Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details

Host: mag2, Sample ID: 624, Task ID: 2442

Task ID: 2442 Risk Level: 6

Date Processed: 2016-02-22 05:31:02 (UTC)

Processing Time: 63.44 seconds
Virtual Environment: IntelliVM

Execution Arguments:

"c:\windows\temp\2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d.exe"

Sample ID: 624
Type: basic
Owner: admin

Label: 2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d

Date Added: 2016-02-22 05:26:49 (UTC)

File Type: PE32:win32:gui File Size: 506404 bytes

MD5: 6c6ee4868e04ff41ebe0c6312de19368

SHA256: 2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d

Description: None

Pattern Matching Results

4 Reads process memory

- 5 Abnormal sleep detected
- 4 Register or unregister a DLL from command line
- 3 HTTP connection response code 200 (success) [HTTP, POST, GET, web, network, response code]
- 6 Modifies registry autorun entries
- 2 PE: Nonstandard section
- 4 Downloads executable
- 6 Tries to detect VM environment
- 5 Adds autostart object
- 4 Checks whether debugger is present
- 4 Terminates process under Windows subfolder
- 5 PE: Contains compressed section
- 6 Creates executable in application data folder

Static Events

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

Process/Thread Events

Creates process:

C:\WINDOWS\Temp\2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d.exe
["c:\windows\temp\2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d.exe"]

Creates process: C:\WINDOWS\system32\regsvr32.exe [regsvr32.exe]

Creates process: C:\WINDOWS\system32\regsvr32.exe ["C:\WINDOWS\system32\regsvr32.exe"]

Loads service: RASMAN [C:\WINDOWS\system32\svchost.exe -k netsvcs]

Reads from process: PID:328 C:\WINDOWS\system32\regsvr32.exe Reads from process: PID:2000 C:\WINDOWS\system32\regsvr32.exe

Reads from process: PID:4 System

PID:388 C:\WINDOWS\system32\smss.exe Reads from process: PID:592 C:\WINDOWS\system32\winlogon.exe Reads from process: Reads from process: PID:896 C:\WINDOWS\system32\services.exe PID:908 C:\WINDOWS\system32\lsass.exe Reads from process: PID:1068 C:\WINDOWS\system32\svchost.exe Reads from process: Reads from process: PID:1272 C:\WINDOWS\system32\svchost.exe PID:1760 C:\WINDOWS\system32\spoolsv.exe Reads from process: PID:1884 C:\Program Files\Java\jre7\bin\jqs.exe Reads from process:

Reads from process: PID:1992 C:\WINDOWS\explorer.exe

Reads from process: PID:336 C:\Program Files\Adobe\Reader 9.0\Reader\reader_sl.exe

Reads from process: PID:352 C:\WINDOWS\system32\ctfmon.exe
Reads from process: PID:408 C:\WINDOWS\system32\regsvr32.exe
Reads from process: PID:1356 C:\WINDOWS\system32\rundl132.exe
Reads from process: PID:1872 C:\WINDOWS\system32\regsvr32.exe
Writes to process: PID:328 C:\WINDOWS\system32\regsvr32.exe
Writes to process: PID:2000 C:\WINDOWS\system32\regsvr32.exe

Writes to process: PID:2000 C:\WINDOWS\system32\regsvr32.exe
Writes to process: PID:408 C:\WINDOWS\system32\regsvr32.exe
Writes to process: PID:1872 C:\WINDOWS\system32\regsvr32.exe

Terminates process:

C:\WINDOWS\Temp\2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d.exe

Terminates process: C:\WINDOWS\system32\regsvr32.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-

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1957994488-1003
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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\SHIMLIB_LOG_MUTEX
Creates mutex: \BaseNamedObjects\9C3E1483EF5588D4
Creates mutex: \BaseNamedObjects\E17D600D928B4AA2

Creates mutex: \BaseNamedObjects\c:!documents and settings!admin!local

settings!temporary internet files!content.ie5!

Creates mutex: \BaseNamedObjects\c:!documents and settings!admin!cookies!
Creates mutex: \BaseNamedObjects\c:!documents and settings!admin!local

settings!history!history.ie5!

Creates mutex: \BaseNamedObjects\WininetConnectionMutex
Creates mutex: \BaseNamedObjects\ZonesCounterMutex

Creates mutex: \BaseNamedObjects\ZoneAttributeCacheCounterMutex
Creates mutex: \BaseNamedObjects\ZonesCacheCounterMutex

Creates mutex: \BaseNamedObjects\ZonesCacheCounterMutex
Creates mutex: \BaseNamedObjects\ZonesLockedCacheCounterMutex

Creates mutex: \BaseNamedObjects\B141649025558B61

Creates event: \BaseNamedObjects\userenv: User Profile setup event

Creates semaphore: \BaseNamedObjects\shell.{A48F1A32-A340-11D1-BC6B-00A0C90312E1} \Creates semaphore: \BaseNamedObjects\shell.{210A4BA0-3AEA-1069-A2D9-08002B30309D}

File System Events

Creates: C:\Documents and Settings\Admin\Local Settings\Application Data\opixad

Creates: C:\Documents and Settings\Admin\Local Settings\Application

Data\opixad\opixad.exe

Creates: C:\Documents and Settings\Admin\Local Settings\Temporary Internet

Files\Content.IE5\QXMNQBKF\en-my[1].htm

Creates: C:\Documents and Settings\Admin\Local Settings\Temporary Internet

Files\Content.IE5\QXMNQBKF\WindowsXP-KB968930-x86-ENG[1].exe

Opens: C:\WINDOWS\Prefetch\2B8AD717E0F5509CFAFBA2D0B0D83-1F8B586E.pf

Opens: C:\Documents and Settings\Admin
Opens: C:\WINDOWS\system32\imm32.dl1
Opens: C:\WINDOWS\system32\comctl32.dl1

Opens: C:\WINDOWS\system32\COMCTL32.dll.124.Manifest
Opens: C:\WINDOWS\system32\COMCTL32.dll.124.Config

Opens: C:\WINDOWS\system32\shell32.dll

Opens: C:\WINDOWS\system32\SHELL32.dll.124.Manifest
Opens: C:\WINDOWS\system32\SHELL32.dll.124.Config
Opens: C:\WINDOWS\WinSxS\x86_Microsoft.Windows.Common-

Controls_6595b64144ccf1df_6.0.2600.5512_x-ww_35d4ce83

Opens: C:\WINDOWS\WinSxS\x86_Microsoft.Windows.Common-

Controls_6595b64144ccf1df_6.0.2600.5512_x-ww_35d4ce83\comctl32.dll

Opens: C:\WINDOWS\WindowsShell.Manifest
Opens: C:\WINDOWS\WindowsShell.Config
Opens: C:\WINDOWS\system32\MSCTF.dll
Opens: C:\WINDOWS\system32\MSCTFIME.IME
Opens: C:\WINDOWS\system32\ole32.dll

Opens: C:\WINDOWS\system32\urlmon.dll.123.Manifest
Opens: C:\WINDOWS\system32\urlmon.dll.123.Config
Opens: C:\WINDOWS\system32\wininet.dll.123.Manifest
Opens: C:\WINDOWS\system32\wininet.dll.123.Config

Opens: C:\WINDOWS\system32\wsock32.dll Opens: C:\WINDOWS\system32\ws2_32.dll Opens: C:\WINDOWS\system32\ws2help.dll Opens: C:\WINDOWS\system32\winmm.dll Opens: C:\WINDOWS\system32\atl.dll Opens: C:\WINDOWS\system32\wtsapi32.dll Opens: C:\WINDOWS\system32\winsta.dll Opens: C:\WINDOWS\system32\netapi32.dll Opens: C:\WINDOWS\system32\psapi.dll

Opens: C:\WINDOWS\System32\WindowsPowerShell\v1.0\powershell.exe

Opens: C:\WINDOWS\system32

Opens: C:\

Opens: C:\WINDOWS

Opens: C:\WINDOWS\system32\regsvr32.exe.Manifest
Opens: C:\WINDOWS\Prefetch\REGSVR32.EXE-25EFF2F.pf

