Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details

Host: mag2, Sample ID: 11, Task ID: 43

Task ID: 43 Risk Level: 4

Date Processed: 2016-04-28 12:47:01 (UTC)

Processing Time: 61.93 seconds
Virtual Environment: IntelliVM

Execution Arguments: "c:\windows\temp\83497c45d30bcb551f5f55f3f63b6fa1.exe"

Sample ID: 11
Type: basic
Owner: admin

Label: 83497c45d30bcb551f5f55f3f63b6fa1
Date Added: 2016-04-28 12:44:50 (UTC)

File Type: PE32:win32:gui File Size: 892928 bytes

MD5: 83497c45d30bcb551f5f55f3f63b6fa1

SHA256: 40932ac88b750f1f3077f2e50d9184de1c3b4914e92ceb64cfc4638c3d91ee14

Description: None

Pattern Matching Results

3 Long sleep detected

3 Connects to local host

3 HTTP connection - response code 200 (success) [HTTP, POST, GET, web, network, response code]

4 Checks whether debugger is present

Process/Thread Events

Creates process: C:\windows\temp\83497c45d30bcb551f5f55f3f63b6fa1.exe

 $["C:\windows\temp\83497c45d30bcb551f5f55f3f63b6fa1.exe"]$

Named Object Events

Creates mutex: \Sessions\1\BaseNamedObjects\DBWinMutex

Creates mutex: \Sessions\1\BaseNamedObjects\!PrivacIE!SharedMemory!Mutex

Creates mutex: \Sessions\1\BaseNamedObjects\ZonesCounterMutex

Creates mutex: \Sessions\1\BaseNamedObjects\ZoneAttributeCacheCounterMutex
Creates mutex: \Sessions\1\BaseNamedObjects\ZonesCacheCounterMutex

Creates mutex: \Sessions\1\BaseNamedObjects\ZonesLockedCacheCounterMutex

Creates mutex: \Sessions\1\BaseNamedObjects_!MSFTHISTORY!_

Creates mutex:

\Sessions\1\BaseNamedObjects\c:!users!admin!appdata!local!microsoft!windows!temporary internet

Creates mutex:

Creates mutex:

\Sessions\1\BaseNamedObjects\c:!users!admin!appdata!local!microsoft!windows!history!history.ie5!

Creates mutex: \Sessions\1\BaseNamedObjects\WininetStartupMutex
Creates mutex: \Sessions\1\BaseNamedObjects\WininetConnectionMutex
Creates mutex: \Sessions\1\BaseNamedObjects\WininetProxyRegistryMutex
Creates mutex: \Sessions\1\BaseNamedObjects\CicLoadWinStaWinStaO

Creates mutex: \Sessions\1\BaseNamedObjects\MSCTF.CtfMonitorInstMutexDefault1

Creates mutex: \Sessions\1\BaseNamedObjects\!IETld!Mutex
Creates mutex: \Sessions\1\BaseNamedObjects\RasPbFile
Creates mutex: \Sessions\1\BaseNamedObjects\IESQMMUTEX_0_208
Creates mutex: \Sessions\1\BaseNamedObjects\MSIMGSIZECacheMutex

Creates mutex:

 $\verb|\Sessions|| 1 \\ BaseNamedObjects|| c: !users! admin! appdata! roaming! microsoft! windows! ietldcache! \\ | c: !users! admin! appdata! roaming! microsoft! windows! ietldcache! \\ | c: !users! admin! appdata! \\ | c: !users! admin! admin! appdata! \\ | c: !users! admin! admin! appdata! \\ | c: !users! admin! admin$

Creates event: \KernelObjects\MaximumCommitCondition
Creates event: \Security\LSA_AUTHENTICATION_INITIALIZED

Creates event: \Sessions\1\BaseNamedObjects\MSCTF.CtfActivated.Default1

Creates event: \BaseNamedObjects\SvcctrlStartEvent_A3752DX

Creates event: \BaseNamedObjects\BFE_Notify_Event_{799dc87b-572e-4c35-9389-

76268ebfd260}

File System Events

Creates: C:\Users\Admin

Creates: C:\Users\Admin\AppData\Local

 $\label{lem:condition} C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary\ Internet\ Files$

