temp\4ed215fc-4d89-45d2-88f5-e423f8c66439
 Opens:
                         C:\WINDOWS\Temp\0998d4de26a0b7b5c023716c5419947e.exe
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp
                         C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp
 Opens:
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Au_.exe
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp\Au .exe
 Opens:
                         C:\WINDOWS\system32\apphelp.dll
                         C:\WINDOWS\AppPatch\sysmain.sdb
 Opens:
 Opens:
                         C:\WINDOWS\AppPatch\systest.sdb
 Opens:
                         C:\Documents and Settings\Admin\Local Settings
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Au_.exe.Manifest
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Au .exe.Config
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Bu_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Cu_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Du_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Eu_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Fu .exe
 Opens:
                         C:\WINDOWS\Prefetch\AU_.EXE-34E9686B.pf
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Gu_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Hu_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Iu_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Ju .exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Ku_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Lu_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Mu_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Nu_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Ou_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Pu_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Qu .exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Ru_.exe
```

C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Su_.exe Opens: Opens: C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Tu_.exe Opens: C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Uu_.exe Opens: C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Vu_.exe Opens: C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Wu_.exe Opens: C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Xu_.exe Opens: C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Yu_.exe C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Zu .exe Opens:

Opens: C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp

Opens: C:\Documents and Settings\Admin\Local Settings\Temp\nsd3.tmp

Opens: C:\WINDOWS

Opens: C:\WINDOWS\system32\riched20.dll
Opens: C:\WINDOWS\system32\MSCTFIME.IME
Opens: C:\WINDOWS\system32\uxtheme.dll

Opens: C:\Documents and Settings\Admin\Local Settings\Temp\nsp5.tmp

Opens: C:\Documents and Settings\Admin\Local Settings\Temp\nsp5.tmp\modern-

header.bmp

Writes to: C:\Documents and Settings\Admin\Local Settings\Temp\ns12.tmp

Writes to: C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp\Au_.exe

Writes to: C:\Documents and Settings\Admin\Local Settings\Temp\nsf4.tmp

Writes to: C:\Documents and Settings\Admin\Local Settings\Temp\nsp5.tmp\modern-

header.bmp

Reads from: C:\WINDOWS\Temp\0998d4de26a0b7b5c023716c5419947e.exe

Reads from: C:\Documents and Settings\Admin\Local Settings\Temp\nsl2.tmp

Reads from: C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp\Au_.exe

Reads from: C:\Documents and Settings\Admin\Local Settings\Temp\nsf4.tmp
Deletes: C:\Documents and Settings\Admin\Local Settings\Temp\nsr1.tmp
Deletes: C:\Documents and Settings\Admin\Local Settings\Temp\nsd3.tmp
Deletes: C:\Documents and Settings\Admin\Local Settings\Temp\nsp5.tmp

Windows Registry Events

Creates key:

 $\label{lem:hkcu} HKCU \software \microsoft \windows \current version \explorer \mountpoints 2 \f 90255c2-6bc4-11e3-9fc7-806d6172696f \) \\$

Creates key: HKLM\system\currentcontrolset\control\session manager

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\0998d4de26a0b7b5c023716c5419947e.exe

Opens key: HKLM\system\currentcontrolset\control\terminal server

Opens key:

HKLM\software\microsoft\windows\currentversion\sidebyside\assemblystorageroots
Opens key: HKLM\system\currentcontrolset\control\safeboot\option

Opens key: HKLM\software\policies\microsoft\windows\safer\codeidentifiers
Opens key: HKCU\software\policies\microsoft\windows\safer\codeidentifiers

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\gdi32.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\user32.dll

Opens key: HKLM\system\currentcontrolset\control\session manager