 Opens:
 C:\WINDOWS\system32\comct132.dll.124.Manifest

 Opens:
 C:\WINDOWS\system32\comct132.dll.124.Config

 Opens:
 C:\WINDOWS\system32\shell32.dll.124.Manifest

 Opens:
 C:\WINDOWS\system32\shell32.dll.124.Config

```
Opens:
C:\WINDOWS\Temp\2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d.exe
 Opens:
                         C:\WINDOWS\system32\drivers\VBoxMouse.sys
                         C:\Documents and Settings\Admin\Local Settings\Application Data\opixad
 Opens:
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Application
Data\opixad\opixad.exe
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temporary Internet Files
                         C:\Documents and Settings\Admin\Local Settings\Temporary Internet
 Opens:
Files\Content.IE5
                         C:\Documents and Settings\Admin\Local Settings\History
 Opens:
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\History\History.IE5
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temporary Internet
Files\Content.IE5\index.dat
 Opens:
                         C:\Documents and Settings\Admin\Cookies
 Opens:
                         C:\Documents and Settings\Admin\Cookies\index.dat
                         C:\Documents and Settings\Admin\Local
 Opens:
Settings\History\History.IE5\index.dat
 Opens:
                         C:\WINDOWS\system32\mswsock.dll
 Opens:
                         C:\WINDOWS\system32\hnetcfg.dll
 Opens:
                         C:\WINDOWS\system32\wshtcpip.dll
 Opens:
                         C:\WINDOWS\system32\rasapi32.dll
 Opens:
                         C:\WINDOWS\system32\rasman.dll
                         C:\WINDOWS\system32\tapi32.dll
 Opens:
 Opens:
                         C:\WINDOWS\system32\rtutils.dll
 Opens:
                         C:\WINDOWS\system32\TAPI32.dll.124.Manifest
 Opens:
                         C:\WINDOWS\system32\TAPI32.dll.124.Config
 Opens:
                         C:\Documents and Settings\All Users\Application
Data\Microsoft\Network\Connections\Pbk
 Opens:
                         C:\WINDOWS\svstem32\ras
 Opens:
                         C:\WINDOWS\Temp\8622eeb8-9be1-43d9-9e31-70dbb46f9cea
 Opens:
                         C:\AUTOEXEC.BAT
 Opens:
                         C:\Documents and Settings\Admin\Application
Data\Microsoft\Network\Connections\Pbk\
 Opens:
                         C:\WINDOWS\system32\sensapi.dll
                         C:\WINDOWS\system32\rasadhlp.dll
 Opens:
 Opens:
                         C:\Documents and Settings\Admin\Cookies\admin@microsoft[1].txt
 Opens:
                         C:\WINDOWS\system32\dnsapi.dll
 Opens:
                         C:\WINDOWS\system32\msv1_0.dll
 Opens:
                         C:\WINDOWS\system32\iphlpapi.dll
 Opens:
                         C:\WINDOWS\system32\drivers\etc\hosts
 Opens:
                         C:\WINDOWS\system32\rsaenh.dll
 Opens:
                         C:\WINDOWS\system32\crypt32.dll
 Opens:
                         C:\Documents and Settings\Admin\Cookies\admin@www.microsoft[2].txt
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temporary Internet
Files\Content.IE5\QXMNQBKF\en-my[1].htm
 Opens:
                         C:
                         C:\WINDOWS\WinSxS
 Opens:
 Opens:
                         C:\WINDOWS\system32\ntdll.dll
                         C:\WINDOWS\system32\kernel32.dll
 Opens:
                         C:\WINDOWS\system32\unicode.nls
 Opens:
 Opens:
                         C:\WINDOWS\system32\locale.nls
 Opens:
                         C:\WINDOWS\system32\sorttbls.nls
 Opens:
                         C:\WINDOWS\system32\msvcrt.dll
 Opens:
                         C:\WINDOWS\system32\advapi32.dll
 Opens:
                         C:\WINDOWS\system32\rpcrt4.dll
 Opens:
                         C:\WINDOWS\system32\secur32.dll
 Opens:
                         C:\WINDOWS\system32\user32.dll
 Opens:
                         C:\WINDOWS\system32\gdi32.dll
                         C:\WINDOWS\system32\ctype.nls
 Opens:
 Opens:
                         C:\WINDOWS\system32\oleaut32.dll
 Opens:
                         C:\WINDOWS\system32\sortkey.nls
                         C:\WINDOWS\system32\version.dll
 Opens:
 Opens:
                         C:\WINDOWS\system32\wininet.dll
 Opens:
                         C:\WINDOWS\system32\shlwapi.dll
                         C:\WINDOWS\system32\normaliz.dll
 Opens:
 Opens:
                         C:\WINDOWS\system32\urlmon.dll
 Opens:
                         C:\WINDOWS\system32\iertutil.dll
 Opens:
                         C:\WINDOWS\system32\userenv.dll
 Opens:
                         C:\WINDOWS\system32\rpcss.dll
 Opens:
                         C:\WINDOWS\system32\winlogon.exe
 Opens:
                         C:\WINDOWS\system32\xpsp2res.dll
 Opens:
                         C:\WINDOWS\system32\clbcatq.dll
 Opens:
                         C:\WINDOWS\system32\comres.dll
                         C:\WINDOWS\Registration\R00000000007.clb
 Opens:
 Opens:
                         C:\WINDOWS\system32\wbem\wbemprox.dll
                         C:\WINDOWS\system32\wbem\wbemcomn.dll
 Opens:
 Opens:
                         C:\WINDOWS\system32\wbem\wbemsvc.dl1
 Opens:
                         C:\WINDOWS\system32\wbem\fastprox.dll
 Opens:
                         C:\WINDOWS\system32\msvcp60.dll
 Opens:
                         C:\WINDOWS\system32\ntdsapi.dll
 Writes to:
                         C:\Documents and Settings\Admin\Local Settings\Application
Data\opixad\opixad.exe
 Writes to:
                         C:\Documents and Settings\Admin\Local Settings\Temporary Internet
```

```
Files\Content.IE5\QXMNQBKF\en-my[1].htm
```

Writes to: C:\Documents and Settings\Admin\Local Settings\Temporary Internet

Files\Content.IE5\QXMNQBKF\WindowsXP-KB968930-x86-ENG[1].exe

Reads from:

C:\WINDOWS\Temp\2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d.exe

Reads from: C:\AUT0EXEC.BAT

Reads from: C:\Documents and Settings\Admin\Cookies\admin@microsoft[1].txt

Reads from: C:\WINDOWS\system32\rsaenh.dll

Reads from: C:\Documents and Settings\Admin\Cookies\admin@www.microsoft[2].txt

Deletes:

 ${\tt C: WINDOWS \backslash Temp \backslash 2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d.exe}$

Deletes: C:\Documents and Settings\Admin\Local Settings\Temporary Internet

Files\Content.IE5\QXMNQBKF\en-my[1].htm

Network Events

DNS query: microsoft.com DNS query: www.microsoft.com download.microsoft.com DNS query: DNS response: $microsoft.com \Rightarrow 23.100.122.175$ DNS response: $microsoft.com \Rightarrow 23.96.52.53$ microsoft.com ⇒ 191.239.213.197 DNS response: DNS response: $microsoft.com \Rightarrow 104.40.211.35$ DNS response: microsoft.com ⇒ 104.43.195.251 e10088.dspb.akamaiedge.net \Rightarrow 104.66.4.137 DNS response: DNS response: e3673.dspg.akamaiedge.net ⇒ 104.66.20.77 Connects to: 147.142.170.150:80 Connects to: 96.132.82.215:80 Connects to: 157.176.9.201:80 Connects to: 247.13.193.23:80 Connects to: 63.25.247.144:80 Connects to: 113.17.120.112:80 Connects to: 223.179.55.193:80 159.196.249.186:80 Connects to: Connects to: 56.247.173.62:80 Connects to: 116.111.195.123:80 23.100.122.175:80 Connects to: Connects to: 52.21.240.144:80 149.18.6.98:80 Connects to: 189.27.224.238:80 Connects to: Connects to: 47.160.118.13:443 Connects to: 80.58.102.140:80 242.186.27.147:80 Connects to: Connects to: 47.17.173.240:80 Connects to: 43.66.210.131:80 Connects to: 236, 151, 113, 81:80 Connects to: 104.66.4.137:80 Connects to: 185.24.201.131:80 59.204.181.237:80 Connects to: Connects to: 190.102.9.52:80 Connects to: 77.184.18.150:80 Connects to: 20.32.116.70:80 Connects to: 242.202.225.35:80 Connects to: 175.51.99.63:80 73.60.89.250:8080 Connects to: Connects to: 223.135.210.97:8080 Connects to: 246.201.64.181:80 Connects to: 63.117.207.3:80 Connects to: 164.248.13.205:80 Connects to: 19.117.43.32:80 Connects to: 143.104.175.104:80 Connects to: 102.219.172.228:80 Connects to: 1.39.98.198:80 196.226.133.202:80 Connects to: Connects to: 179.97.196.239:8080 Connects to: 61.132.13.125:80 Connects to: 197.85.44.93:80 Connects to: 230.137.227.71:80 Connects to: 78.94.15.253:80 Connects to: 87.8.51.178:80 Connects to: 65.3.90.119:80 170.157.86.246:80 Connects to: Connects to: 225.206.54.44:80 197.27.199.66:80 Connects to: 2.225.139.83:80 Connects to: Connects to: 133.214.29.98:80 Connects to: 18.25.79.58:80 170.251.131.83:80 Connects to: Connects to: 30.6.60.145:443 Connects to: 25.164.189.188:80 104.66.20.77:80 Connects to:

180.195.253.107:80 Connects to: Connects to: 177.110.57.48:80 Connects to: 82.41.99.141:8080 221.134.160.60:443 Connects to: Connects to: 22.5.50.226:80 Connects to: 198.69.67.255:443 67.123.110.214:8080 Connects to: Connects to: 50.152.157.87:80 Connects to: 193.11.72.179:80 235.20.72.137:8080 Connects to: Connects to: 159.243.180.142:8080 Connects to: 221.157.11.235:80 194.66.5.210:8080 Connects to: Connects to: 246.42.89.38:443 Connects to: 223.1.95.122:443 146.54.151.249:80 Connects to: Connects to: 40.102.24.251:80 Connects to: 219.28.185.149:80 72.152.111.59:8080 Connects to: Connects to: 90.208.12.186:80 Connects to: 66.128.164.130:80 Connects to: 217.160.111.96:80 Connects to: 24.184.12.222:8080 Connects to: 211.121.63.158:80 216.229.78.103:80 Connects to: Connects to: 224.106.64.244:80 Connects to: 148.216.107.201:8080 225.220.229.9:443 Connects to: Connects to: 158.166.195.152:80 Connects to: 74.161.91.45:80 85.172.73.81:80 Connects to: 112.249.218.218:80 Connects to: Connects to: 62.235.118.83:80 Sends data to: 8.8.8.8:53 Sends data to: microsoft.com:80 (23.100.122.175) Sends data to:

20.34.170.172:80

Connects to:

 Sends data to:
 e10088.dspb.akamaiedge.net:80 (104.66.4.137)

 Sends data to:
 e3673.dspg.akamaiedge.net:80 (104.66.20.77)

 Sends data to:
 0.0.0.0:0

 Sends data to:
 66.128.164.130:80

 Receives data from:
 0.0.0.0:0

Receives data from: microsoft.com:80 (23.100.122.175)

Receives data from: e10088.dspb.akamaiedge.net:80 (104.66.4.137)
Receives data from: e3673.dspg.akamaiedge.net:80 (104.66.20.77)

Receives data from: 66.128.164.130:80

Windows Registry Events

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

Creates key: HKCU\software\microsoft\multimedia\audio compression manager\
Creates key: HKCU\software\microsoft\multimedia\audio compression manager\msacm
Creates key: HKCU\software\microsoft\multimedia\audio compression manager\priority

v4.00

Creates key: HKCU\software\microsoft\internet explorer\main\featurecontrol Creates key: HKCU\software\microsoft\internet explorer\international

Creates key: HKCU\software\microsoft\internet explorer\main\featurecontrol\feature_browser_emulation Creates key: HKLM\software\microsoft\internet explorer\main\featurecontrol\feature_browser_emulation Creates key: HKCU\software\58a0f8e6c5 Creates key: HKLM\software\58a0f8e6c5

Creates key: HKCU\software\microsoft\windows\currentversion\explorer\user shell

folders

Creates key: HKCU\software\microsoft\windows\currentversion\explorer\shell folders
Creates key: HKLM\software\microsoft\windows\currentversion\explorer\user shell

folders

Creates key: HKLM\software\microsoft\windows\currentversion\explorer\shell folders

Creates key: HKLM\software\microsoft\tracing

settings\connections

Creates key: HKCU\software\microsoft\windows nt\currentversion\network\location

awareness

Creates key: HKLM\system\currentcontrolset\services\tcpip\parameters
Creates key: HKCU\software\microsoft\windows\currentversion\internet

settings\p3p\history

Creates key: HKLM\software\f9a08ecceb8739965b6
Creates key: HKLM\software\3e6a7c5b16cbf25e
Creates key: HKLM\software\microsoft\wbem\cimom

Deletes value: HKLM\software[]

Deletes value: HKCU\software\microsoft\windows\currentversion\internet

settings[proxyserver]

Deletes value: HKCU\software\microsoft\windows\currentversion\internet

settings[proxyoverride]

Deletes value: HKCU\software\microsoft\windows\currentversion\internet

settings[autoconfigurl]

Deletes value: HKLM\software\f9a08ecceb8739965b6[486563e35e3342dbf34]
Deletes value: HKLM\software\3e6a7c5b16cbf25e[c8a5204f24be324ac5]

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

options\2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d.exe

Opens key: HKLM\system\currentcontrolset\control\terminal server
Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\gdi32.dll

