# Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details

Host: mag2, Sample ID: 199, Task ID: 795

Task ID: 795 Risk Level: 6

Date Processed: 2016-04-28 13:09:37 (UTC)

Processing Time: 61.08 seconds
Virtual Environment: IntelliVM

Execution Arguments: "c:\windows\temp\52d2d3b57b5158003f1328d8cec3cc7e.exe"

Sample ID: 199
Type: basic
Owner: admin

Label: 52d2d3b57b5158003f1328d8cec3cc7e

Date Added: 2016-04-28 12:45:10 (UTC)

File Type: PE32:win32:gui File Size: 76773 bytes

MD5: 52d2d3b57b5158003f1328d8cec3cc7e

SHA256: 5ac0134a9e5af54ac625d60be41335a3a956ac98bd539a8b99c8fbf76d4bee8d

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]

#### 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\52d2d3b57b5158003f1328d8cec3cc7e.exe

["c:\windows\temp\52d2d3b57b5158003f1328d8cec3cc7e.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\52d2d3b57b5158003f1328d8cec3cc7e.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.EOG
Creates mutex: \BaseNamedObjects\MSCTF.Shared.MUTEX.MMG

Creates event: \BaseNamedObjects\MSCTF.SendReceive.Event.MMG.IC

Creates event: \BaseNamedObjects\MSCTF.SendReceiveConection.Event.MMG.IC
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\
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsu1.tmp
 Creates:
 Creates:
                         C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp
 Creates:
                         C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp\Au .exe
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsk2.tmp
 Creates:
                         C:\WINDOWS\Prefetch\52D2D3B57B5158003F1328D8CEC3C-37C6F0CF.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-
Controls_6595b64144ccf1df_6.0.2600.5512_x-ww_35d4ce83\comctl32.dll
 Opens:
                         C:\WINDOWS\Temp\52d2d3b57b5158003f1328d8cec3cc7e.exe
 Opens:
                         C:\WINDOWS\system32\imm32.dll
 Opens:
                         C:\WINDOWS\system32\shell32.dll
                         C:\WINDOWS\system32\SHELL32.dll.124.Manifest
 Opens:
 Opens:
                         C:\WINDOWS\system32\SHELL32.dll.124.Config
 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:
 Opens:
                         C:\Documents and Settings
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsu1.tmp
 Opens:
                         C:\WINDOWS\Temp\b6f9bb3a-a510-4edb-a4da-b968bb641825
                         C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp
 Opens:
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Au_.exe
                         C:\Documents and Settings\Admin\Local Settings\Temp\~nsu.tmp\Au_.exe
 Opens:
 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
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp
                         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
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Bu_.exe
 Opens:
 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:\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:\WINDOWS\Prefetch\AU_.EXE-34E9686B.pf
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Ju_.exe
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Ku_.exe
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Lu_.exe
 Opens:
 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:
                         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:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\~nsu.tmp\Xu .exe
 Opens:
 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\nsk2.tmp

Opens: C:\WINDOWS

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

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

C:\WINDOWS\Temp\52d2d3b57b5158003f1328d8cec3cc7e.exe Reads from:

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

Deletes: C:\Documents and Settings\Admin\Local Settings\Temp\nsu1.tmp Deletes: C:\Documents and Settings\Admin\Local Settings\Temp\nsk2.tmp

# Windows Registry Events

Creates key:

806d6172696f}\

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

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

options\52d2d3b57b5158003f1328d8cec3cc7e.exe

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

Opens key:

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

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

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

options\gdi32.dll

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

options\user32.dll

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

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

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

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

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

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

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:

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\52d2d3b57b5158003f1328d8cec3cc7e.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:

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\52d2d3b57b5158003f1328d8cec3cc7e.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:

 $\label{thm:local-condition} HKCU software \verb|\microsoft| windows \verb|\currentversion| explorer \verb|\mountpoints2| cpc \verb|\volume| {f90255c2-6bc4-11e3-9fc7-806d6172696f} | \end{tikzpicture}$ 

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

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:

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

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\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{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:

 $HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus ohashes \setminus \{dc971ee5-44eb-4fe4-ae2e-b91490411bfc\}$ 

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 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:

 $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \policies \microsoft \windows \safer \code identifiers \normalle \normal$ 

Opens key:

 $\label{thm:linear} \begin{tabular}{ll} HKCU \software \policies \microsoft \windows \safer \code identifiers \allower \code ide$ 

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 key:

HKCU\software\policies\microsoft\windows\safer\codeidentifiers\65536\hashes

Opens key:

 $HKCU \ software \ policies \ microsoft \ windows \ safer \ code identifiers \ his 2536 \ varlzones$ 

Opens key:

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

Opens key:

 $HKCU \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 131072 \setminus has hes$ 

Opens key:

 $HKCU \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 131072 \setminus urlzones$ 

Opens key:

 $HKCU \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers \setminus 262144 \setminus paths$ 

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

options\au\_.exe\rpcthreadpoolthrottle

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

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

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[52d2d3b57b5158003f1328d8cec3cc7e]

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

compatibility[52d2d3b57b5158003f1328d8cec3cc7e]

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:

 $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \policies \explorer \cite{lem:hkcu} no properties my computer \cite{lem:hkcu} and \cite{lem:hkcu} no properties my computer \cite{lem:hkcu} no proper$ 

Queries value:

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

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:

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

Queries value:

 $HKCU \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus mountpoints 2 \setminus cpc \setminus volume \setminus \{f90255c2-6bc4-f90256c2-6bc4-f9026c2-6bc4-f9026c2-6bc$ 

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] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[hidden] Queries 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] 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] Oueries 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] HKCR\directory[nevershowext] Queries value: Queries value: HKLM\system\currentcontrolset\control\session manager[pendingfilerenameoperations2] Oueries 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] HKLM\system\wpa\mediacenter[installed] Queries value: 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-834dbe2efd2c1a33}[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:

 $\label{lem:hklmsoftware policies microsoft windows safer code identifiers \verb|0| hashes | $349d35ab-37b5-462f-9b89-edd5fbde | 1328 | [hashalg] | $184d35ab-37b5-462f-9b89-edd5fbde | 1328 | [hashalg] | $184d3ab-37b5-462f-9b89-edd5fbde | 1328$ 

Queries value:

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

Queries value:

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

edd5fbde1328}[saferflags]

Queries value:

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

Queries value:

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

Queries value:

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

Queries value:

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

Queries value:

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

Queries value:

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

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

Oueries value:

 $HKLM \setminus \{94e3e076-8f53-42a5-8411-085bcc18a68d\} \ [hashalg]$ 

Queries value:

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

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{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:

 $\label{lem:hklmsoftware policies microsoft windows safer code identifiers \verb|0| hashes | \{dc971ee5-44eb-4fe4-ae2e-b91490411bfc\}[hashalg]| | the same code identifiers | t$ 

Queries value:

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

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{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]

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:local-continuous} HKCU \software \microsoft \windows \current version \explorer \mountpoints 2 \f 90255c2-6bc4-11e3-9fc7-806d6172696f \] [baseclass]$ 

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

manager[pendingfilerenameoperations]