Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details

Host: mag2, Sample ID: 621, Task ID: 2430

Task ID: 2430 Risk Level: 6

Date Processed: 2016-02-22 05:29:32 (UTC)

Processing Time: 63.14 seconds
Virtual Environment: IntelliVM

Execution Arguments:

"c:\windows\temp\677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5.exe"

Sample ID: 621 Type: basic Owner: admin

Label: 677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5

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

File Type: PE32:win32:gui File Size: 506409 bytes

MD5: 2d9511520df41b9010d25193b67ac416

SHA256: 677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5

Description: None

Pattern Matching Results

- 2 PE: Nonstandard section
- 4 Reads process memory
- 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
- 4 Downloads executable
- 5 Abnormal sleep detected
- 5 PE: Contains compressed section
- 6 Tries to detect VM environment
- 4 Checks whether debugger is present
- 4 Terminates process under Windows subfolder
- 6 Creates executable in application data folder
- 5 Adds autostart object

Static Events

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

Process/Thread Events

Creates process:

 $\begin{tabular}{ll} C: \WINDOWS\Temp\677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5.exe \\ \begin{tabular}{ll} C: \WINDOWS\Temp\677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5.exe \end{tabular} \label{tabular}$

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:1040 C:\WINDOWS\system32\regsvr32.exe Reads from process: PID:1096 C:\WINDOWS\system32\regsvr32.exe

Reads from process: PID:4 System

PID:388 C:\WINDOWS\system32\smss.exe Reads from process: PID:532 C:\WINDOWS\system32\winlogon.exe Reads from process: Reads from process: PID:660 C:\WINDOWS\system32\services.exe PID:672 C:\WINDOWS\system32\lsass.exe Reads from process: PID:860 C:\WINDOWS\system32\svchost.exe Reads from process: Reads from process: PID:1264 C:\WINDOWS\system32\svchost.exe PID:288 C:\WINDOWS\system32\regsvr32.exe Reads from process: PID:1740 C:\WINDOWS\system32\spoolsv.exe Reads from process:

Reads from process: PID:1884 C:\WINDOWS\explorer.exe

Reads from process: PID:1972 C:\Program Files\Java\jre7\bin\jqs.exe
Reads from process: PID:260 C:\Program Files\Adobe\Reader 9.0\Reader\reader_sl.exe

Reads from process: PID:272 C:\WINDOWS\system32\ctfmon.exe
Reads from process: PID:876 C:\WINDOWS\system32\rundll32.exe
Reads from process: PID:112 C:\WINDOWS\system32\regsvr32.exe
Writes to process: PID:1040 C:\WINDOWS\system32\regsvr32.exe
Writes to process: PID:1096 C:\WINDOWS\system32\regsvr32.exe
Writes to process: PID:288 C:\WINDOWS\system32\regsvr32.exe
Writes to process: PID:112 C:\WINDOWS\system32\regsvr32.exe

Terminates process:

C:\WINDOWS\Temp\677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5.exe

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

Named Object Events

Creates mutex: \BaseNamedObjects\CTF.LBES.MutexDefaultS-1-5-21-1757981266-507921405-1957994488-1003

957994488-1003 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\B141649025558B61
Creates mutex: \BaseNamedObjects\ZonesCounterMutex

Creates mutex: \BaseNamedObjects\ZoneAttributeCacheCounterMutex
Creates mutex: \BaseNamedObjects\ZonesCacheCounterMutex
Creates mutex: \BaseNamedObjects\ZonesLockedCacheCounterMutex
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\mebila