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

options\user32.dll

Opens key: HKLM\system\currentcontrolset\control\session manager
Opens key: HKLM\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\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\comctl32.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\comdlg32.dll

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

 ${\it options} \\ {\it version.dll}$

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: HKCU\

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

Opens key: HKCU\control panel\desktop

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options\msctf.dll

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options\apphelp.dll
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explorer\main\featurecontrol\feature_mime_handling

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Opens key: HKCU\software\microsoft\internet

explorer\main\featurecontrol\feature_http_username_password_disable

HKLM\software\microsoft\internet Opens key:

explorer\main\featurecontrol\feature_http_username_password_disable

 $\label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet$ Opens key:

settings\zonemap\

HKCU\software\microsoft\internet Opens kev:

explorer\main\featurecontrol\feature_zones_check_zonemap_policy_kb941001

HKLM\software\microsoft\internet Opens key:

explorer\main\featurecontrol\feature_zones_check_zonemap_policy_kb941001

Opens key: $\label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\$

settings\zonemap\ranges\

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

settings\zonemap\protocoldefaults\

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

settings\zonemap\domains\

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

settings\zonemap\domains\

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

settings\zonemap\domains\msn.com

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

settings\zonemap\domains\msn.com\related

Opens key: HKCU\software\microsoft\internet

explorer\main\featurecontrol\feature_use_ietldlist_for_domain_determination

Opens key: HKLM\software\microsoft\internet

explorer\main\featurecontrol\feature_use_ietldlist_for_domain_determination Opens key: HKCU\software\microsoft\internet explorer\ietld

Opens key: HKLM\software\policies\microsoft\internet explorer\security

 $\label{lem:hkcu} \mbox{HKCU\software\mbox{\sc urrentversion\internet settings\sc variety}} \mbox{\sc urrentversion\sc variety} \mbox{\sc urrentversion\sc urrentversion\sc variety} \mbox{\sc urrentversion\sc urrentvers$ Opens key: Opens key: HKCU\software\microsoft\windows\currentversion\internet settings\zones\0 Opens key: HKCU\software\microsoft\windows\currentversion\internet settings\zones\2 Opens key: HKCU\software\microsoft\windows\currentversion\internet settings\zones\4

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

settings\zones\

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

settings\zones\

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

settings\zones\0

Opens key: $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \policies \microsoft \windows \current version \end{tabular} internet \end{tabular}$ settings\zones\0

Opens key:

HKLM\software\policies\microsoft\windows\currentversion\internet settings\zones\1

Opens kev:

HKCU\software\policies\microsoft\windows\currentversion\internet settings\zones\1

Opens key:

 $\label{lem:hklmsoftware policies microsoft windows \current version \cite{thmsoftware} in the lemma of the$

settings\zones\2

HKCU\software\policies\microsoft\windows\currentversion\internet

Opens key: settings\zones\2

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

settings\zones\3

Opens key: $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \policies \microsoft \windows \current version \end{tabular} in termet \end{tabular}$

settings\zones\3

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

```
settings\zones\4
                          HKCU\software\policies\microsoft\windows\currentversion\internet
 Opens kev:
settings\zones\4
 Opens key:
                          HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_localmachine_lockdown
 Opens key:
                          HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_localmachine_lockdown
                          HKLM\software\policies\microsoft\windows\currentversion\internet
 Opens kev:
settings\lockdown_zones\
 Opens key:
                          HKCU\software\policies\microsoft\windows\currentversion\internet
settings\lockdown_zones\
 Opens key:
                          \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \cite{thm:lem:hkcu} in terms to the lemma soft \cite{thm:lem:hkcu} and \cite{thm:lem:hkcu} are \cite{thm:lem:hkcu}.
settings\lockdown_zones\
                          HKCU\software\microsoft\windows\currentversion\internet
 Opens key:
settings\lockdown_zones\0
 Opens key:
                          HKLM\software\policies\microsoft\windows\currentversion\internet
settings\lockdown_zones\0
 Opens key:
                          HKCU\software\policies\microsoft\windows\currentversion\internet
settings\lockdown_zones\0
                          HKCU\software\microsoft\windows\currentversion\internet
 Opens key:
settings\lockdown_zones\1
 Opens key:
                          HKLM\software\policies\microsoft\windows\currentversion\internet
settings\lockdown_zones\1
 Opens key:
                          HKCU\software\policies\microsoft\windows\currentversion\internet
settings\lockdown_zones\1
                          HKCU\software\microsoft\windows\currentversion\internet
 Opens key:
settings\lockdown_zones\2
                          HKLM\software\policies\microsoft\windows\currentversion\internet
 Opens key:
settings\lockdown_zones\2
 Opens key:
                          HKCU\software\policies\microsoft\windows\currentversion\internet
settings\lockdown_zones\2
                          HKCU\software\microsoft\windows\currentversion\internet
 Opens key:
settings\lockdown_zones\3
 Opens key:
                          HKLM\software\policies\microsoft\windows\currentversion\internet
settings\lockdown_zones\3
 Opens key:
                          HKCU\software\policies\microsoft\windows\currentversion\internet
settings\lockdown_zones\3
                          HKCU\software\microsoft\windows\currentversion\internet
 Opens key:
settings\lockdown_zones\4
                          HKLM\software\policies\microsoft\windows\currentversion\internet
 Opens key:
settings\lockdown_zones\4
                          \label{lem:hkcu} \begin{tabular}{ll} HKCU \software \policies \microsoft \windows \current version \end{tabular} in termet \end{tabular}
 Opens key:
settings\lockdown_zones\4
                          HKCU\software\microsoft\internet
 Opens key:
explorer\main\featurecontrol\feature_allow_reverse_solidus_in_userinfo_kb932562
                          HKLM\software\microsoft\internet
 Opens key:
explorer\main\featurecontrol\feature_allow_reverse_solidus_in_userinfo_kb932562
 Opens key:
                          HKLM\system\currentcontrolset\control\securityproviders
 Opens kev:
                          HKLM\system\currentcontrolset\control\lsa\sspicache
                          HKLM\system\currentcontrolset\control\lsa\sspicache\msapsspc.dll
 Opens key:
 Opens key:
                          HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll
 Opens key:
                          HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll
 Opens key:
                          HKLM\software\microsoft\windows nt\currentversion\image file execution
options\dnsapi.dll
 Opens kev:
                          HKLM\system\currentcontrolset\services\dnscache\parameters
 Opens key:
                          HKLM\software\policies\microsoft\windows nt\dnsclient
 Opens key:
                          HKLM\system\currentcontrolset\control\securityproviders\saslprofiles
 Opens key:
                          HKLM\system\currentcontrolset\services\tcpip\parameters
                          HKLM\software\microsoft\windows nt\currentversion\image file execution
 Opens key:
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
                          \label{lem:hklm} \verb+Kklm/software/microsoft/windows nt/currentversion/image file execution
 Opens key:
options\msv1_0.dll
 Opens key:
c7d49d7cecdc}
 Opens kev:
                          HKLM\software\policies\microsoft\svstem\dnsclient
 Opens key:
                          HKLM\software\microsoft\cryptography\defaults\provider\microsoft strong
cryptographic provider
 Opens key:
                          HKLM\software\microsoft\windows nt\currentversion\image file execution
options\rsaenh.dll
 Opens key:
                          HKLM\software\policies\microsoft\cryptography
                          HKLM\software\microsoft\cryptography
 Opens kev:
 Opens key:
                          HKLM\software\microsoft\cryptography\offload
                          HKCU\software\microsoft\internet
 Opens key:
explorer\main\featurecontrol\feature_zone_elevation
 Opens key:
                          HKLM\software\microsoft\internet
```

explorer\main\featurecontrol\feature_zone_elevation

HKCU\software\microsoft\internet

explorer\main\featurecontrol\feature_bypass_cache_for_credpolicy_kb936611

Opens key:

HKLM\software\microsoft\internet Opens key:

explorer\main\featurecontrol\feature_bypass_cache_for_credpolicy_kb936611

Opens kev: HKCU\software\microsoft\internet

explorer\main\featurecontrol\feature_ignore_mappings_for_credpolicy

Opens kev: HKLM\software\microsoft\internet

explorer\main\featurecontrol\feature_ignore_mappings_for_credpolicy

HKCU\software\microsoft\internet explorer\ietld\lowmic Opens key: Opens key: HKCU\software\microsoft\windows\currentversion\internet

settings\p3p\history\microsoft.com

Opens key: HKCU\software\classes\mime\database\content type\text/html

Opens key: HKCR\mime\database\content type\text/html Opens key: HKLM\software\f9a08ecceb8739965b6\ Opens key: HKLM\software\f9a08ecceb8739965b6 HKLM\software\3e6a7c5b16cbf25e\ Opens key: Opens key: HKLM\software\3e6a7c5b16cbf25e

HKLM\software\microsoft\net framework setup\ndp\v2.0.50727\ Opens key: Opens key: HKCU\software\classes\mime\database\content type\application/octet-

stream

Opens key: HKCR\mime\database\content type\application/octet-stream

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

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

options\xpsp2res.dll

Opens key: HKLM\software\classes

Opens key: HKCR\clsid

Opens key: HKCU\software\classes\clsid\{4590f811-1d3a-11d0-891f-00aa004b2e24}

HKCR\clsid\{4590f811-1d3a-11d0-891f-00aa004b2e24} Opens key: Opens key: HKCU\software\classes\clsid\{4590f811-1d3a-11d0-891f-

00aa004b2e24}\treatas

HKCR\clsid\{4590f811-1d3a-11d0-891f-00aa004b2e24}\treatas Opens key: Opens key: HKCU\software\classes\clsid\{4590f811-1d3a-11d0-891f-

00aa004b2e24}\inprocserver32

Opens key:

Opens key: HKCU\software\classes\clsid\{4590f811-1d3a-11d0-891f-

00aa004b2e24}\inprocserverx86

HKCR\clsid\{4590f811-1d3a-11d0-891f-00aa004b2e24}\inprocserverx86 Opens key:

Opens key: HKCU\software\classes\clsid\{4590f811-1d3a-11d0-891f-

00aa004b2e24}\localserver32

HKCR\clsid\{4590f811-1d3a-11d0-891f-00aa004b2e24}\localserver32 Opens key:

Opens key: HKCU\software\classes\clsid\{4590f811-1d3a-11d0-891f-

00aa004b2e24}\inprochandler32

 $HKCR \c1sid \end{4590f811-1d3a-11d0-891f-00aa004b2e24} \nprochandler 32$ Opens key:

Opens key: HKCU\software\classes\clsid\{4590f811-1d3a-11d0-891f-

00aa004b2e24}\inprochandlerx86

Opens key:

Opens key: HKCU\software\classes\clsid\{4590f811-1d3a-11d0-891f-

00aa004b2e24}\localserver

HKCR\clsid\{4590f811-1d3a-11d0-891f-00aa004b2e24}\localserver Opens key:

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

options\wbemcomn.dll

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

options\wbemprox.dll

Opens key: HKCU\software\classes\clsid\{8bc3f05e-d86b-11d0-a075-00c04fb68820}

Opens key: HKCR\clsid\{8bc3f05e-d86b-11d0-a075-00c04fb68820} Opens key: HKCU\software\classes\clsid\{8bc3f05e-d86b-11d0-a075-

00c04fb68820}\treatas

HKCR\clsid\{8bc3f05e-d86b-11d0-a075-00c04fb68820}\treatas Opens key: Opens key: HKCU\software\classes\clsid\{8bc3f05e-d86b-11d0-a075-

00c04fb68820}\inprocserver32

HKCR\clsid\{8bc3f05e-d86b-11d0-a075-00c04fb68820}\inprocserver32 Opens key:

Opens key: HKCU\software\classes\clsid\{8bc3f05e-d86b-11d0-a075-

00c04fb68820}\inprocserverx86

Opens key:

Opens key: HKCU\software\classes\clsid\{8bc3f05e-d86b-11d0-a075-

00c04fb68820}\localserver32

HKCR\clsid\{8bc3f05e-d86b-11d0-a075-00c04fb68820}\localserver32 Opens key:

Opens key: HKCU\software\classes\clsid\{8bc3f05e-d86b-11d0-a075-

00c04fb68820}\inprochandler32

 $HKCR\clsid\{8bc3f05e-d86b-11d0-a075-00c04fb68820\}\inprochandler 32$ Opens key:

Opens key: HKCU\software\classes\clsid\{8bc3f05e-d86b-11d0-a075-

00c04fb68820}\inprochandlerx86

Opens key:

Opens key: HKCU\software\classes\clsid\{8bc3f05e-d86b-11d0-a075-

00c04fb68820}\localserver

HKCR\clsid\{8bc3f05e-d86b-11d0-a075-00c04fb68820}\localserver Opens key: Opens key: $HKCU \setminus software \setminus classes \setminus appid \setminus \{8bc3f05e-d86b-11d0-a075-00c04fb68820\}$

HKCR\appid\{8bc3f05e-d86b-11d0-a075-00c04fb68820} Opens key:

Opens key: $HKCU \setminus software \setminus classes \setminus interface \setminus \{f309ad18 - d86a - 11d0 - a075 - 00c04fb68820\}$ Opens key: HKCR\interface\{f309ad18-d86a-11d0-a075-00c04fb68820}
Opens key: HKCU\software\classes\interface\\{f309ad18-d86a-11d0-a075-

00c04fb68820}\proxystubclsid32

Opens key: HKCR\clsid\{7c857801-7381-11cf-884d-00aa004b2e24}
Opens key: HKCU\software\classes\clsid\{7c857801-7381-11cf-884d-

00aa004b2e24}\treatas

00aa004b2e24}\inprocserver32

Opens key: HKCR\clsid\{7c857801-7381-11cf-884d-00aa004b2e24}\inprocserver32

Opens key: HKCU\software\classes\clsid\{7c857801-7381-11cf-884d-

00aa004b2e24}\inprocserverx86

Opens key: HKCR\clsid\{7c857801-7381-11cf-884d-00aa004b2e24}\inprocserverx86

Opens key: HKCU\software\classes\clsid\{7c857801-7381-11cf-884d-

00aa004b2e24}\localserver32

Opens key: HKCR\clsid\{7c857801-7381-11cf-884d-00aa004b2e24}\localserver32

Opens key: HKCU\software\classes\clsid\{7c857801-7381-11cf-884d-

00aa004b2e24}\inprochandler32

Opens key: HKCR\clsid\{7c857801-7381-11cf-884d-00aa004b2e24}\inprochandler32

Opens key: HKCU\software\classes\clsid\{7c857801-7381-11cf-884d-

00aa004b2e24}\inprochandlerx86

Opens key: HKCR\clsid\{7c857801-7381-11cf-884d-00aa004b2e24}\inprochandlerx86

Opens key: HKCU\software\classes\clsid\{7c857801-7381-11cf-884d-

00aa004b2e24}\localserver

Opens key: HKCR\clsid\{7c857801-7381-11cf-884d-00aa004b2e24}\localserver

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

options\wbemsvc.dll

Opens key: HKCU\software\classes\interface\{d4781cd6-e5d3-44df-ad94-930efe48a887}

Opens key: HKCR\interface\{d4781cd6-e5d3-44df-ad94-930efe48a887}
Opens key: HKCU\software\classes\interface\{d4781cd6-e5d3-44df-ad94-

930efe48a887}\proxystubclsid32

Opens key: HKCR\interface\{d4781cd6-e5d3-44df-ad94-930efe48a887}\proxystubclsid32
Opens key: HKCU\software\classes\interface\{9556dc99-828c-11cf-a37e-00aa003240c7}

Opens key: HKCR\interface\{9556dc99-828c-11cf-a37e-00aa003240c7}
Opens key: HKCU\software\classes\interface\{9556dc99-828c-11cf-a37e-

00aa003240c7}\proxystubclsid32

 $\label{lem:continuous} Opens key: $$ HKCR\interface\{9556dc99-828c-11cf-a37e-00aa003240c7}\proxystubclsid32$$ Opens key: $$ HKCU\software\classes\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea}$$$

 Opens key:
 HKCR\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea}

 Opens key:
 HKCU\software\classes\clsid\{d68af00a-29cb-43fa-8504

ce99a996d9ea}\treatas

 Opens key:
 HKCR\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea}\treatas

 Opens key:
 HKCU\software\classes\clsid\{d68af00a-29cb-43fa-8504

ce99a996d9ea}\inprocserver32

Opens key: $\label{eq:hkcr} \mbox{HKCR\clsid\d68af00a-29cb-43fa-8504-ce99a996d9ea} \mbox{\label{eq:hkcr} inprocserver32}$

Opens key: HKCU\software\classes\clsid\{d68af00a-29cb-43fa-8504-

ce99a996d9ea}\inprocserverx86

Opens key: HKCR\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea}\inprocserverx86

Opens key: $\label{local-continuous} \mbox{HKCU\software\classes\clsid\d68af00a-29cb-43fa-8504-} \\$

ce99a996d9ea}\localserver32

Opens key: HKCR\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea}\localserver32

Opens key: HKCU\software\classes\clsid\{d68af00a-29cb-43fa-8504-

ce99a996d9ea}\inprochandler32

Opens key: HKCR\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea}\inprochandler32

Opens key: HKCU\software\classes\clsid\{d68af00a-29cb-43fa-8504-

ce99a996d9ea}\inprochandlerx86

Opens key: HKCR\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea}\inprochandlerx86

Opens key: HKCU\software\classes\clsid\{d68af00a-29cb-43fa-8504-

ce99a996d9ea}\localserver

Opens key: HKCR\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea}\localserver

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

options\msvcp60.dll

Opens key: ${\tt HKLM \setminus software \setminus microsoft \setminus windows\ nt \setminus current version \setminus image\ file\ execution}$

options\wldap32.dll

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

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

options\ntdsapi.dll

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

options\fastprox.dll

Opens key: HKLM\software\microsoft\wbem\cimom

Opens key: HKCU\software\classes\interface\{027947e1-d731-11ce-a357-00000000001}

Opens key: HKCR\interface\{027947e1-d731-11ce-a357-000000000001}\ Opens key: HKCU\software\classes\interface\{027947e1-d731-11ce-a357-00000000001}\proxystubclsid32

Opens key: HKCR\interface\{027947e1-d731-11ce-a357-00000000001}\proxystubclsid32
Opens key: HKCU\software\classes\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}
Opens key: HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}

Opens key: HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}
Opens key: HKCU\software\classes\clsid\{1b1cad8c-2dab-11d2-b604-

00104b703efd}\treatas

 $\label{lem:opensky: HKCR\clsid\fib1cad8c-2dab-11d2-b604-00104b703efd} \treat as Opensky: $$HKCU\software\classes\clsid\fib1cad8c-2dab-11d2-b604-$$$

```
00104b703efd}\inprocserver32
                                                HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\inprocserver32
   Opens kev:
   Opens key:
                                                HKCU\software\classes\clsid\{1b1cad8c-2dab-11d2-b604-
00104b703efd}\inprocserverx86
   Opens key:
                                                HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\inprocserverx86
   Opens key:
                                                HKCU\software\classes\clsid\{1b1cad8c-2dab-11d2-b604-
00104b703efd}\localserver32
                                               HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\localserver32
   Opens key:
   Opens key:
                                                HKCU\software\classes\clsid\{1b1cad8c-2dab-11d2-b604-
00104b703efd}\inprochandler32
   Opens kev:
                                                HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\inprochandler32
   Opens key:
                                                HKCU\software\classes\clsid\{1b1cad8c-2dab-11d2-b604-
00104b703efd}\inprochandlerx86
                                                HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\inprochandlerx86
   Opens key:
   Opens key:
                                                HKCU\software\classes\clsid\{1b1cad8c-2dab-11d2-b604-
00104b703efd}\localserver
   Opens key:
                                                HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\localserver
   Opens key:
                                                HKCU\software\classes\interface\{1c1c45ee-4395-11d2-b60b-00104b703efd}
   Opens key:
                                                HKCR\interface\{1c1c45ee-4395-11d2-b60b-00104b703efd}
   Opens key:
                                                HKCU\software\classes\interface\{1c1c45ee-4395-11d2-b60b-
00104b703efd}\proxystubclsid32
                                                HKCR\ interface \ \{1c1c45ee-4395-11d2-b60b-00104b703efd\}\ proxystubclsid 32
   Opens key:
                                                HKCU\software\classes\interface\{423ec01e-2e35-11d2-b604-00104b703efd}
   Opens kev:
   Opens key:
                                                HKCR\interface\{423ec01e-2e35-11d2-b604-00104b703efd}
   Opens key:
                                                HKCU\software\classes\interface\{423ec01e-2e35-11d2-b604-
00104b703efd}\proxystubclsid32
   Opens key:
                                                HKCR \land \{423ec01e-2e35-11d2-b604-00104b703efd\} \land proxystubclsid32
   Queries value:
                                                HKLM\system\currentcontrolset\control\terminal server[tsappcompat]
   Oueries value:
                                                HKLM\system\currentcontrolset\control\session manager[safedllsearchmode]
   Queries value:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers[transparentenabled]
                                                HKLM\software\microsoft\windows
   Queries value:
nt\currentversion\gre_initialize[disablemetafiles]
   Queries value:
                                                HKLM\software\microsoft\windows
nt \verb|\currentversion| compatibility 32[2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d]| the substitution of the substitution o
                                                HKLM\software\microsoft\windows nt\currentversion\ime
   Queries value:
compatibility[2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d]
                                               HKLM\software\microsoft\windows nt\currentversion\windows[appinit_dlls]
   Oueries value:
   Queries value:
                                                HKLM\software\microsoft\windows nt\currentversion\winlogon[leaktrack]
   Queries value:
                                                HKCU\control panel\desktop[multiuilanguageid]
                                                HKCU\control panel\desktop[smoothscroll]
   Oueries value:
   Queries value:
                                                HKLM\system\setup[systemsetupinprogress]
   Queries value:
HKCU\software\microsoft\windows\currentversion\explorer\advanced[enableballoontips]
   Queries value:
                                                HKLM\software\microsoft\ctf\systemshared[cuas]
   Queries value:
                                                HKCU\keyboard layout\toggle[language hotkey]
                                                HKCU\keyboard layout\toggle[hotkey]
   Oueries value:
   Queries value:
                                                HKCU\keyboard layout\toggle[layout hotkey]
                                                HKLM\software\microsoft\ctf[enableanchorcontext]
   Oueries value:
                                                HKLM\software\microsoft\windows nt\currentversion\imm[ime file]
   Queries value:
                                                HKLM\system\currentcontrolset\control\session
   Oueries value:
manager[criticalsectiontimeout]
                                                HKLM\software\microsoft\ole[rwlockresourcetimeout]
   Oueries value:
                                                HKCR\interface[interfacehelperdisableall]
   Queries value:
   Oueries 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:
                                                HKCU\software\microsoft\ctf[disable thread input manager]
   Oueries value:
                                                HKLM\software\microsoft\windows
nt\currentversion\winlogon[userenvdebuglevel]
                                                HKLM\software\microsoft\windows
   Oueries value:
nt\currentversion\winlogon[chkaccdebuglevel]
                                                HKLM\system\currentcontrolset\control\productoptions[producttype]
   Oueries value:
   Queries value:
                                                HKCU\software\microsoft\windows\currentversion\explorer\user shell
folders[personal]
   Queries value:
                                                HKCU\software\microsoft\windows\currentversion\explorer\user shell
folders[local settings]
   Queries value:
                                                HKLM\software\microsoft\windows
nt\currentversion\winlogon[rsopdebuglevel]
   Oueries value:
                                                HKLM\software\microsoft\windows nt\currentversion\winlogon[rsoplogging]
                                                \label{thm:local_hammon_hammon} HKLM \setminus software \setminus microsoft \setminus windows \ nt \setminus current version \setminus profile list \setminus s-1-5-21-1 = (a. 1) + (b. 
   Oueries value:
1757981266-507921405-1957994488-1003[profileimagepath]
                                                HKLM\system\currentcontrolset\control\session
   Oueries value:
manager[safeprocesssearchmode]
```