Creates: C:\Users\Admin\AppData\Roaming

 $\label{lem:condition} Creates: $$C:\Users\landAdmin\landAppData\Roaming\Microsoft\Windows\Cookies$$ Creates: $$C:\Users\landAdmin\landAppData\Local\Microsoft\Windows\History$$$

Creates: C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet

 $Files \verb|\| Content.IE5 \verb|\| BX3UL1G0 \verb|\| 104[1]$

 $\label{local-Microsoft-Windows-Temporary Internet} C: \mbox{$\tt C:\users-Admin-AppData-Local-Microsoft-Windows-Temporary Internet}$$

 ${\tt Files \content.IE5 \conten$

 $\label{lem:creates:creates:content.IE5\kQ5TVCON\JMX.Frame.Common[1].js} C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\kQ5TVCON\JMX.Frame.Common[1].js$

Creates: C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet

```
Files\Content.IE5\KQ5TVCON\JMX_AjaxControl[1].js
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
  Creates:
Files\Content.IE5\X3IPB3Z1\JMX_FormValidator[1].js
  Creates
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\X3IPB3Z1\jquery-1.4.2.min[1].js
  Creates:
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\BX3UL1G0\client_ending[1].htm
                                      \verb|C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet| \\
  Creates:
Files\Content.IE5\BX3UL1G0\SRO-ending[1].jpg
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\BX3UL1G0\btn_facebook[1].jpg
                                      C:\Windows\Prefetch\83497C45D30BCB551F5F55F3F63B6-CCFC2B0F.pf
  Opens:
  Opens:
                                      C:\Windows\System32
                                      C:\windows\temp\83497c45d30bcb551f5f55f3f63b6fa1.exe.Local\
  Opens:
  Opens:
                                      C:\Windows\winsxs\x86_microsoft.windows.common-
controls_6595b64144ccf1df_5.82.7601.17514_none_ec83dffa859149af
                                      C:\Windows\winsxs\x86_microsoft.windows.common-
controls_6595b64144ccf1df_5.82.7601.17514_none_ec83dffa859149af\comctl32.dll
  Opens:
                                      C:\Windows\System32\sechost.dll
  Opens:
                                      C:\windows\temp\WINSPOOL.DRV
  Opens:
                                      C:\Windows\System32\winspool.drv
  Opens:
                                      C:\windows\temp\oledlg.dll
                                      C:\Windows\System32\oledlg.dll
  Opens:
  Opens:
                                      C:\Windows\System32\imm32.dll
  Opens:
                                      C:\Windows\System32\uxtheme.dll
  Opens:
                                      C:\windows\temp\83497c45d30bcb551f5f55f3f63b6fa1.exe.2.Manifest
  Opens:
                                      C:\windows\temp\83497c45d30bcb551f5f55f3f63b6fa1.exe.3.Manifest
  Opens:
                                      C:\windows\temp\83497c45d30bcb551f5f55f3f63b6fa1.exe.Config
  Opens:
                                      C:\Windows\Temp\83497c45d30bcb551f5f55f3f63b6fa1.exe
  Opens:
                                      C:\windows\temp\83497c45d30bcb551f5f55f3f63b6fa1.exe.1000.Manifest
  Opens:
                                      C:\windows\temp\83497c45d30bcb551f5f55f3f63b6fa1ENU.dll
  Opens:
                                      C:\windows\temp\83497c45d30bcb551f5f55f3f63b6fa1L0C.dll
  Opens:
                                      C:\Windows\Fonts\tahoma.ttf
  Opens:
                                      C:\windows\temp\dwmapi.dll
                                      C:\Windows\System32\dwmapi.dll
  Opens:
  Opens:
                                      C:\Windows\winhlp32.exe
  Opens:
                                      C:\Windows\System32\rpcss.dll
                                      C:\windows\temp\CRYPTBASE.dll
  Opens:
  Opens:
                                      C:\Windows\System32\cryptbase.dll
  Opens:
                                      C:\Windows\System32\ieframe.dll
  Opens:
                                      C:\Windows\System32\oleacc.dll
  Opens:
                                      C:\windows\temp\OLEACCRC.DLL
