Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details

Host: mag2, Sample ID: 138, Task ID: 551

Task ID: 551 Risk Level:

Date Processed: 2016-04-28 13:01:58 (UTC)

Processing Time: 4.47 seconds Virtual Environment: IntelliVM

Execution Arguments: "c:\windows\temp\9b4316a022e8ffa53c35fafab8f7753b.exe"

Sample ID: 138 Type: basic admin Owner:

9b4316a022e8ffa53c35fafab8f7753b Label: 2016-04-28 12:45:04 (UTC) Date Added:

PE32:win32:gui File Type:

File Size: 305192 bytes

9b4316a022e8ffa53c35fafab8f7753b MD5:

SHA256: ff81ac1ada501179e980e72ae0459d6be9d6987581d867e79039f84ad8ebda54

Description: None

Pattern Matching Results

2 PE: Nonstandard section

- 3 Long sleep detected
- 5 PE: Contains compressed section
- 6 Modifies registry autorun entries
- 5 Packer: UPX
- 4 Checks whether debugger is present
- 6 Installs service
- Signed by adware producer [Adware, PUA]
- 7 Creates known events: Amonetize 2

Static Events

Anomaly: PE: Contains a virtual section

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

Packer:

Process/Thread Events

Creates process: C:\WINDOWS\Temp\9b4316a022e8ffa53c35fafab8f7753b.exe

["c:\windows\temp\9b4316a022e8ffa53c35fafab8f7753b.exe"]

Terminates process: C:\WINDOWS\Temp\9b4316a022e8ffa53c35fafab8f7753b.exe

Named Object Events

Creates mutex: \BaseNamedObjects\AmInst__Runing_1

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

1957994488-1003

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

1957994488-1003

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

1957994488-1003

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

1957994488-1003

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

1957994488-1003

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

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

\BaseNamedObjects\AmiUpdInstallProgress Creates event:

Creates semaphore: \BaseNamedObjects\shell.{A48F1A32-A340-11D1-BC6B-00A0C90312E1}

File System Events

C:\WINDOWS\Prefetch\9B4316A022E8FFA53C35FAFAB8F77-0AD62E18.pf Opens:

Opens: C:\Documents and Settings\Admin Opens: C:\WINDOWS\system32\winhttp.dll Opens: 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: 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

C:\WINDOWS\WindowsShell.Manifest Opens: C:\WINDOWS\WindowsShell.Config Opens: Opens: C:\WINDOWS\system32\comctl32.dll

C:\WINDOWS\system32\comctl32.dll.124.Manifest Opens: C:\WINDOWS\system32\comctl32.dll.124.Config Opens: Opens: C:\Documents and Settings\Admin\Local Settings\Temp

 Opens:
 C:\WINDOWS\system32\rpcss.dll

 Opens:
 C:\WINDOWS\system32\iphlpapi.dll

 Opens:
 C:\WINDOWS\system32\ws2_32.dll

 Opens:
 C:\WINDOWS\system32\ws2help.dll

 Opens:
 C:\WINDOWS\system32\MSCTF.dll

 Opens:
 C:\WINDOWS\system32\clbcatq.dll

 Opens:
 C:\WINDOWS\system32\comres.dll

Opens: C:\WINDOWS\Registration\R0000000007.clb

Opens: C:\WINDOWS\system32\winlogon.exe Opens: C:\WINDOWS\system32\xpsp2res.dll Opens: C:\WINDOWS\svstem32\netman.dll Opens: C:\WINDOWS\system32\mprapi.dll Opens: C:\WINDOWS\system32\activeds.dll Opens: C:\WINDOWS\system32\adsldpc.dll Opens: C:\WINDOWS\system32\netapi32.dll Opens: C:\WINDOWS\system32\atl.dll Opens: C:\WINDOWS\system32\rtutils.dll Opens: C:\WINDOWS\system32\samlib.dll Opens: C:\WINDOWS\system32\setupapi.dll Opens: C:\WINDOWS\system32\netshell.dll Opens: C:\WINDOWS\system32\credui.dll Opens: C:\WINDOWS\system32\dot3api.dll Opens: C:\WINDOWS\system32\dot3dlg.dll Opens: C:\WINDOWS\system32\onex.dll Opens: C:\WINDOWS\system32\wtsapi32.dll Opens: C:\WINDOWS\system32\winsta.dll Opens: C:\WINDOWS\system32\crypt32.dll Opens: C:\WINDOWS\system32\msasn1.dll