Queries value: HKLM\system\currentcontrolset\control\nls\language groups[5]
Queries value: HKLM\system\currentcontrolset\control\nls\language groups[1]
Queries value: HKLM\system\currentcontrolset\control\nls\language groups[2]
Queries value: HKLM\system\currentcontrolset\control\nls\language groups[4]
Queries value: HKLM\system\currentcontrolset\control\nls\language groups[6]
Queries value: HKLM\system\currentcontrolset\control\nls\language groups[3]

```
Oueries value:
                        HKLM\software\microsoft\windows\currentversion\internet
settings[disableimprovedzonecheck]
 Queries value:
                        HKLM\software\microsoft\internet
explorer\\ \\ main\\ \\ feature \\ \\ control\\ \\ feature \\ \\ protocol\\ \\ \\ \\ lockdown[2b8ad717e0f5509cfafba2d0b0d83108b6e290525c0a1cd583580d31f7c5237d.exe]
                       HKLM\software\microsoft\internet
 Oueries value:
explorer\main\featurecontrol\feature_protocol_lockdown[*]
 Queries value:
                        HKLM\system\currentcontrolset\control\wmi\security[df8480a1-7492-4f45-
ab78-1084642581fb1
 Oueries value:
                        HKLM\system\currentcontrolset\control\wmi\security[00000000-0000-0000-
0000-0000000000001
 Oueries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[wave]
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[wave1]
 Oueries 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]
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[wave5]
 Oueries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[wave6]
 Queries 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]
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[midi3]
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[midi4]
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[midi5]
 Queries value:
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[midi6]
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[midi7]
 Oueries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[midi8]
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[midi9]
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[aux]
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[aux1]
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[aux2]
 Queries value:
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[aux3]
 Oueries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[aux4]
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[aux5]
 Queries value:
 Oueries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[aux6]
 Oueries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[aux7]
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[aux8]
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[aux9]
 Queries value:
 Oueries value:
HKLM\system\currentcontrolset\control\mediaproperties\privateproperties\joystick\winmm[wheel]
 Oueries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer]
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer1]
 Oueries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer2]
 Queries value:
                        HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer3]
 Queries value:
                        HKLM \setminus software \setminus microsoft \setminus windows \ nt \setminus current version \setminus drivers 32 [mixer 4]
 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]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[winsock_registry_version]
 Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[serial_access_num]
 Oueries value:
Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[num_catalog_entries]
 Queries value:
Queries value:
Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000003[packedcatalogitem]
 Queries value:
```

Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000005[packedcatalogitem] Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000006[packedcatalogitem]

Oueries value: $HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ protocol_catalog \ entries \ 0000000000007 \ [packed catalog item]$

Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000008[packedcatalogitem] Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000009[packedcatalogitem] Oueries value:

 $HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ protocol_catalog \ entries \ 0000000000010 \ [packed catalog item]$ Queries value:

 $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ protocol_catalog \ entries \ (000000000011[packed catalog item]) \ details \ de$ Queries value:

```
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5[serial_access_num]
     Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5[num_catalog_entries]
     Queries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog \ (catalog\_entries \ 00000000001[library path]) \ (library path) \ (library path
     Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[displaystring]
     Oueries value:
HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap ameters \setminus namespace\_catalog S \setminus catalog\_entries \setminus 000000000001[providerid]
     Queries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog 5 \ (catalog\_entries \ 000000000001 \ [address family]
     Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[supportednamespace]
     Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[enabled]
     Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap ameters \setminus namespace\_catalog 5 \setminus catalog\_entries \setminus 0000000000001[version]
     Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\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 \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap ameters \setminus name space\_catalog 5 \setminus catalog\_entries \setminus 00000000000002 [address family]
     Queries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog 5 \ (catalog\_entries \ 0000000000002[supported name space]]
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[enabled]
     Queries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ namespace\_catalog \ services \ winsock 2 \ parameters \ namespace\_catalog \ services \ winsock 2 \ parameters \ namespace\_catalog \ services \ winsock 2 \ parameters \ namespace\_catalog \ services \ winsock 2 \ parameters \ namespace\_catalog \ services \ winsock 2 \ parameters \ namespace\_catalog \ services \ winsock 2 \ parameters \ namespace\_catalog \ services \ winsock 2 \ parameters \ namespace\_catalog \ services \ winsock 2 \ parameters \ namespace\_catalog \ services \ namespace\_catalog \ namespace\_
     Queries value:
HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ namespace \_catalog5 \ catalog\_entries \ 00000000003 [library path]
     Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap ameters \setminus namespace\_catalog 5 \setminus catalog\_entries \setminus 0000000000003 [displaystring]
     Queries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ name space\_catalog \ name space\_catalo
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[addressfamily]
     Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[supportednamespace]
     Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap services \setminus catalog \le ca
     Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000003[version]
     Queries value:
HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ names pace\_catalog5 \ catalog\_entries \ 10000000000003 \ [storesservice classinfo]
     Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[ws2_32numhandlebuckets]
     Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[ws2_32spincount]
     Queries value:
                                                                      HKLM\software\microsoft\windows nt\currentversion[installdate]
                                                                      Oueries value:
manager\appcompatibility[disableappcompat]
     Oueries value:
                                                                      HKLM\system\wpa\mediacenter[installed]
     Queries value:
Oueries value:
                                                                     HKLM\software\policies\microsoft\windows\safer\codeidentifiers[levels]
     Queries value:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\paths\{dda3f824-d8cb-441b-834d-
be2efd2c1a33}[itemdata]
be2efd2c1a33}[saferflags]
     Queries value:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{349d35ab-37b5-462f-9b89-
edd5fbde1328}[itemdata]
HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{349d35ab-37b5-462f-9b89-
edd5fbde1328}[hashalg]
     Queries value:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{349d35ab-37b5-462f-9b89-
edd5fbde1328}[itemsize]
     Oueries value:
```

 $HKLM \ software \ policies \ microsoft \ windows \ safer \ code identifiers \ 0 \ hashes \ \{349d35ab-37b5-462f-9b89-4666f-9b89-46666f-9b89-4666f-9b89-4666f-9b89-4666f-9b89-4666f-9b89-4666f-9b89-4666f-9b89-4666f-9b89-4666f-9b$

edd5fbde1328}[saferflags]

b813f72dbb91}[itemdata]

Queries value:

Oueries value:

Queries value:

 $\label{thm:local-beta-def} $HKLM\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{7fb9cd2e-3076-4df9-a57b-b813f72dbb91\}[itemsize]}$

Oueries value:

Oueries value:

 $HKLM \ software \ blicies \ icrosoft \ windows \ safer \ code identifiers \ 0 \ hashes \ \{81d1fe15-dd9d-4762-b16d-7c29ddecae3f\} [item data]$

Queries value:

Queries value:

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

Queries value:

Queries value:

Queries value:

Queries value:

 $\label{lem:hklmsoftware} Hklm\software\policies\microsoft\windows\safer\codeidentifiers\0\hashes\{94e3e076-8f53-42a5-8411-085bcc18a68d}\[itemsize]$

Oueries value:

Queries value:

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

Queries value:

Queries value:

Queries value:

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

Queries value:

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

Queries value:

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

 $\label{thm:condition} Queries \ value: \\ HKCU \ software \ microsoft \ windows \ current version \ (explorer \ shell) \\$

folders[cache]
Oueries value:

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

Queries value: HKLM\software\microsoft\windows

nt\currentversion\compatibility32[regsvr32]

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

compatibility[regsvr32]

 $Queries\ value: \\ HKCU \ software \ microsoft \ multimedia \ audio [system for mats]$

Queries value: HKLM\software\microsoft\windows

nt\currentversion\drivers32[msacm.imaadpcm]

Queries value:

HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.imaadpcm[fdwsupport]
 Oueries value:

 $\label{lem:hklm} \verb+KLM\software\microsoft\audiocompression manager\driver cache \verb+msacm.imaadpcm[cformattags]+ \label{lem:hklm} \\$

Queries value:

 $\label{local-prop} \begin{tabular}{ll} HKLM \software \microsoft \audiocompression manager \driver cache \mbox{ msacm.im} adpcm [aformattag cache] \\ \hline \end{tabular}$

Queries value:

Queries value: HKLM\software\microsoft\windows

 $\verb|nt\currentversion\drivers32[msacm.msadpcm||\\$

Queries value:

HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.msadpcm[fdwsupport]
 Queries value:

HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.msadpcm[cformattags]
 Oueries value:

HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.msadpcm[aformattagcache]
 Oueries value:

 $HKLM \setminus software \setminus microsoft \setminus audio compression manager \setminus driver cache \setminus msacm.msadpcm[cfiltertags]$