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

Data\mebila\mebila.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\677926883ABD5E9E34C0AC6435A92-152C917D.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\677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5.exe
 Opens:
                          C:\WINDOWS\system32\drivers\VBoxMouse.sys
                          C:\Documents and Settings\Admin\Local Settings\Application Data\mebila
 Opens:
 Opens:
                          C:\WINDOWS\svstem32\mswsock.dll
 Opens:
                          C:\WINDOWS\system32\hnetcfg.dll
 Opens:
                          C:
                         C:\WINDOWS\AppPatch
 Opens:
 Opens:
                          C:\WINDOWS\WinSxS
                          C:\WINDOWS\system32\ntdll.dll
 Opens:
 Opens:
                          C:\WINDOWS\system32\wshtcpip.dll
 Opens:
                          C:\WINDOWS\system32\kernel32.dll
 Opens:
                          C:\WINDOWS\system32\unicode.nls
 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
                          C:\WINDOWS\system32\user32.dll
 Opens:
 Opens:
                          C:\WINDOWS\system32\gdi32.dll
 Opens:
                          C:\WINDOWS\system32\oleaut32.dll
 Opens:
                          C:\WINDOWS\system32\version.dll
 Opens:
                          C:\WINDOWS\system32\shlwapi.dll
 Opens:
                          C:\WINDOWS\system32\userenv.dll
 Opens:
                          C:\WINDOWS\system32\ctype.nls
 Opens:
                          C:\WINDOWS\system32\sortkey.nls
 Opens:
                          C:\dump.pcap
 Opens:
                          C:\WINDOWS\system32\wininet.dll
 Opens:
                          C:\WINDOWS\system32\normaliz.dll
 Opens:
                          C:\WINDOWS\system32\urlmon.dll
 Opens:
                          C:\WINDOWS\system32\iertutil.dll
 Opens:
                          C:\Documents and Settings\Admin\Local Settings\Temporary Internet Files
 Opens:
                          C:\Documents and Settings\Admin\Local Settings\Application
Data\mebila\mebila.exe
 Opens:
                          C:\Documents and Settings\Admin\Local Settings\Temporary Internet
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
                          C:\Documents and Settings\Admin\Cookies
 Opens:
 Opens:
                          C:\Documents and Settings\Admin\Cookies\index.dat
                          C:\Documents and Settings\Admin\Local
 Opens:
Settings\History\History.IE5\index.dat
                         C:\WINDOWS\Temp\ca47bf13-6538-404e-918d-f4b233e3caa7
 Opens:
                         C:\WINDOWS\system32\rasapi32.dll
 Opens:
 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\system32\ras
 Opens:
                          C:\AUTOEXEC.BAT
                          C:\Documents and Settings\Admin\Application
 Opens:
Data\Microsoft\Network\Connections\Pbk\
                          C:\WINDOWS\system32\sensapi.dll
 Opens:
 Opens:
                          C:\WINDOWS\system32\rasadhlp.dll
 Opens:
                          C:\Documents and Settings\Admin\Cookies\admin@microsoft[1].txt
 Opens:
                          C:\WINDOWS\system32\dnsapi.dll
 Opens:
                          C:\WINDOWS\system32\iphlpapi.dll
 Opens:
                          C:\WINDOWS\system32\msv1_0.dll
                          C:\WINDOWS\system32\drivers\etc\hosts
 Opens:
 Opens:
                          C:\WINDOWS\system32\rsaenh.dll
 Opens:
                          C:\WINDOWS\system32\crypt32.dll
                          \label{lem:cokies-admin@www.microsoft[2].txt} 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
                          C:\Documents and Settings\Admin\Local Settings\Application
 Writes to:
Data\mebila\mebila.exe
 Writes to:
                          C:\Documents and Settings\Admin\Local Settings\Temporary Internet
Files\Content.IE5\QXMNQBKF\en-my[1].htm
                          C:\Documents and Settings\Admin\Local Settings\Temporary Internet
Files\Content.IE5\QXMNQBKF\WindowsXP-KB968930-x86-ENG[1].exe
 Reads from:
C:\WINDOWS\Temp\677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5.exe
 Reads from:
                         C:\WINDOWS\Prefetch\REGSVR32.EXE-25EEFE2F.pf
 Reads from:
                          C:\AUTOEXEC.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:

C:\WINDOWS\Temp\677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5.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 DNS query: download.microsoft.com DNS response: $microsoft.com \Rightarrow 23.100.122.175$ $microsoft.com \Rightarrow 23.96.52.53$ DNS response: DNS response: microsoft.com ⇒ 191.239.213.197 $microsoft.com \Rightarrow 104.40.211.35$ DNS response: DNS response: $microsoft.com \Rightarrow 104.43.195.251$ DNS response: e10088.dspb.akamaiedge.net ⇒ 23.198.138.227 e3673.dspg.akamaiedge.net ⇒ 104.66.20.77 DNS response: 247.211.41.102:80 Connects to: Connects to: 101.38.37.95:80 92.159.143.61:80 Connects to: Connects to: 57.50.151.152:80 Connects to: 90.114.6.16:80 182.89.29.225:443 Connects to: 65.169.111.99:80 Connects to: Connects to: 23.100.122.175:80 Connects to: 23.198.138.227:80 Connects to: 61.156.213.135:80 Connects to: 214.76.76.243:443 Connects to: 182.101.67.107:8080 43.208.166.173:80 Connects to: Connects to: 178.230.22.224:80 Connects to: 40.16.100.179:80 Connects to: 160.206.43.14:80 Connects to: 155.234.245.33:80 Connects to: 74.10.170.114:80 104.66.20.77:80 Connects to: Connects to: 181.210.164.194:443 Connects to: 191.78.40.12:80 115.246.142.68:80 Connects to: Connects to: 31.215.242.174:80 154.56.158.104:80 Connects to: Connects to: 88.246.32.129:80 Connects to: 138.137.55.243:80 Connects to: 14.151.130.239:80 Connects to: 52.45.138.196:80 Connects to: 165.141.164.175:80 Connects to: 51.170.25.59:8080 Connects to: 135, 254, 187, 172:80 Connects to: 152.186.56.218:80 Connects to: 189.57.229.25:80 87.206.189.90:8080 Connects to: Connects to: 93.27.178.242:80 Connects to: 202.61.250.136:80 35.74.194.69:443 Connects to: Connects to: 196.173.134.217:80 Connects to: 32.189.70.131:80 Connects to: 171.21.192.118:80 Connects to: 150.172.120.185:80 Connects to: 24.194.233.60:443 240.26.20.72:8080 Connects to: Connects to: 190.9.45.253:443 Connects to: 221.70.181.186:80 Connects to: 169.120.27.59:80 Connects to: 138.235.213.180:80 Connects to: 95.131.21.175:80 Connects to: 137.199.249.76:80 Connects to: 29.118.127.216:80 Connects to: 70.192.187.121:80 Connects to: 182.73.174.249:80 Connects to: 220.247.18.24:443 57.139.183.231:80 Connects to: Connects to: 100.82.232.54:80 Connects to: 88.204.47.29:80 77.92.69.76:80 Connects to: Connects to: 242.10.56.171:80 3.105.15.101:80 Connects to: 124.97.46.26:80 Connects to: Connects to: 201.142.72.84:80 Connects to: 194.81.145.254:80 175.169.131.163:80 Connects to: Connects to: 202.110.82.235:80 Connects to: 98.33.104.124:80 185.24.250.118:80 Connects to:

214.65.75.214:8080 Connects to: 211.173.87.85:80 Connects to: Connects to: 149.89.210.20:80 29.233.130.209:80 Connects to: Connects to: 16.103.247.153:80 Connects to: 47.136.163.167:80 107.115.24.17:80 Connects to: 46.241.26.113:80 Connects to: Connects to: 113.159.130.131:80 Connects to: 221.175.47.31:80 Connects to: 85.121.114.246:443 Connects to: 87.88.2.195:443 Connects to: 40.19.169.223:80 139.49.231.147:80 Connects to: Connects to: 126.234.66.12:80 Connects to: 103.22.234.13:443 Connects to: 183.182.194.245:80 Connects to: 88.113.245.123:8080 Connects to: 89.249.214.248:80 Connects to: 29.255.107.175:80 Connects to: 103.33.38.222:80 Connects to: 250.85.82.87:80 Sends data to: 8.8.8.8:53

Sends data to: microsoft.com:80 (23.100.122.175)

 Sends data to:
 e10088.dspb.akamaiedge.net:80 (23.198.138.227)

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

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 (23.198.138.227)
Receives data from: e3673.dspg.akamaiedge.net:80 (104.66.20.77)

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

Creates key: HKCU\software\microsoft\windows nt\currentversion\winlogon Creates key: HKCU\software\microsoft\windows\currentversion\internet

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\ccf70ed3792375d05
Creates key: HKLM\software\13d49fff6b04a8d0

Deletes value: HKLM\software[]

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

settings[proxyserver]

settings[proxyoverride]

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

settings[autoconfigurl]

Deletes value: HKLM\software\ccf70ed3792375d05[49e979d7ad4b98b8]
Deletes value: HKLM\software\13d49fff6b04a8d0[107331f6cd3e15d9ab2]

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

options\677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5.exe

Opens key: HKLM\system\currentcontrol\set\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