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\imm32.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\ntdll.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\kernel32.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\secur32.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\rpcrt4.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\advapi32.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\msvcrt.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\shlwapi.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\shell32.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\comctl32.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\ole32.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\version.dll

Opens key: HKLM\system\currentcontrolset\control\error message instrument\
Opens key: HKLM\system\currentcontrolset\control\error message instrument
Opens key: HKLM\software\microsoft\windows nt\currentversion\gre_initialize
Opens key: HKLM\software\microsoft\windows nt\currentversion\compatibility32
Opens key: HKLM\software\microsoft\windows nt\currentversion\ime compatibility

Opens key: HKLM\software\microsoft\windows nt\currentversion\windows
Opens key: HKLM\software\microsoft\windows nt\currentversion\winlogon

Opens key: HKLM\

Opens key: HKLM\software\microsoft\windows nt\currentversion\diagnostics

Opens key: HKLM\software\microsoft\windows\currentversion\explorer\performance

Opens key: HKLM\system\setup

Opens key: HKCU\

Opens key: HKCU\software\policies\microsoft\control panel\desktop

Opens key: HKCU\control panel\desktop

Opens key: HKCU\software\microsoft\windows\currentversion\explorer\advanced
Opens key: HKLM\software\microsoft\windows nt\currentversion\languagepack

Opens key: HKLM\software\microsoft\ole

Opens key: HKCR\interface

Opens key: HKCR\interface\{00020400-0000-0000-0000-000000000046}

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\msctf.dll

Opens key:

HKLM\software\microsoft\ctf\compatibility\0998d4de26a0b7b5c023716c5419947e.exe

Opens key: HKLM\software\microsoft\ctf\systemshared\

Opens key: HKCU\keyboard layout\toggle
Opens key: HKLM\software\microsoft\ctf\

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\shfolder.dll

Opens key: HKLM\software\microsoft\windows\currentversion\policies\explorer
Opens key: HKCU\software\microsoft\windows\currentversion\policies\explorer

Opens key:

 $HKLM \ software \ microsoft \ windows \ current version \ shell compatibility \ objects \ \{20d04fe0-3aea-1069-a2d8-08002b30309d\}$

Opens key: HKCU\software\classes\

Opens key: HKCU\software\classes\clsid\{20d04fe0-3aea-1069-a2d8-

08002b30309d}\inprocserver32

Opens key: HKCR\clsid\{20d04fe0-3aea-1069-a2d8-08002b30309d}\inprocserver32

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\setupapi.dll

Opens key: HKLM\system\currentcontrolset\control\minint

Opens key: HKLM\system\wpa\pnp

Opens key: HKLM\software\microsoft\windows\currentversion\setup
Opens key: HKLM\software\microsoft\windows\currentversion

Opens key: HKLM\software\microsoft\windows\currentversion\setup\apploglevels
Opens key: HKLM\system\currentcontrolset\control\computername\activecomputername

Opens key: HKLM\system\currentcontrolset\services\tcpip\parameters

Opens key: HKLM\software\policies\microsoft\system\dnsclient

Opens key: HKLM\software\microsoft\rpc\pagedbuffers

Opens key: HKLM\software\microsoft\rpc

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

 $options \verb|\| 0998d4de26a0b7b5c023716c5419947e.exe \verb|\| rpcthreadpoolthrottle |$

Opens key: HKLM\software\policies\microsoft\windows nt\rpc
Opens key: HKLM\system\currentcontrol\set\control\computername

Opens key:

HKCU\software\microsoft\windows\currentversion\explorer\mountpoints2\cpc\volume

Opens key:

 $\label{lem:hkcu} HKCU software \verb|\microsoft| windows \verb|\currentversion| explorer \verb|\mountpoints2| cpc \verb|\volume| {f90255c2-6bc4-11e3-9fc7-806d6172696f}| \\$

Opens key: HKCU\software\classes\drive\shellex\folderextensions

Opens key: HKCR\drive\shellex\folderextensions

Opens key: HKCU\software\classes\drive\shellex\folderextensions\{fbeb8a05-beee-

4442-804e-409d6c4515e9}

Opens key: HKCR\drive\shellex\folderextensions\{fbeb8a05-beee-4442-804e-

409d6c4515e9}

Opens key: HKCU\software\classes\directory

Opens key: HKCR\directory

Opens key: HKCU\software\classes\directory\curver

Opens key: HKCR\directory\curver

Opens key: HKCR\directory\

Opens key: HKCU\software\microsoft\windows\currentversion\explorer

Opens key: HKCU\software\microsoft\windows\currentversion\explorer\

HKCU\software\microsoft\windows\currentversion\palicies\su

Opens key: HKCU\software\microsoft\windows\currentversion\policies\system

Opens key: HKCU\software\classes\directory\shellex\iconhandler

Opens key: HKCR\directory\shellex\iconhandler
Opens key: HKCU\software\classes\directory\clsid

Opens key: HKCR\directory\clsid

Opens key: HKCU\software\classes\folder

Opens key: HKCR\folder

Opens key: HKCU\software\classes\folder\clsid

Opens key: HKCR\folder\clsid