C:\WINDOWS\system32\eappcfg.dll Opens: Opens: C:\WINDOWS\system32\msvcp60.dll Opens: C:\WINDOWS\system32\eappprxy.dll Opens: C:\WINDOWS\system32\rasapi32.dll Opens: C:\WINDOWS\system32\rasman.dll Opens: C:\WINDOWS\system32\tapi32.dll Opens: C:\WINDOWS\system32\winmm.dll Opens: C:\WINDOWS\system32\wzcsapi.dll Opens: C:\WINDOWS\system32\wzcsvc.dll Opens: C:\WINDOWS\system32\wmi.dll Opens: C:\WINDOWS\system32\dhcpcsvc.dll

Opens: C:\WINDOWS\system32\netshell.dll.50.Config Opens: C:\WINDOWS\system32\TAPI32.dll.124.Manifest Opens: C:\WINDOWS\system32\TAPI32.dll.124.Config Opens: C:\WINDOWS\system32\urlmon.dll.123.Manifest C:\WINDOWS\system32\urlmon.dll.123.Config Opens: Opens: C:\WINDOWS\system32\WININET.dll.123.Manifest Opens: C:\WINDOWS\system32\WININET.dll.123.Config Reads from: C:\WINDOWS\Registration\R00000000007.clb

Windows Registry Events

Creates key: HKLM\software\microsoft\windows nt\currentversion\tracing

Creates key: HKLM\software\microsoft\windows

nt\currentversion\tracing\microsoft\eappcfg

Creates key: HKLM\software\microsoft\windows nt\currentversion\tracing\microsoft\eappcfg\traceidentifier Creates key: HKLM\software\microsoft\windows

 $\verb|nt\currentversion\tracing\microsoft\eappprxy|$

Creates key: HKLM\software\microsoft\windows nt\currentversion\tracing\microsoft\eappprxy\traceidentifier

Creates key: HKCU\software\microsoft\windows\currentversion\internet settings

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

Creates key: HKLM\software\microsoft\windows

 $\verb|nt\currentversion\tracing\microsoft\qutil|$

Creates key: HKLM\software\microsoft\windows nt\currentversion\tracing\microsoft\qutil\traceidentifier

Creates key: HKLM\software

Creates key: HKLM\software\microsoft
Creates key: HKLM\software\microsoft\esent
Creates key: HKLM\software\microsoft\esent\process

Creates key: HKLM\software\microsoft\esent\process\9b4316a022e8ffa53c35fafab8f7753b

Creates key:

HKLM\software\microsoft\esent\process\9b4316a022e8ffa53c35fafab8f7753b\debug

Creates key: HKLM\system\currentcontrolset\services\eventlog\application\esent

Creates key: HKLM\software\microsoft\tracing

Deletes value:

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

options\9b4316a022e8ffa53c35fafab8f7753b.exe

Opens key: HKLM\system\currentcontrolset\control\terminal server Opens key: HKLM\system\currentcontrolset\control\safeboot\option Opens key: HKLM\software\policies\microsoft\windows\safer\codeidentifiers HKCU\software\policies\microsoft\windows\safer\codeidentifiers Opens key: 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\winlogon Opens key: HKLM\ Opens key: HKLM\software\microsoft\windows nt\currentversion\diagnostics Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\user32.dll Opens key: HKLM\system\currentcontrolset\control\session manager Opens kev: 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 HKLM\software\microsoft\windows nt\currentversion\image file execution Opens kev: options\gdi32.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\ole32.dll Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\oleaut32.dll Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\shlwapi.dll HKLM\software\microsoft\windows nt\currentversion\image file execution Opens key: options\shell32.dll Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\version.dll Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\winhttp.dll Opens key: HKLM\system\currentcontrolset\control\error message instrument\ Opens key: HKLM\system\currentcontrolset\control\error message instrument Opens key: $\label{lem:hklm} \verb+Kklm\+ software\+ microsoft\+ windows nt\+ current version\+ gre_initialize$ Opens key: $HKLM \setminus software \setminus microsoft \setminus windows \ nt \setminus current version \setminus compatibility 32$ Opens key: HKLM\software\microsoft\windows nt\currentversion\ime compatibility Opens key: HKLM\software\microsoft\windows nt\currentversion\windows Opens key: HKLM\software\microsoft\ole Opens key: HKCR\interface HKCR\interface\{00020400-0000-0000-c000-00000000046} Opens key: Opens key: HKLM\software\microsoft\oleaut Opens kev: HKLM\software\microsoft\oleaut\userera 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: HKLM\software\microsoft\windows\currentversion\sidebyside\assemblystorageroots Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\comctl32.dll $\label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\explorer\advanced}} \\$ Opens key: Opens key: HKLM\software\microsoft\windows nt\currentversion\languagepack Opens key: HKLM\software\microsoft\windows\currentversion\internet settings\winhttp\tracing HKCU\software\microsoft\windows\currentversion\explorer\shell folders Opens key: HKLM\software\microsoft\net framework setup\ndp\v1.1.4322 Opens kev: Opens key: HKLM\software\microsoft\net framework setup\ndp\v3.5 Opens key: HKLM\software\microsoft\net framework setup\ndp\v4\full Opens key: HKLM\software\microsoft\net framework setup\ndp\v4\client Opens key: ${\it HKLM \ } system \verb|\ current control \verb|\ computername| }$ Opens key: Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\ws2help.dll HKLM\software\microsoft\windows nt\currentversion\image file execution Opens key: options\ws2_32.dll Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\iphlpapi.dll Opens key: HKLM\system\currentcontrolset\services\tcpip\linkage Opens key: HKLM\system\currentcontrolset\services\tcpip\parameters\ Opens key: HKLM\system\currentcontrolset\services\netbt\parameters\interfaces Opens key: HKLM\system\currentcontrolset\services\netbt\parameters Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\msctf.dll Opens key:

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

Opens key: HKCU\keyboard layout\toggle Opens key: HKLM\software\microsoft\ctf\ Opens key: HKLM\software\microsoft\com3

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

options\comres.dll

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

options\clbcatq.dll

Opens key: HKLM\software\microsoft\com3\debug

Opens key: HKCU\software\classes\ HKLM\software\classes Opens key:

Opens key: HKU\ Opens key: HKCR\clsid

Opens key: HKCU\software\classes\clsid\{67bd9eeb-aa06-4329-a940-d250019300c9}

Opens key: HKCR\clsid\{67bd9eeb-aa06-4329-a940-d250019300c9}

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

Opens kev: HKLM\software\microsoft\rpc

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

options\9b4316a022e8ffa53c35fafab8f7753b.exe\rpcthreadpoolthrottle HKLM\software\policies\microsoft\windows nt\rpc Opens key:

Opens key: $HKCU \setminus software \setminus classes \setminus appid \setminus 9b4316a022e8ffa53c35fafab8f7753b.exe$

Opens key: $HKCR \alpha 9b4316a022e8ffa53c35fafab8f7753b.exe$ Opens key: HKLM\system\currentcontrolset\control\lsa

Opens key:

HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3-

c7d49d7cecdc}

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

options\netapi32.dll

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

options\wldap32.dll

Opens key: HKLM\system\currentcontrolset\services\ldap

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

options\adsldpc.dll

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

options\atl.dll

 $\label{lem:hklm} \verb+Kklm/software/microsoft/windows nt/currentversion/image file execution$ Opens key:

options\activeds.dll

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

options\rtutils.dll

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

options\samlib.dll

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 kev: HKLM\software\microsoft\windows\currentversion

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

Opens key: HKLM\system\currentcontrolset\services\tcpip\parameters HKLM\software\policies\microsoft\system\dnsclient Opens key:

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

options\mprapi.dll

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

options\credui.dll

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

options\dot3api.dll

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

options\winsta.dll

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

options\wtsapi32.dll Opens key:

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

options\msasn1.dll

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

options\crypt32.dll

Opens key: HKLM\system\currentcontrolset\services\crypt32\performance Opens key: $HKLM \setminus software \setminus microsoft \setminus windows \ nt \setminus current version \setminus msasn1$

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\msvcp60.dll

Opens key:

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

options\eappcfg.dll

HKLM\system\currentcontrolset\control\wmi\security Opens kev: Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\eappprxy.dll

Opens key:

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

options\onex.dll Opens key:

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

options\dot3dlg.dll Opens key:

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

options\netshell.dll

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

options\rasman.dll

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

options\winmm.dll

Opens key: HKI M\software\microsoft\windows nt\currentversion\drivers32

Opens key:

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

options\tapi32.dll

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

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

options\rasapi32.dll

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

options\normaliz.dll

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

options\iertutil.dll

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

options\urlmon.dll

HKCU\software\classes\protocols\name-space handler\ Opens kev:

Opens key: HKCR\protocols\name-space handler

Opens key: HKCU\software\classes\protocols\name-space handler

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

settings

Opens key: HKLM\software\policies\microsoft\windows\currentversion\internet

settings

Opens key: HKCU\software\microsoft\internet explorer\main\featurecontrol\feature_protocol_lockdown HKLM\software\microsoft\internet Opens key: explorer\main\featurecontrol\feature_protocol_lockdown

HKLM\software\policies\microsoft\windows\currentversion\internet Opens key:

settings\

Opens key: $\label{lem:hklm} \verb+Kklm \+ software \+ policies \+ microsoft \+ internet explorer \+ main \+ feature control$ HKCU\software\policies\microsoft\internet explorer\main\featurecontrol Opens kev:

Opens key: HKLM\software\microsoft\internet explorer\main\featurecontrol Opens key: HKCU\software\microsoft\internet explorer\main\featurecontrol

Opens key: HKCU\software\microsoft\internet

explorer\main\featurecontrol\feature_ignore_policies_zonemap_if_esc_enabled_kb918915

HKLM\software\microsoft\internet Opens key:

explorer\main\featurecontrol\feature_ignore_policies_zonemap_if_esc_enabled_kb918915 Opens key: HKLM\software\policies\microsoft\windows\currentversion\internet

settings\zonemap\domains\

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

settings\zonemap\domains\

 $\label{lem:hklm} \verb+Kklm\+ software\+ policies\+ microsoft\+ windows\+ current version\+ internet$ Opens key:

settings\zonemap\ranges\

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

settings\zonemap\ranges\

Opens key: HKCU\software\microsoft\internet $\verb|explorer\main\featurecontrol\feature_unc_savedfilecheck| \\$ Opens key: HKLM\software\microsoft\internet explorer\main\featurecontrol\feature_unc_savedfilecheck

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

options\wininet.dll

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

options\wzcsapi.dll

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

options\dnsapi.dll

Opens key: HKLM\system\currentcontrolset\services\dnscache\parameters Opens key: HKLM\software\policies\microsoft\windows nt\dnsclient