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explorer\main\featurecontrol\feature_allow_long_international_filenames
                         HKCU\software\microsoft\internet
 Opens key:
explorer\main\featurecontrol\feature_permit_cache_for_authenticated_ftp_kb910274
 Opens key:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_permit_cache_for_authenticated_ftp_kb910274
                         HKCU\software\microsoft\internet
 Opens key:
explorer\main\featurecontrol\feature_disable_unicode_handle_closing_callback
                         HKLM\software\microsoft\internet
 Opens key:
explorer \verb|\main| featurecontrol| feature\_disable\_unicode\_handle\_closing\_callback| \\
 Opens key:
                         HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_disallow_null_in_response_headers
 Opens key:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_disallow_null_in_response_headers
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                         HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_digest_no_extras_in_uri
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 Opens key:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_enable_passport_session_store_kb948608
 Opens key:
                         HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_passport_check_302_for_success_kb949059
 Opens key:
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explorer\main\featurecontrol\feature_passport_check_302_for_success_kb949059
 Opens key:
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explorer\main\featurecontrol\feature_return_failed_connect_content_kb942615
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explorer\main\featurecontrol\feature_include_port_in_spn_kb908209
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explorer\main\featurecontrol\feature_allow_reverse_solidus_in_userinfo_kb932562
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c7d49d7cecdc}
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explorer\main\featurecontrol\feature_bypass_cache_for_credpolicy_kb936611
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Opens key: HKCU\software\classes\mime\database\content type\application/octetstream Opens kev: HKCR\mime\database\content type\application/octet-stream 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 Oueries value: nt\currentversion\gre_initialize[disablemetafiles] Oueries value: HKLM\software\microsoft\windows $nt \verb|\currentversion| compatibility 32[677926883 abd 5e9e 34c0 ac 6435a9272a 3be 5efc 9ab 7e97c5e 01b 12b 6e5d 75fb 5] and the first of the first$ Queries value: HKLM\software\microsoft\windows nt\currentversion\ime compatibility[677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5] HKLM\software\microsoft\windows nt\currentversion\windows[appinit_dlls] Oueries value: Oueries value: HKLM\software\microsoft\windows nt\currentversion\winlogon[leaktrack] Oueries value: HKCU\control panel\desktop[multiuilanguageid] HKCU\control panel\desktop[smoothscroll] Oueries value: Queries value: HKLM\system\setup[systemsetupinprogress] Oueries 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] Queries value: HKLM\software\microsoft\ctf[enableanchorcontext] HKLM\software\microsoft\windows nt\currentversion\imm[ime file] Oueries value: Queries value: HKLM\system\currentcontrolset\control\session manager[criticalsectiontimeout] HKLM\software\microsoft\ole[rwlockresourcetimeout] Oueries value: Queries value: HKCR\interface[interfacehelperdisableall] Queries value: HKCR\interface[interfacehelperdisableallforole32] Oueries value: HKCR\interface[interfacehelperdisabletypelib] HKCR\interface\{00020400-0000-0000-c000-Queries value: 00000000046}[interfacehelperdisableall] HKCR\interface\{00020400-0000-0000-c000-Oueries value: 00000000046}[interfacehelperdisableallforole32] Queries value: HKCU\software\microsoft\ctf[disable thread input manager] HKLM\software\microsoft\windows Oueries value: nt\currentversion\winlogon[userenvdebuglevel] HKLM\software\microsoft\windows Queries value: nt\currentversion\winlogon[chkaccdebuglevel] HKLM\system\currentcontrolset\control\productoptions[producttype] Queries value: HKCU\software\microsoft\windows\currentversion\explorer\user shell Oueries value: folders[personal] HKCU\software\microsoft\windows\currentversion\explorer\user shell Oueries value: folders[local settings] Oueries value: HKLM\software\microsoft\windows nt\currentversion\winlogon[rsopdebuglevel] HKLM\software\microsoft\windows nt\currentversion\winlogon[rsoplogging] Oueries value: Oueries value: HKLM\software\microsoft\windows nt\currentversion\profilelist\s-1-5-21-1757981266-507921405-1957994488-1003[profileimagepath] HKLM\system\currentcontrolset\control\session Oueries value: manager[safeprocesssearchmode] HKLM\system\currentcontrolset\control\nls\language groups[5] Queries value: Oueries value: HKLM\system\currentcontrolset\control\nls\language groups[1] Queries value: HKLM\system\currentcontrolset\control\nls\language groups[2] HKLM\system\currentcontrolset\control\nls\language groups[4] Oueries value: HKLM\system\currentcontrolset\control\nls\language groups[6] Oueries value: Oueries value: HKLM\system\currentcontrolset\control\nls\language groups[3] HKLM\software\microsoft\windows\currentversion\internet Queries value: settings[disableimprovedzonecheck] Oueries value: HKLM\software\microsoft\internet

 $explorer\\ \text{main} \\ \text{featurecontrol}\\ \text{feature_protocol_lockdown} \\ [677926883abd5e9e34c0ac6435a9272a3be5efc9ab7e97c5e01b12b6e5d75fb5.exe]$

HKLM\software\microsoft\internet Oueries value: explorer\main\featurecontrol\feature_protocol_lockdown[*]

HKLM\system\currentcontrolset\control\wmi\security[df8480a1-7492-4f45-Oueries value: ab78-1084642581fb]

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 Oueries value:
 Oueries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[midi6]
 Queries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[midi7]
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HKLM\software\microsoft\windows nt\currentversion\drivers32[midi4]

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Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[enabled]

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HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000001[storesserviceclassinfo]

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Queries value: HKLM\software\microsoft\windows\currentversion\internet settings\5.0\user agent[] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\user agent[compatible] HKLM\software\microsoft\windows\currentversion\internet Oueries value: settings\5.0\user agent[compatible] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\user agent[version] Queries value: HKLM\software\microsoft\windows\currentversion\internet settings\5.0\user agent[version] HKCU\software\microsoft\windows\currentversion\internet settings[user Oueries value: agent] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\user agent[platform] Queries value: HKLM\software\microsoft\windows\currentversion\internet settings\5.0\user agent[platform] HKCU\software\microsoft\internet Oueries value: explorer\main\featurecontrol\feature_browser_emulation[regsvr32.exe] Queries value: HKLM\software\microsoft\rpc[maxrpcsize] HKLM\software\microsoft\rpc\securityservice[defaultauthlevel] Oueries value: Queries value: HKLM\system\currentcontrolset\services\winsock\parameters[transports] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[mapping] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[minsockaddrlength] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[maxsockaddrlength] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[usedelayedacceptance] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[helperdllname] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings[fromcachetimeout] $\label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet$ Queries value: settings[secureprotocols] HKLM\software\policies\microsoft\internet Queries value: explorer\main[security_hklm_only] Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings[certificaterevocation] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings[disablekeepalive] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings[disablepassport] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings[idnenabled] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings[cachemode] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings[enablehttp1_1] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings[proxyhttp1.1] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings[enablenegotiate] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings[disablebasicoverclearchannel] HKCU\software\microsoft\internet Oueries value: explorer\main\featurecontrol[feature_clientauthcertfilter] Queries value: HKLM\software\microsoft\internet explorer\main\featurecontrol[feature_clientauthcertfilter] Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings[clientauthbuiltinui] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings[syncmode5] $\label{lem:hklm} \verb+Kklm\+ software\+ microsoft\+ windows\+ current version\+ internet$ Queries value: settings\5.0\cache[sessionstarttimedefaultdeltasecs] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache[signature] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings\5.0\cache\content[peruseritem] Queries value: HKLM\software\microsoft\windows\currentversion\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: $\label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \cite{thm:lem:hkcu} in terms to the lemma substitution \cite{thm:lem:hkcu} and \cite{thm:lem:hkcu} are \cite{thm:lem:hkcu}.$ settings\5.0\cache\content[cachelimit] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\cookies[peruseritem] $\label{lem:hklm} \verb+ HKLM \software \microsoft \windows \current version \cite{thmosoft} internet$ Oueries value:

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settings\5.0\cache\history[peruseritem]
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 Queries value:
settings[receivetimeout]
 Queries value:
                             HKLM\software\microsoft\windows\currentversion\internet
settings[receivetimeout]
                            \label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet
 Oueries value:
settings[disablentlmpreauth]
 Oueries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[scavengecachelowerbound]
 Queries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[certcachenovalidate]
                            HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\5.0\cache[scavengecachefilelifetime]
 Oueries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache[scavengecachefilelimit]
 Queries value:
                            HKLM\software\microsoft\windows\currentversion\internet
settings\5.0\cache[scavengecachefilelimit]
                            HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[httpdefaultexpirytimesecs]
 Queries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[ftpdefaultexpirytimesecs]
 Queries value:
                             HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_disable_unicode_handle_closing_callback[regsvr32.exe]
                            HKLM\software\microsoft\internet
 Queries value:
explorer\main\featurecontrol\feature_disable_unicode_handle_closing_callback[*]
                             \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \current \end{tensor}
 Queries value:
settings[disablecachingofsslpages]
 Queries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[perusercookies]
                             HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[leashlegacycookies]
 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[disablent4rascheck]
 Queries value:
                             \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\linearing}} \mbox{\tt internet}
settings[dialupuselansettings]
                            HKLM\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[dialupuselansettings]
 Queries value:
                             \label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\
settings[sendextracrlf]
 Queries value:
                             \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\linearing}} \mbox{\tt internet}
settings[bypassftptimecheck]
                             HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[releasesocketduringauth]
 Queries value:
                             \label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\
settings[releasesocketduring401auth]
 Queries value:
                             \label{lem:hklm} \verb+Kklm \+ software + microsoft + windows + current version + internet
```