Opens key: HKLM\system\currentcontrolset\control\session manager\appcertdlls
Opens key: HKLM\system\currentcontrolset\control\session manager\appcompatibility
Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\apphelp.dll

Opens key: HKLM\system\wpa\tabletpc
Opens key: HKLM\system\wpa\mediacenter

Opens key: HKLM\software\microsoft\windows nt\currentversion\appcompatflags\layers
Opens key: HKCU\software\microsoft\windows nt\currentversion\appcompatflags\layers

Opens key: HKLM\software\microsoft\windows

 $\verb|nt\currentversion\appcompatflags\custom\au_.exe|$

Opens key: HKLM\software\policies\microsoft\windows\safer\levelobjects

Opens key: HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\paths

Opens key:

 $HKLM \ software \ policies \ microsoft \ windows \ safer \ code identifiers \ 0 \ paths \ \{dda3f824-d8cb-441b-834d-be2efd2c1a33\}$

Opens key: HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes

Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{349d35ab-37b5-462f-9b89-edd5fbde1328}

Opens key:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{7fb9cd2e-3076-4df9-a57b-b813f72dbb91\}$

Opens key:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{81d1fe15 - dd9d - 4762 - b16d - 7c29ddecae3f\}$

Opens key:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{94e3e076-8f53-42a5-8411-085bcc18a68d\}$

Opens key:

 $\label{lem:hklm} HKLM \software \policies \microsoft \windows \safer \code identifiers \noindent \noinde$

Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\urlzones

Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\4096\paths

Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\4096\hashes

Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\4096\urlzones
Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\65536\paths
 Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\65536\hashes
 Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\65536\urlzones
Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\131072\paths
 Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\131072\hashes
 Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\131072\urlzones
Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\262144\paths
 Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\262144\hashes
 Opens key:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\262144\urlzones

Opens key: HKCU\software\policies\microsoft\windows\safer\codeidentifiers\0\paths
Opens key: HKCU\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes

Opens key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\0\urlzones
Opens key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\4096\paths
 Opens key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\4096\hashes
 Opens kev:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\4096\urlzones
Opens key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\65536\paths
 Opens key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\65536\hashes
 Opens key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\65536\urlzones
Opens key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\131072\paths
Opens key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\131072\hashes
 Opens key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\131072\urlzones Opens key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\262144\paths
 Opens key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\262144\hashes
 Opens kev:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\262144\urlzones

Opens key: HKCU\software\microsoft\windows\currentversion\explorer\shell folders
Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\au_.exe

Opens key: HKLM\software\microsoft\ctf\compatibility\au_.exe

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\au_.exe\rpcthreadpoolthrottle

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\riched20.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\imm

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

 $\verb"options\" msctfime.ime"$

Opens key: HKCU\software\microsoft\ctf

Opens key: HKLM\software\microsoft\ctf\systemshared

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\uxtheme.dll

Opens key: HKCU\software\microsoft\windows\currentversion\thememanager

Opens key: HKCU\software\microsoft\ctf\langbaraddin\
Opens key: HKLM\software\microsoft\ctf\langbaraddin\

Queries value: HKLM\system\currentcontrolset\control\terminal server[tsappcompat]

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers[transparentenabled]

Queries value: HKLM\system\currentcontrolset\control\session manager[safedllsearchmode]

Queries value: HKLM\software\microsoft\windows

nt\currentversion\gre_initialize[disablemetafiles]

Queries value: HKLM\software\microsoft\windows

nt\currentversion\compatibility32[0998d4de26a0b7b5c023716c5419947e]