Queries value: HKLM\software\microsoft\windows

nt\currentversion\drivers32[msacm.msg711]

Queries value:

HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.msg711[fdwsupport]

Queries value:

```
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.msg711[cformattags]
 Oueries value:
HKLM \setminus software \setminus microsoft \setminus audio compression manager \setminus driver cache \setminus msg711[aformattag cache]
 Queries value:
HKLM \setminus software \setminus microsoft \setminus audio compression manager \setminus driver cache \setminus msacm. msg711[cfilter tags]
                          HKLM\software\microsoft\windows
 Queries value:
nt\currentversion\drivers32[msacm.msgsm610]
 Oueries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.msgsm610[fdwsupport]
 Oueries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.msgsm610[cformattags]
 Queries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.msgsm610[aformattagcache]
 Oueries value:
HKLM \setminus software \setminus microsoft \setminus audio compression manager \setminus driver cache \setminus msacm. msgsm610[cfilter tags]
                          HKLM\software\microsoft\windows
 Queries value:
nt\currentversion\drivers32[msacm.trspch]
 Queries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.trspch[fdwsupport]
 Queries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.trspch[cformattags]
 Queries value:
HKLM \setminus software \setminus microsoft \setminus audio compression manager \setminus driver cache \setminus msacm.trspch[aformattagcache]
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.trspch[cfiltertags]
 Queries value:
                          HKLM\software\microsoft\windows
nt\currentversion\drivers32[msacm.msg723]
 Queries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.msg723[fdwsupport]
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.msg723[cformattags]
 Queries value:
HKLM \verb|\software\microsoft\audiocompression manager\driver cache\mbox{|} msag723[aformattagcache]|
 Queries value:
HKLM \verb|\software\microsoft\audiocompressionmanager\drivercache\mbox{|}msacm.msg723[cfiltertags]|
                          HKLM\software\microsoft\windows
nt\currentversion\drivers32[msacm.msaudio1]
 Oueries value:
Queries value:
HKLM \verb| software \verb| microsoft \verb| audiocompression manager \verb| driver cache \verb| msaudio1[cformattags]| \\
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.msaudio1[aformattagcache]
 Queries value:
HKLM \setminus software \setminus microsoft \setminus audio compression manager \setminus driver cache \setminus msaudio1[cfilter tags]
                          HKLM\software\microsoft\windows
 Queries value:
nt\currentversion\drivers32[msacm.sl_anet]
 Queries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.sl anet[fdwsupport]
 Queries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.sl_anet[cformattags]
 Oueries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.sl_anet[aformattagcache]
 Queries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.sl anet[cfiltertags]
 Queries value:
                          HKLM\software\microsoft\windows nt\currentversion\drivers32[msacm.iac2]
 Oueries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.iac2[fdwsupport]
 Oueries value:
Queries value:
Queries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.iac2[cfiltertags]
 Oueries value:
                          HKLM\software\microsoft\windows nt\currentversion\drivers32[msacm.l3acm]
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.13acm[fdwsupport]
 Queries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.l3acm[cformattags]
 Oueries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.l3acm[aformattagcache]
 Oueries value:
HKLM\software\microsoft\audiocompressionmanager\drivercache\msacm.l3acm[cfiltertags]
 Queries value:
                         HKCU\software\microsoft\multimedia\audio compression
manager\msacm[nopcmconverter]
                         HKCU\software\microsoft\multimedia\audio compression manager\priority
 Oueries value:
v4.00[priority1]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\thememanager[compositing]
 Oueries value:
                          HKCU\control panel\desktop[lamebuttontext]
 Oueries value:
                          HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_protocol_lockdown[regsvr32.exe]
 Oueries value:
                         HKLM\software\microsoft\windows nt\currentversion[digitalproductid]
```