```
settings[releasesocketduring401auth]
                            HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings[wpadsearchalldomains]
  Queries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[disablelegacypreauthasserver]
  Queries value:
                            \label{lem:hklm} \verb+ HKLM \software \microsoft \windows \current version \cite{thmosoft} internet
settings[disablelegacypreauthasserver]
                            \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}.
  Oueries value:
settings[bypasshttpnocachecheck]
  Queries value:
                            HKLM\software\microsoft\windows\currentversion\internet
settings[bypasshttpnocachecheck]
  Queries value:
                            \label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\
settings[bypasssslnocachecheck]
                            \label{lem:hklm} \verb+ HKLM \software \microsoft \windows \current version \cite{thmosoft} internet
  Oueries value:
settings[bypasssslnocachecheck]
                            HKLM\software\microsoft\windows\currentversion\internet
  Queries value:
settings[enablehttptrace]
                            HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[nocheckautodialoverride]
                            HKLM\software\microsoft\windows\currentversion\internet
  Queries value:
settings[nocheckautodialoverride]
                            HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[dontusednsloadbalancing]
                            HKLM\software\microsoft\windows\currentversion\internet
  Queries value:
settings[dontusednsloadbalancing]
                            \label{lem:hklm} \verb+ HKLM \software \microsoft \windows \current version \cite{thmosoft} internet
  Queries value:
settings[sharecredswithwinhttp]
  Queries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[mimeexclusionlistforcache]
                            HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[headerexclusionlistforcache]
                            HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[dnscacheenabled]
  Queries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[dnscacheentries]
                            HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[dnscachetimeout]
                            HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[warnonpost]
                            HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[warnalwaysonpost]
                            HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[warnonzonecrossing]
  Queries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[warnonbadcertsending]
                            HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[warnonbadcertrecving]
  Queries value:
                            \label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\
settings[warnonpostredirect]
  Queries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[alwaysdrainonredirect]
                            HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings[warnonhttpstohttpredirect]
  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[globaluseroffline]
  Queries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[enableautodial]
                            HKLM\software\microsoft\windows\currentversion\internet
  Oueries value:
settings[urlencoding]
                            HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[truncatefilename]
  Queries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[badproxyexpirestime]
                            HKLM\software\microsoft\internet
  Oueries value:
explorer\main\featurecontrol\feature mime handling[regsvr32.exe]
                            HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature mime handling[*]
  Oueries value:
Oueries value:
HKLM\software\microsoft\windows\currentversion\telephony[tapi32requestretrytimeout]
                            HKLM\software\microsoft\tracing[enableconsoletracing]
  Oueries value:
  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]
                            HKLM\software\microsoft\tracing\rasapi32[filedirectory]
  Oueries value:
                            HKLM\software\microsoft\windows
  Oueries value:
nt\currentversion\profilelist[profilesdirectory]
  Queries value:
                            HKLM\software\microsoft\windows
nt\currentversion\profilelist[allusersprofile]
  Queries value:
                            HKLM\software\microsoft\windows
```

nt\currentversion\profilelist[defaultuserprofile] HKLM\software\microsoft\windows\currentversion[programfilesdir] Oueries value: Oueries value: HKLM\software\microsoft\windows\currentversion[commonfilesdir] Queries value: HKCU\software\microsoft\windows nt\currentversion\winlogon[parseautoexec] 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[migrateproxy] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings[proxyenable] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings[proxyserver] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings[proxyoverride] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings[autoconfigurl] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings\connections[savedlegacvsettings] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\connections[defaultconnectionsettings] HKLM\system\currentcontrolset\services\winsock2\parameters[autodialdll] Queries value: Queries value: HKCU\software\microsoft\internet explorer\ietld[ietlddllversionlow] Queries value: HKCU\software\microsoft\internet explorer\ietld[ietlddllversionhigh] Oueries value: HKLM\software\policies\microsoft\internet explorer\security[disablesecuritysettingscheck] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings\zones\0[flags] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings\zones\1[flags] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\zones\2[flags] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\zones\3[flags] $\label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet$ Queries value: settings\zones\4[flags] HKCU\software\microsoft\internet Queries value: explorer\main\featurecontrol\feature_localmachine_lockdown[regsvr32.exe] HKCU\software\microsoft\internet Oueries value: explorer\main\featurecontrol\feature_localmachine_lockdown[*] HKLM\software\microsoft\internet Queries value: explorer\main\featurecontrol\feature_localmachine_lockdown[regsvr32.exe] Oueries value: HKLM\software\microsoft\internet explorer\main\featurecontrol\feature_localmachine_lockdown[*] Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings[createuricachesize] HKLM\software\microsoft\windows\currentversion\internet Oueries value: settings[createuricachesize] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings[enablepunycode] HKLM\software\microsoft\windows\currentversion\internet Oueries value: settings[enablepunycode] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\zonemap[autodetect] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\zones\3[1a10] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[queryadaptername] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[disableadapterdomainname] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[usedomainnamedevolution] Queries value: Queries value: HKLM\svstem\currentcontrolset\services\dnscache\parameters[prioritizerecorddata] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[prioritizerecorddata] Queries value: Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[allowunqualifiedquery] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[appendtomultilabelname] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[screenbadtlds] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[screenunreachableservers] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[filterclusterip] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[waitfornameerroronall] 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]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disabledynamicupdate]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerprimaryname]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registeradaptername]
 Oueries value:
Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerreverselookup]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disablereverseaddressregistrations]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerwanadapters]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disablewandynamicupdate]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationttl]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationttl]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationrefreshinterval]
 Queries value:
Queries value:
Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[maxnumberofaddressestoregister]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[updatesecuritylevel]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[updatesecuritylevel]
HKLM\system\currentcontrolset\services\dnscache\parameters[updatezoneexcludefile]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[dnstest]
 Queries value:
 Queries value:
                      HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachesize]
 Queries value:
                      HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachettl]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[maxnegativecachettl]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[adaptertimeoutlimit]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[serverprioritytimelimit]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachedsockets]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[multicastlistenlevel]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[multicastsendlevel]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquerytimeouts]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquickquerytimeouts]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[dnsmulticastquerytimeouts]
                      HKLM\system\currentcontrolset\services\tcpip\linkage[bind]
 Queries value:
 Oueries value:
c7d49d7cecdc}[enabledhcp]
 Oueries value:
c7d49d7cecdc}[leaseobtainedtime]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3-
c7d49d7cecdc}[leaseterminatestime]
 Queries value:
                      HKLM\software\microsoft\rpc\securityservice[10]
 Oueries value:
HKLM\system\currentcontrolset\control\securityproviders[securityproviders]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3-
c7d49d7cecdc}[dhcpserver]
 Queries value:
                      HKLM\system\currentcontrolset\services\tcpip\parameters[hostname]
 Oueries value:
                      HKLM\system\currentcontrolset\control\lsa\sspicache\msapsspc.dll[name]
 Oueries value:
HKLM\system\currentcontrolset\control\lsa\sspicache\msapsspc.dll[comment]
 Queries value:
HKLM\system\currentcontrolset\control\lsa\sspicache\msapsspc.dll[capabilities]
 Queries value:
                      HKLM\system\currentcontrolset\control\lsa\sspicache\msapsspc.dll[rpcid]
```