Queries value: HKLM\software\microsoft\windows nt\currentversion\ime

compatibility[0998d4de26a0b7b5c023716c5419947e1

Queries value: HKLM\software\microsoft\windows nt\currentversion\windows[appinit_dlls]
Queries value: HKLM\software\microsoft\windows nt\currentversion\winlogon[leaktrack]

Queries value: HKLM\system\setup[systemsetupinprogress]

Queries value: HKCU\control panel\desktop[multiuilanguageid]

Queries value: HKCU\control panel\desktop[smoothscroll]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[enableballoontips]

Queries value: HKLM\system\currentcontrolset\control\session

manager[criticalsectiontimeout]

Queries value: HKLM\software\microsoft\ole[rwlockresourcetimeout]

Queries value: HKCR\interface[interfacehelperdisableall]

Queries value: HKCR\interface[interfacehelperdisableallforole32]
Queries value: HKCR\interface[interfacehelperdisabletypelib]
Queries value: HKCR\interface\{00020400-0000-0000-c000-

00000000046}[interfacehelperdisableall]

Queries value: HKCR\interface\{00020400-0000-0000-c000-

00000000046}[interfacehelperdisableallforole32]

Queries value: HKLM\software\microsoft\ctf\systemshared[cuas]
Queries value: HKCU\keyboard layout\toggle[language hotkey]

Queries value: HKCU\keyboard layout\toggle[hotkey]

Queries value: HKCU\keyboard layout\toggle[layout hotkey]
Queries value: HKLM\software\microsoft\ctf[enableanchorcontext]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[nonethood]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[nopropertiesmycomputer]

Queries value:

 $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \policies \explorer \cite{lem:hkcu} are \microsoft \windows \current \cite{lem:hkcu} are \microsoft \windows \windows \windows \microsoft \windows \windows$

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[nocommongroups]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[nocontrolpanel]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[nosetfolders]

Queries value: HKCR\clsid\{20d04fe0-3aea-1069-a2d8-08002b30309d}\inprocserver32[]

Queries value: HKLM\system\wpa\pnp[seed]
Queries value: HKLM\system\setup[osloaderpath]
Queries value: HKLM\system\setup[systempartition]

Queries value: HKLM\software\microsoft\windows\currentversion\setup[sourcepath]

Queries value:

HKLM\software\microsoft\windows\currentversion\setup[servicepacksourcepath]

Queries value:

HKLM\software\microsoft\windows\currentversion\setup[servicepackcachepath]

Queries value: HKLM\software\microsoft\windows\currentversion\setup[drivercachepath]

Queries value:HKLM\software\microsoft\windows\currentversion[devicepath]Queries value:HKLM\software\microsoft\windows\currentversion\setup[loglevel]Queries value:HKLM\software\microsoft\windows\currentversion\setup[logpath]

Queries value:

HKLM\system\currentcontrolset\control\computername\activecomputername[computername]

Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[hostname]

Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[domain]

Queries value: HKLM\software\microsoft\rpc[maxrpcsize]

Queries value:

 $\label{lem:hkcu} HKCU \software \microsoft \windows \current version \explorer \mountpoints 2 \cpc \volume \{f90255c2-6bc4-11e3-9fc7-806d6172696f\} [data]$

Queries value:

11e3-9fc7-806d6172696f}[generation]

Queries value: HKCR\drive\shellex\folderextensions\{fbeb8a05-beee-4442-804e-

409d6c4515e9}[drivemask]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[dontshowsuperhidden]

Queries value: HKCU\software\microsoft\windows\currentversion\explorer[shellstate]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[forceactivedesktopon]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[noactivedesktop]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[nowebview]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[classicshell]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[separateprocess]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[nonetcrawling]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[nosimplestartmenu]

Queries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[hidden]

Oueries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[showcompcolor]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[hidefileext]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[dontprettypath]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[showinfotip]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[hideicons]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[mapnetdrvbtn]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[webview]

Queries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[filter]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[showsuperhidden]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[separateprocess]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[nonetcrawling]

Queries value:HKCR\directory[docobject]Queries value:HKCR\directory[browseinplace]Queries value:HKCR\directory[isshortcut]Queries value:HKCR\directory[alwaysshowext]Queries value:HKCR\directory[nevershowext]

Queries value: HKLM\system\currentcontrolset\control\session

manager[pendingfilerenameoperations2]

Queries value: HKLM\system\currentcontrolset\control\session

manager[pendingfilerenameoperations]

Queries value: HKLM\system\currentcontrolset\control\session

manager[safeprocesssearchmode]

Queries value: HKLM\system\currentcontrolset\control\session

manager\appcompatibility[disableappcompat]

Queries value: HKLM\system\wpa\mediacenter[installed]

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers[authenticodeenabled]

Queries value: HKLM\software\policies\microsoft\windows\safer\codeidentifiers[levels]

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\paths\{dda3f824-d8cb-441b-834d-be2efd2c1a33}[itemdata]

Queries value:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus paths \setminus \{dda3f824 - d8cb - 441b - 834d - be2efd2c1a33\} [saferflags]$

Queries value:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{349d35ab-37b5-462f-9b89-edd5fbde 1328\}[itemdata]$

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{349d35ab-37b5-462f-9b89-edd5fbde1328}[hashalg]

Queries value:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{349d35ab-37b5-462f-9b89-edd5fbde 1328\}[itemsize]$

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{349d35ab-37b5-462f-9b89-edd5fbde1328}[saferflags]

Queries value:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus after \setminus code identifiers \setminus 0 \setminus hashes \setminus \{7fb9cd2e-3076-4df9-a57b-b813f72dbb91\}[itemdata]$

Queries value:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{7fb9cd2e-3076-4df9-a57b-b813f72dbb91\} [hashalg]$

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{7fb9cd2e-3076-4df9-a57b-b813f72dbb91}[itemsize]

Queries value:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{7fb9cd2e-3076-4df9-a57b-b813f72dbb91\} [saferflags]$

Queries value:

 $\label{thm:local-condition} HKLM \software \policies \microsoft \windows \safer \code identifiers \noindent \noind$

Queries value:

 $HKLM \setminus software \setminus o(1) + o(1$

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{81d1fe15-dd9d-4762-b16d-7c29ddecae3f}[itemsize]

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{81d1fe15-dd9d-4762-b16d-7c29ddecae3f}[saferflags]

Queries value:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{94e3e076-8f53-42a5-8411-085bcc18a68d\}[itemdata]$

Queries value:

 $\label{thm:local-substance} HKLM \software \policies \microsoft \windows \safer \code identifiers \oldshes \{94e3e076-8f53-42a5-8411-085bcc18a68d\} \ [hashalg]$

Queries value:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{94e3e076-8f53-42a5-8411-085bcc18a68d\} [itemsize]$

Queries value:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{94e3e076-8f53-42a5-8411-085bcc18a68d\} [saferflags]$

Queries value:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{dc971ee5-44eb-4fe4-ae2e-b91490411bfc\} [itemdata]$

Queries value:

 $HKLM \setminus software \setminus olicies \setminus incrosoft \setminus indows \setminus safer \setminus olicies \setminus incrosoft \setminus incrosoft$

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{dc971ee5-44eb-4fe4-ae2e-b91490411bfc}[itemsize]

Queries value:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 0 \setminus hashes \setminus \{dc971ee5-44eb-4fe4-ae2e-b91490411bfc\} [saferflags]$

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers[defaultlevel]

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers[policyscope]

Queries value: HKCU\software\microsoft\windows\currentversion\explorer\shell

folders[cache]
 Oueries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers[logfilename]

Queries value: HKLM\software\microsoft\windows nt\currentversion\compatibility32[au_]

Queries value: HKLM\software\microsoft\windows nt\currentversion\ime compatibility[au_]

Queries value: HKLM\software\microsoft\windows nt\currentversion\imm[ime file]

Queries value: HKCU\software\microsoft\ctf[disable thread input manager]

Queries value: HKCU\software\microsoft\windows\currentversion\thememanager[compositing]

Queries value: HKCU\control panel\desktop[lamebuttontext]
Sets/Creates value: HKLM\system\currentcontrolset\control\session

manager[pendingfilerenameoperations]

Value changes: HKLM\software\microsoft\cryptography\rng[seed]

Value changes:

 $\label{lem:hkcu} HKCU software \end{microsoft} windows \end{microsoft} windows \end{microsoft} a 806d6172696f \end{microsoft} baseclass \end{microsoft}$

Value changes: HKLM\system\currentcontrolset\control\session

manager[pendingfilerenameoperations]