Opens key: $\label{lem:hklm} \verb+Kklm\+ software\+ microsoft\+ windows nt\+ current version\+ image file execution$

options\dhcpcsvc.dll

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

options\qutil.dll

Opens key: $\label{lem:hklm} \verb+Kklm\+ software\+ microsoft\+ windows nt\+ current version\+ limage file execution$

options\eapolqec.dll

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

options\esent.dll

Opens kev:

HKLM\software\microsoft\esent\process\9b4316a022e8ffa53c35fafab8f7753b\debug

Opens key: HKLM\software\microsoft\esent\global\debug

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

settings\connections

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

options\wzcsvc.dll

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

options\netman.dll Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\xpsp2res.dll

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

Opens key:

options\wmi.dll HKLM\software\microsoft\windows\currentversion\internet

HKLM\software\microsoft\tracing\rasapi32

Opens key:

settings\winhttp\unsafesslapps

Opens key: HKLM\system\currentcontrolset\control\network\{4d36e972-e325-11ce-bfc1-

Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters

Opens kev:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\00000004

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000001

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

settings\connections

Opens key: $HKCU \setminus software \setminus classes \setminus interface \setminus \{9edc0c90-2b5b-4512-953e-35767bad5c67\}$

Opens key: HKCR\interface\{9edc0c90-2b5b-4512-953e-35767bad5c67}

Opens key:

Opens key:

Opens key:

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000005 Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000006

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\0000000000007 Opens key:

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000000

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000010 Opens key:

 $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap col_catalog 9 \setminus catalog_entries \setminus 0000000000011$ Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\00000004 Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries Opens key:

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000000 Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000003

HKLM\system\currentcontrolset\control\network\{4d36e972-e325-11ce-bfc1-Opens key:

 $08002be10318\} \setminus \{00000000-0000-0000-0000-00000000000\} \setminus connection$

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

tcp loopback interface

Opens key: HKLM\software\microsoft\cryptography

 $\label{lem:hklm} \verb+ HKLM \+ software \+ microsoft \+ windows nt \+ current \+ version$ Opens key:

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

Queries value:

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

HKLM\software\microsoft\windows nt\currentversion\winlogon[leaktrack] Oueries value: Queries value: HKLM\system\currentcontrolset\control\session manager[safedllsearchmode]

HKLM\software\microsoft\windows Oueries value: nt\currentversion\gre_initialize[disablemetafiles] Queries value: HKLM\software\microsoft\windows

nt\currentversion\compatibility32[9b4316a022e8ffa53c35fafab8f7753b]

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

compatibility[9b4316a022e8ffa53c35fafab8f7753b]

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

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

manager[criticalsectiontimeout]

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

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

00000000046}[interfacehelperdisableall]

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

00000000046}[interfacehelperdisableallforole32]

Queries value: HKLM\system\setup[systemsetupinprogress] Queries value: HKCU\control panel\desktop[multiuilanguageid] Oueries value: HKCU\control panel\desktop[smoothscroll] Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[enableballoontips] HKCU\software\microsoft\windows\currentversion\explorer\shell Oueries value:

folders[local appdata]

Queries value: HKLM\software\microsoft\net framework setup\ndp\v3.5[install] Oueries value: HKLM\software\microsoft\net framework setup\ndp\v3.5[version] Queries value: HKLM\software\microsoft\net framework setup\ndp\v3.5[sp]

```
Oueries value:
```

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

 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: HKLM\system\currentcontrolset\services\tcpip\linkage[bind]

Queries value: HKLM\software\microsoft\com3[com+enabled]

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

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

Queries value: HKLM\software\microsoft\com3[regdbversion]
Queries value: HKLM\software\microsoft\rpc[maxrpcsize]

Queries value: HKLM\software\microsoft\ole[maximumallowedallocationsize] Queries value: HKLM\software\microsoft\ole[defaultaccesspermission]

Queries value: HKLM\system\currentcontrolset\control\lsa[everyoneincludesanonymous]

Queries value.