Oueries value:

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

Oueries value:

Queries value:

HKLM\svstem\currentcontrolset\control\lsa\sspicache\msapsspc.dllftokensizel

HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[name] Queries value: HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[comment] Oueries value:

Oueries value:

HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[capabilities]

HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[rpcid] Queries value: HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[version] Oueries value: Queries value: HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[type]

Queries value:

HKLM\system\currentcontrolset\control\lsa\sspicache\digest.dll[tokensize]

 $\label{lem:hklm} \verb+Kklm \+ system \+ control \+ lsa \+ spicache \+ msnsspc.dll[name]$ Queries value: HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[comment] Queries value: Oueries value:

HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[capabilities]

Queries value: HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[rpcid] Oueries value: HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[version] Queries value: HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[type]

Queries value:

HKLM\system\currentcontrolset\control\lsa\sspicache\msnsspc.dll[tokensize]

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

Queries value:

c7d49d7cecdc}[queryadaptername]

Queries value:

 $HKLM \ system \ current control set \ services \ tcpip \ parameters \ interfaces \ \{16325b0b-4636-4303-abe3-4300-abe3-4300-a$ c7d49d7cecdc}[disableadapterdomainname]

Queries value:

c7d49d7cecdc}[registrationenabled]

Queries value:

c7d49d7cecdc}[registeradaptername]

Oueries value:

HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3c7d49d7cecdc}[registrationmaxaddresscount]

Queries value:

c7d49d7cecdc}[maxnumberofaddressestoregister]

Oueries value:

HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3c7d49d7cecdc}[domain]

Queries value:

c7d49d7cecdc}[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-abe3c7d49d7cecdc}[nameserver]

Oueries value:

c7d49d7cecdc}[dhcpnameserver]

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

Oueries value:

Oueries value:

HKLM\system\currentcontrolset\services\tcpip\parameters[dnsnbtlookuporder]

HKLM\software\microsoft\cryptography\defaults\provider\microsoft strong Oueries value: cryptographic provider[type]

HKLM\software\microsoft\cryptography\defaults\provider\microsoft strong Oueries value:

cryptographic provider[image path]

HKLM\software\microsoft\cryptography[machineguid] Queries 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]

HKCU\software\microsoft\internet Queries value:

explorer\ietld\lowmic[ietlddllversionlow]

Queries value: HKCU\software\microsoft\internet

explorer\ietld\lowmic[ietlddllversionhigh]

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

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\ccf70ed3792375d05[49e979d7ad4b98b8]

 Queries value:
 HKLM\software\13d49fff6b04a8d0[107331f6cd3e15d9ab2]

Queries value: HKLM\software\microsoft\net framework setup\ndp\v2.0.50727[sp]

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]

Sets/Creates value: HKLM\software\58a0f8e6c5[77c866be] Sets/Creates value: HKCU\software\58a0f8e6c5[77c866be] HKLM\software\58a0f8e6c5[ad55bee01 Sets/Creates value: Sets/Creates value: HKCU\software\58a0f8e6c5[ad55bee0] Sets/Creates value: HKLM\software\58a0f8e6c5[33e20707] HKCU\software\58a0f8e6c5[33e20707] Sets/Creates value: Sets/Creates value: HKLM\software\58a0f8e6c5[0581e945] Sets/Creates value: HKCU\software\58a0f8e6c5[0581e945] 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\ccf70ed3792375d05[49e979d7ad4b98b8]
Sets/Creates value: HKLM\software\13d49fff6b04a8d0[107331f6cd3e15d9ab2]
Value changes: HKLM\software\microsoft\cryptography\rng[seed]

Value changes: HKCU\software\microsoft\windows\currentversion\internet

settings\zones\3[1206]

Value changes: HKCU\software\microsoft\windows\currentversion\internet

settings\zones\3[2300]

Value changes: HKCU\software\microsoft\windows\currentversion\internet

settings\zones\3[1809]

Value changes: HKCU\software\microsoft\windows\currentversion\internet

settings\zones\1[1206]

Value changes: HKCU\software\microsoft\windows\currentversion\internet

settings\zones\1[2300]

HKCU\software\microsoft\windows\currentversion\internet

Value changes:

TINCO / SOT CWATE / IIITCI OSOT C / WITHOWS / CALL ETIC VET STOTI / ITILET HEC

settings\zones\1[1809] Value changes:

 $\label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ explorer\+ shell$

folders[appdata]
 Value changes:

HKCU\software\microsoft\windows\currentversion\explorer\shell

folders[local appdata]

Value changes: HKLM\software\microsoft\windows\currentversion\explorer\shell

folders[common appdata]

 $\label{thm:condition} Value\ changes: \\ HKCU \setminus software \setminus microsoft \setminus windows \setminus current \ version \setminus explorer \setminus shell \\$

folders[cache]

Value changes: HKCU\software\microsoft\windows\currentversion\explorer\shell

folders[cookies]

Value changes: HKCU\software\microsoft\windows\currentversion\explorer\shell

folders[history]

 $\label{thm:condition} Value\ changes: \\ HKCU \ software \ microsoft \ windows \ current version \ internet$

settings[proxyenable]

Value changes: HKCU\software\microsoft\windows\currentversion\internet

settings\connections[savedlegacysettings]

Value changes: HKCU\software\microsoft\windows\currentversion\internet

settings\zonemap[proxybypass]

Value changes: HKCU\software\microsoft\windows\currentversion\internet

settings\zonemap[intranetname]

Value changes: HKCU\software\microsoft\windows\currentversion\internet

settings\zonemap[uncasintranet]

Value changes: HKCU\software\microsoft\windows\currentversion\internet

settings\zonemap[autodetect]

Value changes: HKLM\software\58a0f8e6c5[0581e945]
Value changes: HKCU\software\58a0f8e6c5[0581e945]