Queries value:

```
HKLM\system\currentcontrolset\control\computername\activecomputername[computername]
 Oueries value:
                           HKLM\hardware\devicemap\scsi\scsi port 0\scsi bus 0\target id 0\logical
unit id 0[identifier]
 Queries value:
                           HKLM\hardware\description\system[systembiosversion]
 Oueries value:
                           HKLM\hardware\description\svstem[videobiosversion]
 Queries value:
                           HKLM\system\currentcontrolset\services\disk\enum[0]
                           HKLM\software\58a0f8e6c5[0dbdb895]
 Oueries value:
                           HKLM\software\58a0f8e6c5[ad55bee0]
 Oueries value:
 Oueries value:
                           HKCU\software\58a0f8e6c5[ad55bee0]
                           HKCU\software\58a0f8e6c5[0dbdb895]
 Oueries value:
 Oueries value:
                           HKLM\software\58a0f8e6c5[77c866be]
 Queries value:
                           HKCU\software\58a0f8e6c5[77c866be]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\explorer\user shell
folders[appdata]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\explorer\user shell
folders[local appdata]
 Oueries value:
                           HKLM\software\microsoft\windows\currentversion\explorer\user shell
folders[common appdata]
 Queries value:
                           HKLM\software\58a0f8e6c5[33e20707]
                           HKCU\software\58a0f8e6c5[33e20707]
 Oueries value:
 Queries value:
                           HKLM\software\58a0f8e6c5[73d24e53]
 Queries value:
                           HKCU\software\58a0f8e6c5[73d24e53]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\5.0\user agent[]
                           HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings\5.0\user agent[]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\5.0\user agent[compatible]
                           \label{lem:hklm} \verb+Kklm \+ software + microsoft + windows + current version + internet
 Oueries value:
settings\5.0\user agent[compatible]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\5.0\user agent[version]
                           HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings\5.0\user agent[version]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet settings[user
agent]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\5.0\user agent[platform]
                           HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings\5.0\user agent[platform]
 Queries value:
                           HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_browser_emulation[regsvr32.exe]
 Oueries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[fromcachetimeout]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[secureprotocols]
                           HKLM\software\policies\microsoft\internet
 Queries value:
explorer\main[security_hklm_only]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[certificaterevocation]
 Oueries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[disablekeepalive]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[disablepassport]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[idnenabled]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[cachemode]
 Oueries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[enablehttp1_1]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[proxyhttp1.1]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[enablenegotiate]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[disablebasicoverclearchannel]
                           HKCU\software\microsoft\internet
 Queries value:
explorer\main\featurecontrol[feature_clientauthcertfilter]
 Queries value:
                           HKLM\software\microsoft\internet
explorer\main\featurecontrol[feature clientauthcertfilter]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[clientauthbuiltinui]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[syncmode5]
 Queries value:
                           \label{lem:hklm} \verb+Kklm \+ software + microsoft + windows + current version + internet
settings\5.0\cache[sessionstarttimedefaultdeltasecs]
 Queries value:
                           \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\linear}} \mbox{\tt internet}
settings\5.0\cache[signature]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\5.0\cache\content[peruseritem]
 Queries value:
                           \label{lem:hklm} \verb+ HKLM \software \microsoft \windows \current version \cite{thmosoft} internet
settings\5.0\cache\content[peruseritem]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\explorer\user shell
```

```
folders[cache]
                                       HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\content[cacheprefix]
  Queries value:
                                       HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\content[cachelimit]
  Queries value:
                                       \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \current \end{tikzpicture}
settings\5.0\cache\cookies[peruseritem]
                                       \label{lem:hklm} \mbox{HKLM} \mbox{$\tt MKLM} \mbox
  Oueries value:
settings\5.0\cache\cookies[peruseritem]
  Queries value:
                                       HKCU\software\microsoft\windows\currentversion\explorer\user shell
folders[cookies]
  Queries value:
                                       \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \cite{thm:lem:hkcu} in terms to the lemma substitution \cite{thm:lem:hkcu} and \cite{thm:lem:hkcu} are \cite{thm:lem:hkcu}.
settings\5.0\cache\cookies[cacheprefix]
                                       HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\cookies[cachelimit]
  Queries value:
                                       HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\history[peruseritem]
  Queries value:
                                       HKLM\software\microsoft\windows\currentversion\internet
settings\5.0\cache\history[peruseritem]
                                       HKCU\software\microsoft\windows\currentversion\explorer\user shell
  Queries value:
folders[history]
  Queries value:
                                       HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\history[cacheprefix]
                                       HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings\5.0\cache\history[cachelimit]
                                       HKLM\software\microsoft\rpc[maxrpcsize]
  Queries value:
  Queries value:
                                       HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\domstore[cacherepair]
                                       HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\extensible cache\domstore[cachepath]
                                       HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\extensible cache\domstore[cacheprefix]
                                       \label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet
  Queries value:
settings\5.0\cache\extensible cache\domstore[cachelimit]
                                       HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\extensible cache\domstore[cacheoptions]
                                      HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\extensible cache\feedplat[cacherepair]
                                       HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings\5.0\cache\extensible cache\feedplat[cachepath]
  Queries value:
                                       HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\feedplat[cacheprefix]
                                      HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\extensible cache\feedplat[cachelimit]
  Oueries value:
                                       HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\feedplat[cacheoptions]
  Queries value:
                                       \label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\
settings\5.0\cache\extensible cache\iecompat[cacherepair]
                                      HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\extensible cache\iecompat[cachepath]
  Oueries value:
                                       HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\iecompat[cacheprefix]
  Queries value:
                                       HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\iecompat[cachelimit]
                                      HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\extensible cache\iecompat[cacheoptions]
  Queries value:
                                       HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\ietld[cacherepair]
  Oueries value:
                                       HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\ietld[cachepath]
                                      HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings\5.0\cache\extensible cache\ietld[cacheprefix]
                                       HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings\5.0\cache\extensible cache\ietld[cachelimit]
  Queries value:
                                       \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\internet}} \\
settings\5.0\cache\extensible cache\ietld[cacheoptions]
                                      HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings\5.0\cache\extensible cache\mshist012014033120140407[cacherepair]
  Queries value:
                                      HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\mshist012014033120140407[cachepath]
  Queries value:
                                       HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\mshist012014033120140407[cacheprefix]
                                      HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\extensible cache\mshist012014033120140407[cachelimit]
  Queries value:
                                      HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\mshist012014033120140407[cacheoptions]
  Queries value:
                                       \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\internet}} \\
settings\5.0\cache\extensible cache\mshist012014041220140413[cacherepair]
                                      HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\extensible cache\mshist012014041220140413[cachepath]
  Queries value:
                                      HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\mshist012014041220140413[cacheprefix]
  Queries value:
                                       \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \cite{thm:lem:hkcu} in terms to the lemma substitution \cite{thm:lem:hkcu} and \cite{thm:lem:hkcu} are \cite{thm:lem:hkcu}.
```

```
settings\5.0\cache\extensible cache\mshist012014041220140413[cachelimit]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\5.0\cache\extensible cache\mshist012014041220140413[cacheoptions]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\privacie:[cacherepair]
                           \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \cite{thm:lem:hkcu} in terms to the lemma substitution \cite{thm:lem:hkcu} and \cite{thm:lem:hkcu} are \cite{thm:lem:hkcu}.
 Queries value:
settings\5.0\cache\extensible cache\privacie:[cachepath]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\5.0\cache\extensible cache\privacie:[cacheprefix]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\5.0\cache\extensible cache\privacie:[cachelimit]
                           \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \cite{thm:lem:hkcu} in terms to the lemma substitution \cite{thm:lem:hkcu} and \cite{thm:lem:hkcu} are \cite{thm:lem:hkcu}.
 Queries value:
settings\5.0\cache\extensible cache\privacie:[cacheoptions]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[disableworkerthreadhibernation]
                           HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings[disableworkerthreadhibernation]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[disablereadrange]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[socketsendbufferlength]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[socketreceivebufferlength]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[keepalivetimeout]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[maxhttpredirects]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[maxconnectionsperserver]
                           HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings[maxconnectionsperserver]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[maxconnectionsper1_0server]
                           HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings[maxconnectionsper1_0server]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[maxconnectionsperproxv]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[serverinfotimeout]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[connecttimeout]
 Queries value:
                           HKLM\software\microsoft\windows\currentversion\internet
settings[connecttimeout]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[connectretries]
                           HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings[connectretries]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[sendtimeout]
 Queries value:
                           HKLM\software\microsoft\windows\currentversion\internet
settings[sendtimeout]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[receivetimeout]
 Queries value:
                           HKLM\software\microsoft\windows\currentversion\internet
settings[receivetimeout]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[disablentlmpreauth]
 Oueries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[scavengecachelowerbound]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[certcachenovalidate]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache[scavengecachefilelifetime]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\5.0\cache[scavengecachefilelimit]
 Oueries value:
                           HKLM\software\microsoft\windows\currentversion\internet
settings\5.0\cache[scavengecachefilelimit]
 Queries value:
                           \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\linear}} \mbox{\tt internet}
settings[httpdefaultexpirytimesecs]
 Oueries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[ftpdefaultexpirytimesecs]
 Oueries value:
                           HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_disable_unicode_handle_closing_callback[regsvr32.exe]
 Queries value:
                           HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_disable_unicode_handle_closing_callback[*]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[disablecachingofsslpages]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[perusercookies]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[leashlegacycookies]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[disablent4rascheck]
```

```
Oueries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[dialupuselansettings]
 Queries value:
                          HKLM\software\microsoft\windows\currentversion\internet
settings[dialupuselansettings]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[sendextracrlf]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[bypassftptimecheck]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[releasesocketduringauth]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[releasesocketduring401auth]
                          HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings[releasesocketduring401auth]
                          HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[wpadsearchalldomains]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[disablelegacypreauthasserver]
                          HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings[disablelegacypreauthasserver]
                          HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[bypasshttpnocachecheck]
                          HKLM\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[bypasshttpnocachecheck]
                          HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[bypasssslnocachecheck]
                          HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings[bypasssslnocachecheck]
 Oueries value:
                          HKLM\software\microsoft\windows\currentversion\internet
settings[enablehttptrace]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[nocheckautodialoverride]
                          HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings[nocheckautodialoverride]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[dontusednsloadbalancing]
                          HKLM\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[dontusednsloadbalancing]
                          HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings[sharecredswithwinhttp]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[mimeexclusionlistforcache]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[headerexclusionlistforcache]
 Oueries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[dnscacheenabled]
 Queries value:
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settings[dnscacheentries]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[dnscachetimeout]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[warnonpost]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[warnalwaysonpost]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[warnonzonecrossing]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[warnonbadcertsending]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[warnonbadcertrecving]
                          HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[warnonpostredirect]
 Queries value:
                          \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\linearing}} \mbox{\tt internet}
settings[alwaysdrainonredirect]
                          \label{lem:hkcu} \verb+KKCU \software \verb+microsoft + windows \verb+current version \verb+\internet+ \\
 Queries value:
settings[warnonhttpstohttpredirect]
                          HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[globaluseroffline]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[enableautodial]
 Queries value:
                          HKLM\software\microsoft\windows\currentversion\internet
settings[urlencoding]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[truncatefilename]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[badproxvexpirestime]
 Queries value:
                          HKLM\software\microsoft\rpc\securityservice[defaultauthlevel]
 Oueries value:
                          HKLM\system\currentcontrolset\services\winsock\parameters[transports]
                          HKLM\software\microsoft\internet
 Oueries value:
explorer\main\featurecontrol\feature_mime_handling[regsvr32.exe]
 Queries value:
                          HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_mime_handling[*]
 Queries value:
                          HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[mapping]
```

```
Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[minsockaddrlength]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[maxsockaddrlength]
 Oueries value:
Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[helperdllname]
 Oueries value:
HKLM\software\microsoft\windows\currentversion\telephony[tapi32maxnumrequestretries]
 Oueries value:
Oueries value:
                        HKLM\software\microsoft\tracing[enableconsoletracing]
 Oueries value:
                        HKLM\software\microsoft\tracing\rasapi32[enablefiletracing]
 Oueries value:
                        HKLM\software\microsoft\tracing\rasapi32[filetracingmask]
 Queries value:
                        HKLM\software\microsoft\tracing\rasapi32[enableconsoletracing]
 Oueries value:
                        HKLM\software\microsoft\tracing\rasapi32[consoletracingmask]
 Queries value:
                        HKLM\software\microsoft\tracing\rasapi32[maxfilesize]
 Queries value:
                        HKLM\software\microsoft\tracing\rasapi32[filedirectory]
                        HKLM\software\microsoft\windows
 Queries value:
nt\currentversion\profilelist[profilesdirectory]
                        HKLM\software\microsoft\windows
 Queries value:
nt\currentversion\profilelist[allusersprofile]
                        HKLM\software\microsoft\windows
 Queries value:
nt\currentversion\profilelist[defaultuserprofile]
                        HKLM\software\microsoft\windows\currentversion[programfilesdir]
 Queries value:
 Queries value:
                        HKLM\software\microsoft\windows\currentversion[commonfilesdir]
 Queries value:
                        HKCU\software\microsoft\windows
nt\currentversion\winlogon[parseautoexec]
                        HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[migrateproxy]
                        HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[proxyenable]
                        HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[proxyserver]
                        HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[proxvoverride]
                        HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[autoconfigurl]
                        HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\connections[savedlegacysettings]
                        HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\connections[defaultconnectionsettings]
                        Queries value:
                        HKCU\software\microsoft\internet explorer\ietld[ietlddllversionlow]
 Oueries value:
                        HKCU\software\microsoft\internet explorer\ietld[ietlddllversionhigh]
 Queries value:
 Queries value:
                        HKLM\software\policies\microsoft\internet
explorer\security[disablesecuritysettingscheck]
                        HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\zones\0[flags]
                        HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\zones\1[flags]
 Queries value:
                        HKCU\software\microsoft\windows\currentversion\internet
settings\zones\2[flags]
                        HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\zones\3[flags]
 Queries value:
                        HKCU\software\microsoft\windows\currentversion\internet
settings\zones\4[flags]
 Oueries value:
                        HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_localmachine_lockdown[regsvr32.exe]
 Queries value:
                        HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_localmachine_lockdown[*]
                        HKLM\software\microsoft\internet
 Queries value:
explorer\main\featurecontrol\feature_localmachine_lockdown[regsvr32.exe]
 Queries value:
                        HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_localmachine_lockdown[*]
 Queries value:
                        HKCU\software\microsoft\windows\currentversion\internet
settings[createuricachesize]
 Queries value:
                        HKLM\software\microsoft\windows\currentversion\internet
settings[createuricachesize]
 Queries value:
                        HKCU\software\microsoft\windows\currentversion\internet
settings[enablepunycode]
                        HKLM\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[enablepunycode]
 Queries value:
                        HKCU\software\microsoft\windows\currentversion\internet
settings\zonemap[autodetect]
 Queries value:
                        HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[1a10]
                        HKLM\software\microsoft\rpc\securityservice[10]
 Oueries value:
 Oueries value:
HKLM\system\currentcontrolset\control\securityproviders[securityproviders]
```

HKLM\system\currentcontrolset\control\lsa\sspicache\msapsspc.dll[name]

Queries value: Queries value:

```
HKLM\system\currentcontrol\set\control\lsa\sspicache\msapsspc.dll[comment]
  Oueries value:
HKLM\system\currentcontrolset\control\lsa\sspicache\msapsspc.dll[capabilities]
                                    HKLM\system\currentcontrolset\control\lsa\sspicache\msapsspc.dll[rpcid]
  Queries value:
  Oueries value:
HKLM\system\currentcontrolset\control\lsa\sspicache\msapsspc.dll[version]
  Oueries value:
                                   HKLM\system\currentcontrolset\control\lsa\sspicache\msapsspc.dll[type]
  Oueries value:
HKLM\system\currentcontrolset\control\lsa\sspicache\msapsspc.dll[tokensize]
                                    HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[name]
  Queries value:
                                   HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[comment]
  Oueries value:
  Queries value:
HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[capabilities]
                                   HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[rpcid]
  Oueries value:
  Queries value:
                                    HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[version]
  Queries value:
                                    HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[type]
  Oueries value:
HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[tokensize]
  Queries value:
                                    HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[name]
  Oueries value:
                                    HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[comment]
  Queries value:
HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[capabilities]
                                    HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[rpcid]
  Oueries value:
  Queries value:
                                    HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[version]
  Queries value:
                                    HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[type]
  Oueries value:
HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[tokensize]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[queryadaptername]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disableadapterdomainname]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[usedomainnamedevolution]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[prioritizerecorddata]
  Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[prioritizerecorddata]
  Queries value:
HKLM \ system \ current control set \ services \ dns cache \ parameters [allow unqualified query]
\label{lem:hklm} \verb+KLM\system\currentcontrolset\services\tcpip\parameters[allowunqualified query]+ of the lemma of the l
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[appendtomultilabelname]
  Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [screen badtlds]
HKLM\svstem\currentcontrolset\services\dnscache\parameters[screenunreachableservers]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[filterclusterip]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[waitfornameerroronall]
  Queries value:
                                    HKLM\system\currentcontrolset\services\dnscache\parameters[useedns]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[queryipmatching]
  Oueries value:
                                   HKLM\system\currentcontrolset\services\dnscache\parameters[usehostsfile]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationenabled]
HKLM \setminus system \setminus current control set \setminus services \setminus tcpip \setminus parameters [disable dynamic update]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerprimaryname]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registeradaptername]
Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerreverselookup]
  Oueries value:
HKLM \setminus system \setminus current control set \setminus services \setminus tcpip \setminus parameters [disable reverse address registrations]
HKLM\system\currentcontrolset\services\dnscache\parameters[registerwanadapters]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disablewandynamicupdate]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationttl]
  Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationttl]
  Oueries value:
Oueries value:
```

Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registrationmaxaddresscount] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[maxnumberofaddressestoregister] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[updatesecuritylevel] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[updatesecuritylevel] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[updatezoneexcludefile] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[dnstest] Oueries value: $HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [max cache size]$ Oueries value: Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachettl] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[maxnegativecachettl] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[adaptertimeoutlimit] Queries 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] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[multicastsendlevel] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquerytimeouts] HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquickquerytimeouts] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[dnsmulticastquerytimeouts] Queries value: HKLM\system\currentcontrolset\services\tcpip\linkage[bind] Oueries value: c7d49d7cecdc}[enabledhcp] Oueries value: c7d49d7cecdc}[leaseobtainedtime] Oueries value: $HKLM \ system \ current control set \ services \ tcpip \ parameters \ interfaces \ \{16325b0b-4636-4303-abe3-4304-4404, and the services \ tcpip \ parameters \ terrange \ terr$ c7d49d7cecdc}[leaseterminatestime] Queries value: c7d49d7cecdc}[dhcpserver] HKLM\system\currentcontrolset\services\tcpip\parameters[hostname] Queries value: Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[domain] Oueries value: c7d49d7cecdc}[queryadaptername] Oueries value: c7d49d7cecdc}[disableadapterdomainname] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3c7d49d7cecdc}[registrationenabled] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3c7d49d7cecdc}[registeradaptername] Queries value: c7d49d7cecdc}[registrationmaxaddresscount] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3c7d49d7cecdc}[maxnumberofaddressestoregister] Queries value: c7d49d7cecdc}[domain] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3c7d49d7cecdc}[dhcpdomain] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3c7d49d7cecdc}[ipautoconfigurationenabled] Oueries value:

c7d49d7cecdc}[addresstype] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3-

c7d49d7cecdc}[nameserver]

Oueries value:

```
c7d49d7cecdc}[dhcpnameserver]
                         HKLM\system\currentcontrolset\services\tcpip\parameters[searchlist]
 Oueries value:
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[dnsnbtlookuporder]
 Oueries value:
                         HKLM\software\microsoft\cryptography\defaults\provider\microsoft strong
cryptographic provider[type]
                         HKLM\software\microsoft\cryptography\defaults\provider\microsoft strong
 Queries value:
cryptographic provider[image path]
 Queries value:
                         HKLM\software\microsoft\cryptography[machineguid]
 Oueries value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_zone_elevation[regsvr32.exe]
 Queries value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_zone_elevation[*]
 Oueries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[1a00]
 Queries value:
                         HKCU\software\microsoft\internet
explorer\ietld\lowmic[ietlddllversionlow]
 Queries value:
                         HKCU\software\microsoft\internet
explorer\ietld\lowmic[ietlddllversionhigh]
 Oueries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[{aeba21fa-782a-4a90-978d-b72164c80120}]
 Queries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings[privacyadvanced]
 Queries value:
                         HKCR\mime\database\content type\text/html[extension]
 Queries value:
                         HKLM\software\f9a08ecceb8739965b6[486563e35e3342dbf34]
                         HKLM \setminus software \setminus 3e6a7c5b16cbf25e [c8a5204f24be324ac5]
 Oueries value:
 Queries value:
                         HKLM\software\microsoft\net framework setup\ndp\v2.0.50727[sp]
 Queries value:
                         HKLM\software\microsoft\ole[maximumallowedallocationsize]
 Oueries value:
                         HKLM\system\currentcontrolset\control\lsa[everyoneincludesanonymous]
 Queries value:
                         HKLM\software\microsoft\com3[com+enabled]
 Queries value:
                         HKLM\software\microsoft\ole[minimumfreemempercentagetocreateprocess]
 Oueries value:
                         HKLM\software\microsoft\ole[minimumfreemempercentagetocreateobject]
 Queries value:
                         HKLM\software\microsoft\com3[regdbversion]
 Queries value:
                         HKCR\clsid\{4590f811-1d3a-11d0-891f-
00aa004b2e24}\inprocserver32[inprocserver32]
 Queries value:
                         HKCR\clsid\{4590f811-1d3a-11d0-891f-00aa004b2e24}\inprocserver32[]
 Queries value:
                         HKCR\clsid\{4590f811-1d3a-11d0-891f-00aa004b2e24}[appid]
                         HKCR\clsid\{4590f811-1d3a-11d0-891f-
 Oueries value:
00aa004b2e24}\inprocserver32[threadingmodel]
 Queries value:
                         HKLM\software\microsoft\wbem\cimom[logging directory]
                         HKLM\software\microsoft\wbem\cimom[logging]
 Oueries value:
 Queries value:
                         HKLM\software\microsoft\wbem\cimom[log file max size]
 Queries value:
                         HKLM\software\microsoft\wbem\cimom[repository directory]
                         HKCR\clsid\{8bc3f05e-d86b-11d0-a075-00c04fb68820}[appid]
 Oueries value:
                         HKCR\appid\{8bc3f05e-d86b-11d0-a075-00c04fb68820}[dllsurrogate]
 Oueries value:
 Queries value:
                         HKCR\appid\{8bc3f05e-d86b-11d0-a075-00c04fb68820}[localservice]
                         HKCR \land f309ad18-d86a-11d0-a075-00c04fb68820 \land proxystubclsid32[]
 Oueries value:
 Queries value:
                         HKCR\clsid\{7c857801-7381-11cf-884d-
00aa004b2e24}\inprocserver32[inprocserver32]
                         HKCR\clsid\{7c857801-7381-11cf-884d-00aa004b2e24}\inprocserver32[]
 Queries value:
 Queries value:
                         HKCR\clsid\{7c857801-7381-11cf-884d-00aa004b2e24}[appid]
 Queries value:
                         HKCR\clsid\{7c857801-7381-11cf-884d-
00aa004b2e24}\inprocserver32[threadingmodel]
                         Queries value:
 Oueries value:
                         HKCR\interface\{9556dc99-828c-11cf-a37e-00aa003240c7}\proxystubclsid32[]
 Queries value:
                         HKCR\clsid\{d68af00a-29cb-43fa-8504-
ce99a996d9ea}\inprocserver32[inprocserver32]
 Queries value:
                         HKCR\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea}\inprocserver32[]
                         HKCR\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea}[appid]
 Queries value:
                         HKCR\clsid\{d68af00a-29cb-43fa-8504-
 Queries value:
ce99a996d9ea}\inprocserver32[threadingmodel]
 Oueries value:
                         HKLM\system\currentcontrolset\services\ldap[ldapclientintegrity]
 Queries value:
                         HKLM\software\microsoft\wbem\cimom[processid]
 Queries value:
                         HKLM\software\microsoft\wbem\cimom[enableprivateobjectheap]
                         HKLM\software\microsoft\wbem\cimom[contextlimit]
 Oueries value:
 Queries value:
                         HKLM\software\microsoft\wbem\cimom[objectlimit]
 Queries value:
                         HKLM\software\microsoft\wbem\cimom[identifierlimit]
                         HKCR\interface\{027947e1-d731-11ce-a357-00000000001}\proxystubclsid32[]
 Oueries value:
 Queries value:
                         HKCR\clsid\{1b1cad8c-2dab-11d2-b604-
00104b703efd}\inprocserver32[inprocserver32]
                         HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\inprocserver32[]
 Queries value:
 Queries value:
                         HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}[appid]
 Queries value:
                         HKCR\clsid\{1b1cad8c-2dab-11d2-b604-
00104b703efd}\inprocserver32[threadingmodel]
 Queries value:
                         HKCR\ interface \ \{1c1c45ee-4395-11d2-b60b-00104b703efd\}\ \ proxystubclsid32[]
                         HKCR\interface\{423ec01e-2e35-11d2-b604-00104b703efd}\proxystubclsid32[]
 Oueries value:
 Sets/Creates value:
                         HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_browser_emulation[regsvr32.exe]
 Sets/Creates value:
                         HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_browser_emulation[iexplore.exe]
 Sets/Creates value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_browser_emulation[regsvr32.exe]
 Sets/Creates value:
                         HKLM\software\microsoft\internet
```

explorer\main\featurecontrol\feature_browser_emulation[iexplore.exe] HKLM\software\58a0f8e6c5[77c866be] Sets/Creates value: Sets/Creates value: HKCU\software\58a0f8e6c5[77c866be] Sets/Creates value: HKLM\software\58a0f8e6c5[ad55bee0] Sets/Creates value: HKCU\software\58a0f8e6c5[ad55bee01 Sets/Creates value: HKLM\software\58a0f8e6c5[33e20707] HKCU\software\58a0f8e6c5[33e20707] Sets/Creates value: Sets/Creates value: HKLM\software\58a0f8e6c5[2ce20a84] Sets/Creates value: HKCU\software\58a0f8e6c5[2ce20a84] Sets/Creates value: HKLM\software\microsoft\windows\currentversion\run[] Sets/Creates value: HKCU\software\microsoft\windows\currentversion\run[] Sets/Creates value: HKLM\software\58a0f8e6c5[0581e945] Sets/Creates value: HKCU\software\58a0f8e6c5[0581e945] HKLM\software\f9a08ecceb8739965b6[486563e35e3342dbf34] Sets/Creates value: Sets/Creates value: HKLM\software\3e6a7c5b16cbf25e[c8a5204f24be324ac5] Value changes: HKLM\software\microsoft\cryptography\rng[seed] Value changes: HKCU\software\microsoft\windows\currentversion\internet settings\zones\3[1206] Value changes: $\label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet$ settings\zones\3[2300] Value changes: HKCU\software\microsoft\windows\currentversion\internet settings\zones\3[1809] HKCU\software\microsoft\windows\currentversion\internet Value changes: settings\zones\1[1206] Value changes: HKCU\software\microsoft\windows\currentversion\internet settings\zones\1[2300] Value changes: HKCU\software\microsoft\windows\currentversion\internet settings\zones\1[1809] HKCU\software\microsoft\windows\currentversion\explorer\shell Value changes: folders[appdata] Value changes: HKCU\software\microsoft\windows\currentversion\explorer\shell folders[local appdata] Value changes: $\label{lem:hklm} \verb+Kklm\+ software\+ windows\+ current version\+ explorer\+ shell$ folders[common appdata] Value changes: HKCU\software\microsoft\windows\currentversion\explorer\shell folders[cache] HKCU\software\microsoft\windows\currentversion\explorer\shell Value changes: folders[cookies] Value changes: HKCU\software\microsoft\windows\currentversion\explorer\shell folders[history] Value changes: HKCU\software\microsoft\windows\currentversion\internet settings[proxyenable] Value changes: HKCU\software\microsoft\windows\currentversion\internet settings\connections[savedlegacysettings] HKCU\software\microsoft\windows\currentversion\internet Value changes: settings\zonemap[proxybypass] Value changes: HKCU\software\microsoft\windows\currentversion\internet settings\zonemap[intranetname] HKCU\software\microsoft\windows\currentversion\internet Value changes: settings\zonemap[uncasintranet] HKCU\software\microsoft\windows\currentversion\internet Value changes: settings\zonemap[autodetect] HKLM\software\58a0f8e6c5[0581e945] Value changes:

HKCU\software\58a0f8e6c5[0581e945]

Value changes: