Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details

Host: mag2, Sample ID: 238, Task ID: 951

Task ID: 951 Risk Level: 6

Date Processed: 2016-04-28 13:13:38 (UTC)

Processing Time: 61.27 seconds
Virtual Environment: IntelliVM

Execution Arguments: "c:\windows\temp\f6f32b94f121e21db8e705f15b656f54.exe"

Sample ID: 238
Type: basic
Owner: admin

Label: f6f32b94f121e21db8e705f15b656f54

Date Added: 2016-04-28 12:45:14 (UTC)

File Type: PE32:win32:gui File Size: 57201 bytes

MD5: f6f32b94f121e21db8e705f15b656f54

SHA256: 54b56605866c3c4fc8ae4fa96faab301b201f737fe076f5b89bd13601a1a9f00

Description: None

Pattern Matching Results

2 PE: Nonstandard section

6 Renames file on boot

5 Creates process in suspicious location

4 Packer: NSIS [Nullsoft Scriptable Install System]

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\f6f32b94f121e21db8e705f15b656f54.exe

["c:\windows\temp\f6f32b94f121e21db8e705f15b656f54.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\f6f32b94f121e21db8e705f15b656f54.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:

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

File System Events

 $\label{locals-1} \mbox{C:\DOCUME-1\Admin\LOCALS-1\Temp\} \\$

Creates: C:\Documents and Settings\Admin\Local Settings\Temp\nsf1.tmp
Creates: C:\Documents and Settings\Admin\Local Settings\Temp\nsz2.tmp
Creates: C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp

Creates: C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp\Au_.exe
Creates: C:\Documents and Settings\Admin\Local Settings\Temp\nsb3.tmp

Creates: C:\Documents and Settings\Admin\Local Settings\Temp\nsv4.tmp
Creates: C:\Documents and Settings\Admin\Local Settings\Temp\nsr5.tmp

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\nsf5.tmp\modern-

```
header.bmp
                         C:\WINDOWS\Prefetch\F6F32B94F121E21DB8E705F15B656-23AF5A4C.pf
 Opens:
 Opens:
                         C:\Documents and Settings\Admin
 Opens:
                         C:\WINDOWS\WinSxS\x86_Microsoft.Windows.Common-
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
                         C:\WINDOWS\system32\imm32.dll
 Opens:
                         C:\WINDOWS\system32\shell32.dll
                         C:\WINDOWS\system32\SHELL32.dll.124.Manifest
 Opens:
                         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\nsf1.tmp
 Opens:
                         C:\WINDOWS\Temp\10d74aa4-f54e-4d1c-8cf0-625f980236dc
 Opens:
                         C:\WINDOWS\Temp\f6f32b94f121e21db8e705f15b656f54.exe
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp
 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
 Opens:
                         C:\WINDOWS\AppPatch\sysmain.sdb
 Opens:
                         C:\WINDOWS\AppPatch\systest.sdb
 Opens:
                         C:\Documents and Settings\Admin\Local Settings
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Au_.exe.Manifest
 Opens:
 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
                         C:\WINDOWS\Prefetch\AU_.EXE-34E9686B.pf
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Gu_.exe
 Opens:
                         \label{locals-1} $$C:\DOCUME~1\Admin\LOCALS~1\Temp\-nsu.tmp\Hu\_.exe$
 Opens:
 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
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Su\_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Tu_.exe
 Opens:
                         \label{locals-1} C:\DOCUME~1\Admin\LOCALS~1\Temp\-nsu.tmp\Uu\_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Vu\_.exe
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Wu_.exe
 Opens:
 Opens:
                         \label{locals-1} C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Xu\_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Yu\_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Zu_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsb3.tmp
 Opens:
                         C:\WINDOWS
                         C:\WINDOWS\system32\riched20.dll
 Opens:
 Opens:
                         C:\WINDOWS\system32\MSCTFIME.IME
 Opens:
                         C:\WINDOWS\system32\uxtheme.dll
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsf5.tmp
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsf5.tmp\modern-
header.bmp
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsz2.tmp
 Writes to:
 Writes to:
                         C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp\Au_.exe
 Writes to:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsv4.tmp
 Writes to:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsf5.tmp\modern-
header.bmp
                         C:\WINDOWS\Temp\f6f32b94f121e21db8e705f15b656f54.exe
 Reads from:
```

Reads from: C:\Documents and Settings\Admin\Local Settings\Temp\nsz2.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\nsv4.tmp
Deletes: C:\Documents and Settings\Admin\Local Settings\Temp\nsf1.tmp
Deletes: C:\Documents and Settings\Admin\Local Settings\Temp\nsb3.tmp
Deletes: C:\Documents and Settings\Admin\Local Settings\Temp\nsf5.tmp

Windows Registry Events

Creates key:

806d6172696f}\

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

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

options\f6f32b94f121e21db8e705f15b656f54.exe

Opens key: HKLM\system\currentcontrol\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\currentcontrol\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\{00020400-0000-0000-0000-00000000046}

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

options\msctf.dll

Opens key:

HKLM\software\microsoft\ctf\compatibility\f6f32b94f121e21db8e705f15b656f54.exe

Opens key: $\label{lem:hklmsoftwaremicrosoft\tcfhsystemshared} \begin{tabular}{ll} HKLM\software\mbox{\mbox{microsoft\ctfhsystemshared}} \end{tabular}$

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:

 $HKLM \ software \ microsoft \ windows \ current version \ shell compatibility \ applications \ f6f32b94f121e21db8e705f15b656f54.exe$

Opens key:

HKLM\software\microsoft\windows\currentversion\shellcompatibility\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\f6f32b94f121e21db8e705f15b656f54.exe\rpcthreadpoolthrottle
Opens key: HKLM\software\policies\microsoft\windows nt\rpc
Opens key: HKLM\system\currentcontrolset\control\computername

Opens key:

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

Opens key:

 $HKCU \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus mount points 2 \setminus cpc \setminus volume \setminus \{f90255c2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6bc4-f9025fc2-6$

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\
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:

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\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{7fb9cd2e-3076-4df9-a57b-
b813f72dbb91}
 Opens key:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{81d1fe15-dd9d-4762-b16d-
7c29ddecae3f}
 Opens key:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{94e3e076-8f53-42a5-8411-
085bcc18a68d}
 Opens key:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{dc971ee5-44eb-4fe4-ae2e-
b91490411bfc}
 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 kev:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers\65536\urlzones
 Opens key:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers\131072\paths
 Opens kev:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers\131072\hashes
 Opens kev:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers\131072\urlzones
 Opens kev:
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
                         HKCU\software\policies\microsoft\windows\safer\codeidentifiers\0\paths
 Opens key:
 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 key:
HKCU\software\policies\microsoft\windows\safer\codeidentifiers\4096\urlzones
 Opens key:
HKCU\software\policies\microsoft\windows\safer\codeidentifiers\65536\paths
 Opens kev:
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 kev:
HKCU\software\policies\microsoft\windows\safer\codeidentifiers\262144\paths
 Opens key:
HKCU\software\policies\microsoft\windows\safer\codeidentifiers\262144\hashes
 Opens key:
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:
```

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

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

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

options\msctfime.ime

HKCU\software\microsoft\ctf Opens key:

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

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

options\uxtheme.dll

Opens key: HKCU\software\microsoft\windows\currentversion\thememanager 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[f6f32b94f121e21db8e705f15b656f54]

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

compatibility[f6f32b94f121e21db8e705f15b656f54]

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

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

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]

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

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] Oueries 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]

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

Queries value:

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

Oueries value:

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

Queries value:

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

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

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

 $\label{lem:hklm} \verb+Kklm\+ software\+ microsoft\+ windows\+ current version\+ setup\+ [source path]$ Queries value:

Queries value:

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

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

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

Queries value: HKCU\software\microsoft\windows\currentversion\explorer\mountpoints2\cpc\volume\{f90255c2-6bc4-11e3-9fc7-806d6172696f}[data] Queries value: HKCU\software\microsoft\windows\currentversion\explorer\mountpoints2\cpc\volume\{f90255c2-6bc4-11e3-9fc7-806d6172696f}[generation] HKCR\drive\shellex\folderextensions\{fbeb8a05-beee-4442-804e-Oueries value: 409d6c4515e9}[drivemask] Oueries value: HKCU\software\microsoft\windows\currentversion\policies\explorer[dontshowsuperhidden] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer[shellstate] Oueries 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] Oueries value: HKCU\software\microsoft\windows\currentversion\policies\explorer[classicshell] Queries value: HKCU\software\microsoft\windows\currentversion\policies\explorer[separateprocess] Oueries value: HKCU\software\microsoft\windows\currentversion\policies\explorer[nonetcrawling] Oueries value: HKCU\software\microsoft\windows\currentversion\policies\explorer[nosimplestartmenu] Oueries 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] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[dontprettypath] HKCU\software\microsoft\windows\currentversion\explorer\advanced[showinfotip] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[hideicons] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[mapnetdrvbtn] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[webview] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[filter] Oueries value: $HKCU \ software \ microsoft \ windows \ current version \ explorer \ advanced [show superhidden]$ Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[separateprocess] Queries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[nonetcrawling] Oueries value: HKCR\directory[docobject] Queries value: HKCR\directory[browseinplace] Queries value: HKCR\directory[isshortcut] Queries value: HKCR\directory[alwaysshowext] Queries value: HKCR\directory[nevershowext] Oueries value: HKLM\system\currentcontrolset\control\session manager[pendingfilerenameoperations2] Queries value: HKLM\system\currentcontrolset\control\session manager[pendingfilerenameoperations] HKLM\system\currentcontrolset\control\session Queries value: manager[safeprocesssearchmode] HKLM\system\currentcontrolset\control\session Queries value: 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-834dbe2efd2c1a33}[itemdata] Queries value: HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\paths\{dda3f824-d8cb-441b-834d-

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

be2efd2c1a33}[saferflags]

Queries value:

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

Queries value:

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

Queries value:

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

Oueries value:

Queries value:

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

Oueries value:

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

Queries value:

Queries value:

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

Oueries value:

Queries value:

Queries value:

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

Oueries value:

 $HKLM \software \policies \microsoft \windows \safer \code identifiers \noindent \noi$

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{94e3e076-8f53-42a5-8411-085bcc18a68d}[hashalg]

Oueries value:

Queries value:

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

Queries value:

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

Queries value:

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

Queries value:

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

Queries value:

 $\label{lem:hklm} HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{dc971ee5-44eb-4fe4-ae2e-b91490411bfc\}[saferflags]$

Oueries value:

 $HKLM \verb|\software| policies \verb|\microsoft| windows \verb|\safer| code identifiers [default level]$

Queries value:

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

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

folders[cache]
Queries 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:

 $\label{thm:condition} HKCU \software \microsoft \windows \current version \explorer \mountpoints 2 \ \{f90255c2-6bc4-11e3-9fc7-806d6172696f\} \ [baseclass]$

Value changes: HKLM\system\currentcontrolset\control\session manager[pendingfilerenameoperations]