 $\label{lem:hklmsystem} HKLM \system \current control set \services \troip \parameters \ interfaces \ \{16325b0b-4636-4303-abe3-c7d49d7cecdc\} \ [enabled \hcp]$

Oueries value:

 $HKLM \ system \ current control set \ services \ tcpip \ parameters \ interfaces \ \{16325b0b-4636-4303-abe3-c7d49d7cecdc\} \ [lease obtained time]$

Oueries value:

 $HKLM \ system \ current control set \ services \ tcpip \ parameters \ interfaces \ \{16325b0b-4636-4303-abe3-c7d49d7cecdc\} \ [lease terminates time]$

Queries value:

 $HKLM \ system \ `correct Services \ 'tcpip \ parameters \ 'interfaces \ '\{16325b0b-4636-4303-abe3-c7d49d7cecdc\} [dhcpserver]$

Queries value: HKLM\software\microsoft\windows\currentversion\internet

settings[sharecredswithwinhttp]

Queries value: HKLM\system\currentcontrolset\services\ldap[ldapclientintegrity]

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\services\tcpip\parameters[hostname]

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

 Queries value:
 HKLM\system\currentcontrolset\control\wmi\security[df8480a1-7492-4f45

ab78-1084642581fb]

0000-000000000000]

Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave1] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave2] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave3] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave4] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave5] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave6] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave7] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave8] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave9] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi1] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi2] HKLM\software\microsoft\windows nt\currentversion\drivers32[midi3] Queries value: Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi4] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi5] HKLM\software\microsoft\windows nt\currentversion\drivers32[midi6] Oueries value: Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi7] Oueries value: $HKLM \setminus software \setminus microsoft \setminus windows \ nt \setminus current version \setminus drivers 32 [midi8]$ Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi9] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux1] HKLM\software\microsoft\windows nt\currentversion\drivers32[aux2] Oueries value: Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux3] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux4] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux5] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux6] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux7] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux8] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux9]

Queries value:

```
Oueries value:
                          HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer2]
 Oueries value:
                          HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer3]
 Oueries value:
                          HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer4]
 Queries value:
                          HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer5]
                          HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer6]
 Oueries value:
 Queries value:
                          HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer7]
 Oueries value:
                          HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer8]
 Oueries value:
                          HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer9]
 Oueries value:
HKLM\software\microsoft\windows\currentversion\telephony[tapi32maxnumrequestretries]
 Oueries value:
HKLM\software\microsoft\windows\currentversion\telephony[tapi32requestretrytimeout]
 Oueries value:
                          HKLM\software\microsoft\windows\currentversion\internet
settings[disableimprovedzonecheck]
                          HKLM\software\microsoft\internet
 Queries value:
explorer\main\featurecontrol\feature_protocol_lockdown[9b4316a022e8ffa53c35fafab8f7753b.exe]
                          HKLM\software\microsoft\internet
 Oueries value:
explorer\main\featurecontrol\feature_protocol_lockdown[*]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[queryadaptername]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disableadapterdomainname]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[usedomainnamedevolution]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[usedomainnamedevolution]
HKLM\system\currentcontrolset\services\dnscache\parameters[prioritizerecorddata]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[prioritizerecorddata]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[allowunqualifiedquery]
HKLM\system\currentcontrolset\services\tcpip\parameters[allowunqualifiedquery]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[appendtomultilabelname]
 Oueries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dnscache \setminus parameters [screen badtlds]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[screenunreachableservers]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[filterclusterip]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[waitfornameerroronall]
 Oueries value:
                          HKLM\system\currentcontrolset\services\dnscache\parameters[useedns]
 Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [queryipm atching]
 Queries value:
                          HKLM\system\currentcontrolset\services\dnscache\parameters[usehostsfile]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationenabled]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disabledynamicupdate]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerprimaryname]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registeradaptername]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[enableadapterdomainnameregistration]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerreverselookup]
 Queries value:
Queries value:
HKLM\svstem\currentcontrolset\services\dnscache\parameters[registerwanadapters]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disablewandynamicupdate]
 Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [registration ttl]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationttl]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationrefreshinterval]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationrefreshinterval]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationmaxaddresscount]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[maxnumberofaddressestoregister]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[updatesecuritylevel]
 Queries value:
HKLM \verb|\system| current controlset \verb|\services| tcpip \verb|\parameters[updatesecurity level]|
 Queries value:
```

```
HKLM\system\currentcontrolset\services\dnscache\parameters[updatezoneexcludefile]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[updatetopleveldomainzones]
 Queries value:
                       HKLM\system\currentcontrolset\services\dnscache\parameters[dnstest]
                       HKLM\svstem\currentcontrolset\services\dnscache\parameters[maxcachesize]
 Oueries value:
 Queries value:
                       HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachettl]
 Oueries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [maxnegative cachettl]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[adaptertimeoutlimit]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[serverprioritytimelimit]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachedsockets]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[multicastlistenlevel]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[multicastsendlevel]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquerytimeouts]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquickquerytimeouts]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[dnsmulticastquerytimeouts]
                       HKLM\software\microsoft\esent\global\debug[trace level]
 Queries value:
                       \label{lem:hklm} \verb+ HKLM \software \microsoft \windows \current version \cite{thmosoft} internet
 Queries value:
settings\connections[winhttpsettings]
                       HKLM\software\microsoft\tracing[enableconsoletracing]
 Queries value:
 Oueries value:
                       HKLM\software\microsoft\tracing\rasapi32[enablefiletracing]
 Queries value:
                       HKLM\software\microsoft\tracing\rasapi32[filetracingmask]
 Queries value:
                       HKLM\software\microsoft\tracing\rasapi32[enableconsoletracing]
 Queries value:
                       HKLM\software\microsoft\tracing\rasapi32[consoletracingmask]
                       HKLM\software\microsoft\tracing\rasapi32[maxfilesize]
 Queries value:
 Queries value:
                       HKLM\software\microsoft\tracing\rasapi32[filedirectory]
                       HKLM\system\currentcontrolset\control\network\{4d36e972-e325-11ce-bfc1-
 Oueries value:
08002be10318}\{16325b0b-4636-4303-abe3-c7d49d7cecdc}\connection[name]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3-
c7d49d7cecdc}[domain]
 Queries value:
c7d49d7cecdc}[dhcpdomain]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3-
c7d49d7cecdc}[registrationenabled]
 Queries value:
c7d49d7cecdc}[registeradaptername]
 Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[winsock_registry_version]
 Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[serial_access_num]
 Queries value:
Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[num_catalog_entries]
 Oueries value:
                       HKCU\software\microsoft\windows\currentversion\internet
settings\connections[defaultconnectionsettings]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000001[packedcatalogitem]
 Queries value:
Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000003[packedcatalogitem]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000004[packedcatalogitem]
 Queries value:
Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000006[packedcatalogitem]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000007[packedcatalogitem]
 Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000008[packedcatalogitem]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000009[packedcatalogitem]
```

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000010[packedcatalogitem]

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000011[packedcatalogitem]

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5[serial_access_num]

Queries value:

Oueries value:

Queries value:

Queries value:

```
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5[num_catalog_entries]
  Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[librarypath]
  Queries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog 5 \ (catalog\_entries \ 000000000001 \ [displaystring]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[providerid]
  Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[addressfamily]
  Oueries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog 5 \ (catalog\_entries \ 000000000001[supported name space]
  Queries value:
Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[version]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog_\catalog_entries\00000000001[storesserviceclassinfo]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000002[librarypath]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[displaystring]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[addressfamily]
  Queries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ names pace\_catalog 5 \ (catalog\_entries \ 0000000000002[supported names pace]
  Queries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ namespace\_catalog \ set alog\_entries \ 0000000000002 \ [enabled]
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[version]
  Queries value:
HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ names pace\_catalog5 \ catalog\_entries \ 10000000000002 \ [storesservice classinfo]
  Queries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ names pace\_catalog 5 \ (catalog\_entries \ 000000000003 \ [displaystring]
  Queries value:
Queries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog 5 \ (catalog\_entries \ 000000000003 \ [address family]
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[supportednamespace]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[enabled]
  Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap services \setminus catalog \le ca
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[storesserviceclassinfo]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[ws2_32numhandlebuckets]
  Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[ws2_32spincount]
  Queries value:
c7d49d7cecdc}[nameserver]
  Oueries value:
c7d49d7cecdc}[dhcpnameserver]
                                   HKLM\software\microsoft\cryptography[machineguid]
  Queries value:
  Queries value:
                                   HKLM\software\microsoft\windows nt\currentversion[digitalproductid]
  Oueries value:
                                   HKLM\software\microsoft\windows nt\currentversion[digitalproductid4]
  Sets/Creates value:
HKLM\software\microsoft\esent\process\9b4316a022e8ffa53c35fafab8f7753b\debug[trace level]
  Value changes:
                                   HKLM\software\microsoft\cryptography\rng[seed]
                                   HKLM\software\microsoft\windows
  Value changes:
nt\currentversion\tracing\microsoft\eappcfg[logsessionname]
  Value changes:
                                   HKLM\software\microsoft\windows
nt\currentversion\tracing\microsoft\eappcfg[active]
  Value changes:
                                   HKLM\software\microsoft\windows
nt\currentversion\tracing\microsoft\eappcfg[controlflags]
  Value changes:
                                   HKLM\software\microsoft\windows
nt\currentversion\tracing\microsoft\eappcfg\traceidentifier[guid]
  Value changes:
                                   HKLM\software\microsoft\windows
nt\currentversion\tracing\microsoft\eappcfg\traceidentifier[bitnames]
                                   HKLM\software\microsoft\windows
  Value changes:
```

nt\currentversion\tracing\microsoft\eappprxy[logsessionname]

nt\currentversion\tracing\microsoft\eappprxy[controlflags]

nt\currentversion\tracing\microsoft\eappprxy\traceidentifier[guid]

 $\verb|nt\currentversion\tracing\microsoft\eappprxy[active]|$

HKLM\software\microsoft\windows

HKLM\software\microsoft\windows

HKLM\software\microsoft\windows

Value changes:

Value changes:

Value changes:

Value changes: HKLM\software\microsoft\windows

 $\verb| nt\currentversion \verb| tracing \verb| microsoft \verb| eappprxy \verb| trace identifier [bitnames]| \\$

Value changes: HKLM\software\microsoft\windows
nt\currentversion\tracing\microsoft\qutil[logsessionname]
Value changes: HKLM\software\microsoft\windows
nt\currentversion\tracing\microsoft\windows

value changes: InkLm\software\microsoft\windows
nt\currentversion\tracing\microsoft\qutil[active]
Value changes: HKLM\software\microsoft\windows
nt\currentversion\tracing\microsoft\qutil[controlflags]
Value changes: HKLM\software\microsoft\windows
nt\currentversion\tracing\microsoft\qutil\traceidentifier[guid]
Value changes: HKLM\software\microsoft\windows

 $\verb| nt\currentversion\tracing\m| icrosoft\qutil\traceidentifier[bitnames]|$

Value changes:

Value changes:

 $HKLM \setminus system \setminus current control set \setminus services \setminus eventlog \setminus application \setminus esent[category message file]$

Value changes:

HKLM\system\currentcontrolset\services\eventlog\application\esent[categorycount]

Value changes:

 $\label{thm:logal} \verb|HKLM| system| current control set \verb|services| eventlog| application| esent[types supported]| | the system of the system$