                                      C:\Windows\System32\oleaccrc.dll
  Opens:
                                      C:\Windows\winsxs\x86_microsoft.windows.common-
  Opens:
controls_6595b64144ccf1df_6.0.7601.17514_none_41e6975e2bd6f2b2
                                      C:\Windows\winsxs\x86_microsoft.windows.common-
  Opens:
controls_6595b64144ccf1df_6.0.7601.17514_none_41e6975e2bd6f2b2\comctl32.dll
  Opens:
                                      C:\Windows\WindowsShell.Manifest
                                      C:\Windows\Globalization\Sorting\SortDefault.nls
  Opens:
  Opens:
                                      C:\Windows\System32\shell32.dll
  Opens:
                                      C:\windows\temp\apphelp.dll
                                      C:\Windows\System32\apphelp.dll
  Opens:
  Opens:
                                      C:\Windows\System32\en-US\ieframe.dll.mui
  Opens:
                                      C:\Windows\System32\mshtml.dll
  Opens:
                                      C:\Windows\System32\msls31.dll
  Opens:
                                      C:\Windows\System32\version.dll
  Opens:
                                      C:\windows\temp\ntmarta.dll
  Opens:
                                      C:\Windows\System32\ntmarta.dll
  Opens:
                                      C:\windows\temp\SspiCli.dll
  Opens:
                                      C:\Windows\System32\sspicli.dll
  Opens:
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet Files
  Opens:
                                      C:\Users\Admin\AppData\Roaming\Microsoft\Windows\Cookies
  Opens:
                                      C:\
  Opens:
                                      C:\Windows
                                      C: \verb+\windows+temp+83497c45d30bcb551f5f55f3f63b6fa1.exe: Zone. Identifier a constant of the 
  Opens:
  Opens:
                                      C:\windows\temp\profapi.dll
                                      C:\Windows\System32\profapi.dll
  Opens:
  Opens:
                                      C:\Users\Admin
  Opens:
                                      C:\Users\Admin\AppData\Local
  Opens:
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\desktop.ini
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
  Opens:
Files\Content.IE5
  Opens:
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\desktop.ini
  Opens:
                                      C:\Users\Admin\AppData\Roaming
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\History
  Opens:
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\History\desktop.ini
  Opens:
  Opens:
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\History\History.IE5
  Opens:
C:\Users\Admin\AppData\Local\Microsoft\Windows\History\History.IE5\desktop.ini
                                      C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
  Opens:
Files\Content.IE5\index.dat
```

```
C:\Users\Admin\AppData\Roaming\Microsoft\Windows\Cookies\index.dat
 Opens:
 Opens:
\verb|C:\Users\Admin\AppData\Local\Microsoft\Windows\History\History.IE5\Index.dat| \\
 Opens:
                         C:\Windows\System32\wininet.dll
                         C:\windows\temp\dnsapi.DLL
 Opens:
 Opens:
                         C:\Windows\System32\dnsapi.dll
 Opens:
                         C:\windows\temp\iphlpapi.DLL
                         C:\Windows\System32\IPHLPAPI.DLL
 Opens:
 Opens:
                         C:\windows\temp\WINNSI.DLL
 Opens:
                         C:\Windows\System32\winnsi.dll
                         \verb|C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet| \\
 Opens:
Files\Content.IE5\BX3UL1G0\104[1]
 Opens:
                         C:\Windows\System32\en-US\urlmon.dll.mui
 Opens:
                         C:\windows\temp\RASAPI32.dll
 Opens:
                         C:\Windows\System32\rasapi32.dll
 Opens:
                         C:\windows\temp\rasman.dll
 Opens:
                         C:\Windows\Svstem32\rasman.dll
 Opens:
                         C:\windows\temp\rtutils.dll
 Opens:
                         C:\Windows\System32\rtutils.dll
 Opens:
                         C:\ProgramData\Microsoft\Network\Connections\Pbk\
 Opens:
                         C:\Windows\System32\ras
 Opens:
                         C:\Users\Admin\AppData\Roaming\Microsoft\Network\Connections\Pbk
 Opens:
                         C:\windows\temp\sensapi.dll
 Opens:
                         C:\Windows\System32\SensApi.dll
 Opens:
                         C:\Windows\System32\nlaapi.dll
 Opens:
                         C:\windows\temp\rasadhlp.dll
 Opens:
                         C:\Windows\System32\rasadhlp.dll
 Opens:
                         C:\Windows\System32\NapiNSP.dll
 Opens:
                         C:\Windows\System32\pnrpnsp.dll
 Opens:
                         C:\Windows\System32\mswsock.dll
 Opens:
                         C:\Windows\System32\winrnr.dll
 Opens:
                         C:\Windows\System32\WSHTCPIP.DLL
 Opens:
                         C:\Windows\System32\wship6.dll
 Opens:
                         C:\windows\temp\dhcpcsvc6.DLL
 Opens:
                         C:\Windows\System32\dhcpcsvc6.dll
                         C:\windows\temp\dhcpcsvc.DLL
 Opens:
 Opens:
                         C:\Windows\System32\dhcpcsvc.dll
 Opens:
                         C:\Windows\System32\drivers\etc\hosts
 Opens:
                         C:\Windows\System32\FWPUCLNT.DLL
 Opens:
                         C:\Windows\System32\netprofm.dll
 Opens:
                         C:\windows\temp\CRYPTSP.dll
 Opens:
                         C:\Windows\System32\cryptsp.dll
                         C:\Windows\System32\rsaenh.dll
 Opens:
 Opens:
                         C:\windows\temp\RpcRtRemote.dll
 Opens:
                         C:\Windows\System32\RpcRtRemote.dll
 Opens:
                         C:\Windows\System32\npmproxy.dll
 Opens:
                         C:\Windows\System32\msimtf.dll
 Opens:
                         C:\windows\temp\MLANG.dll
                         C:\Windows\System32\mlang.dll
 Opens:
 Opens:
                         C:\Windows\Fonts\times.ttf
                         C:\Windows\System32\C_20127.NLS
 Opens:
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\KQ5TVCON\property_front[1].aspx
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\KQ5TVCON\JMX_AjaxControl[1].js
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\KQ5TVCON\JMX.Frame.Common[1].js
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
 Opens:
Files\Content.IE5\X3IPB3Z1\jquery-1.4.2.min[1].js
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\X3IPB3Z1\JMX_FormValidator[1].js
 Opens:
                         C:\Windows\System32\jscript.dll
 Opens:
                         C:\Windows\System32\en-US\jscript.dll.mui
                         C:\Windows\System32\en-US\KernelBase.dll.mui
 Opens:
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\BX3UL1G0\client_ending[1].htm
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Internet Explorer
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Internet Explorer\MSIMGSIZ.DAT
                         C:\Windows\System32\en-US\mshtml.dll.mui
 Opens:
 Opens:
                         C:\Windows\Fonts\StaticCache.dat
                         C:\Users\Admin\AppData\Roaming\Microsoft\Windows\IETldCache
 Opens:
                         C:\Users\Admin\AppData\Roaming\Microsoft\Windows\IETldCache\index.dat
 Opens:
 Writes to:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\BX3UL1G0\104[1]
 Writes to:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\KQ5TVCON\property_front[1].aspx
 Writes to:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\KQ5TVCON\JMX_AjaxControl[1].js
 Writes to:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5\KQ5TVCON\JMX.Frame.Common[1].js
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
 Writes to:
Files\Content.IE5\X3IPB3Z1\jquery-1.4.2.min[1].js
```

C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet Writes to:

Files\Content.IE5\X3IPB3Z1\JMX_FormValidator[1].js

C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet Writes to:

Files\Content.IE5\BX3UL1G0\client_ending[1].htm

C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet Writes to:

Files\Content.IE5\BX3UL1G0\SRO-ending[1].jpg

C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet

Files\Content.IE5\BX3UL1G0\btn_facebook[1].jpg

Reads from: C:\Windows\System32\drivers\etc\hosts

Reads from: C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet

Files\Content.IE5\X3IPB3Z1\jquery-1.4.2.min[1].js

Reads from: C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet

Files\Content.IE5\X3IPB3Z1\JMX_FormValidator[1].js

C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet Reads from:

Files\Content.IE5\KQ5TVCON\JMX_AjaxControl[1].js

Reads from: C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet

Files\Content.IE5\KQ5TVCON\JMX.Frame.Common[1].js

Reads from: C:\Windows\Fonts\StaticCache.dat

Network Events

DNS query: wpad DNS query: www.joymax.com DNS query: file.joymax.com DNS query: silkroadcp.joymax.com DNS query: img.joymax.com DNS response: www.joymax.com \Rightarrow 222.111.176.232 DNS response: file.joymax.com ⇒ 222.111.176.232 DNS response: silkroadcp.joymax.com ⇒ 121.128.133.11 DNS response: silkroadcp.joymax.com ⇒ 121.128.133.12 DNS response: img.joymax.com.gccdn.net \Rightarrow 14.0.55.3 $img.joymax.com.gccdn.net \Rightarrow 14.0.55.10$ DNS response: Connects to: 127.0.0.1:56646 Connects to: 222.111.176.232:80 Connects to: 121.128.133.11:80 14.0.55.3:80 Connects to: Sends data to: 0.0.0.0:5355 Sends data to: 224.0.0.252:5355 Sends data to: 8.8.8.8:53 Sends data to: 127.0.0.1:56646 file.joymax.com:80 (222.111.176.232) Sends data to: Sends data to: silkroadcp.joymax.com:80 (121.128.133.11) Sends data to: img.joymax.com.gccdn.net:80 (14.0.55.3) Receives data from: 8.8.8.8:53 Receives data from: 127.0.0.1:56646

Windows Registry Events

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

silkroadcp.joymax.com:80 (121.128.133.11)

img.joymax.com.gccdn.net:80 (14.0.55.3)

file.joymax.com:80 (222.111.176.232)

Creates key: HKLM\software\microsoft\tracing

Creates key:

HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasapi32

Creates key:

HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasmancs

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

settings\connections

Receives data from: Receives data from:

Receives data from:

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\wpad\{228d30c5-2af6-45b6-bf55-65a88ac6a29a}

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

settings\wpad\{228d30c5-2af6-45b6-bf55-65a88ac6a29a}\a2-98-d5-56-33-71

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

settings\wpad\a2-98-d5-56-33-71

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

settings\p3p\history

Creates key: HKCU\software\microsoft\windows script\settings

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

settings\zonemap[proxybypass]

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

settings\zonemap[proxybypass]

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

settings\zonemap[intranetname]

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

settings\zonemap[intranetname]

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]
  Opens key:
                                     HKLM\system\currentcontrolset\control\session manager
  Opens key:
                                     HKLM\system\currentcontrolset\control\terminal server
  Opens key:
                                     HKLM\system\currentcontrolset\control\safeboot\option
  Opens key:
                                     HKLM\system\currentcontrolset\control\srp\gp\dll
  Opens key:
                                     HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers
  Opens key:
                                     HKCU\software\policies\microsoft\windows\safer\codeidentifiers
  Opens key:
                                     HKCU\
                                     HKCU\control panel\desktop\muicached\machinelanguageconfiguration
  Opens key:
  Opens key:
                                     HKLM\software\policies\microsoft\mui\settings
  Opens key:
                                     HKCU\software\policies\microsoft\control panel\desktop
  Opens key:
                                     HKCU\control panel\desktop\languageconfiguration
  Opens key:
                                     HKCU\control panel\desktop
                                     HKCU\control panel\desktop\muicached
  Opens key:
  Opens key:
                                     HKLM\software\microsoft\windows\currentversion\sidebyside
  Opens key:
HKLM\software\microsoft\windows\currentversion\sidebyside\assemblystorageroots
  Opens key:
                                     HKLM\system\currentcontrolset\control\nls\sorting\versions
  Opens key:
                                     HKLM\system\currentcontrolset\control\error message instrument\
                                     HKLM\system\currentcontrolset\control\error message instrument
  Opens key:
  Opens key:
                                     HKLM\software\microsoft\windows nt\currentversion\gre_initialize
                                     HKLM\software\microsoft\windows nt\currentversion\compatibility32
  Opens key:
  Opens key:
                                     HKLM\software\microsoft\windows nt\currentversion\ime compatibility
  Opens key:
                                     HKLM\
  Opens key:
                                     HKLM\software\microsoft\windows nt\currentversion\windows
                                     \label{thm:local_hammon} \mbox{HKLM} \mbox{\sc software} \mbox{\sc microsoft} \mbox{\sc windows} \mbox{\sc nt} \mbox{\sc current} \mbox{\sc version} \mbox{\sc diagnostics}
  Opens key:
  Opens key:
                                     HKLM\software\microsoft\ole
  Opens key:
                                     HKLM\software\microsoft\ole\tracing
                                     HKCU\software\classes\
  Opens key:
  Opens key:
                                     HKCU\software\classes\clsid
  Opens key:
                                     HKCR\clsid
                                     HKLM\software\microsoft\oleaut
  Opens key:
  Opens key:
                                     HKCU\software\microsoft\windows\currentversion\policies\explorer
  Opens key:
                                     HKCU\software\microsoft\windows\currentversion\policies\network
  Opens key:
                                     HKCU\software\microsoft\windows\currentversion\policies\comdlg32
  Opens key:
                                     Opens key:
                                     HKLM\system\currentcontrolset\control\nls\extendedlocale
  Opens key:
                                     HKLM\system\currentcontrolset\control\nls\locale
  Opens key:
                                     HKLM\system\currentcontrolset\control\nls\locale\alternate sorts
  Opens key:
                                     HKLM\system\currentcontrolset\control\nls\language groups
  Opens key:
                                     HKLM\software\microsoft\com3
  Opens key:
                                     HKCU\software\classes\clsid\{8856f961-340a-11d0-a96b-00c04fd705a2}
  Opens key:
                                     HKCR\clsid\{8856f961-340a-11d0-a96b-00c04fd705a2}
  Opens key:
                                     HKCU\software\classes\clsid\{8856f961-340a-11d0-a96b-
00c04fd705a2}\treatas
  Opens key:
                                     HKCR\clsid\{8856f961-340a-11d0-a96b-00c04fd705a2}\treatas
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explorer\main\featurecontrol\feature_release_keys_on_unload_kb975619
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                                     \label{lem:hklm} \verb+Kklm\+ software\+ microsoft\+ windows nt\+ current version\+ profile list
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HKLM\software\microsoft\sqmclient\windows\disabledprocesses\ Opens key: Opens key: HKLM\system\currentcontrolset\control\samservicelist Opens kev: HKLM\software\microsoft\sqmclient\windows\disabledsessions\ Opens key: Opens key: HKCU\software\classes\autoproxytypes Opens key: HKCR\autoproxytypes HKCU\software\classes\autoproxytypes\application/x-internet-signup Opens key: Opens key: HKCR\autoproxytypes\application/x-internet-signup Opens key: HKCU\software\classes\autoproxytypes\application/x-ns-proxy-autoconfig Opens key: HKCR\autoproxytypes\application/x-ns-proxy-autoconfig HKLM\system\currentcontrolset\services\dnscache\parameters Opens key: Opens key: HKLM\software\policies\microsoft\windows nt\dnsclient Opens key: HKLM\system\currentcontrolset\services\dns Opens key: HKLM\software\policies\microsoft\system\dnsclient Opens key: HKLM\system\currentcontrolset\services\winsock\parameters Opens key: HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock Opens kev: HKLM\system\currentcontrolset\services\psched\parameters\winsock Opens key: HKLM\system\currentcontrolset\services\winsock\setup migration\providers Opens key: HKLM\system\currentcontrolset\services\winsock\setup migration\providers\psched Opens key: HKLM\system\currentcontrolset\services\tcpip\parameters\winsock Opens key: HKLM\software\policies\microsoft\windows nt\dnsclient\dnspolicyconfig Opens kev: HKLM\system\currentcontrolset\services\dnscache\parameters\dnspolicyconfig Opens key: HKLM\system\currentcontrolset\services\winsock\setup migration\providers\tcpip Opens key: HKCU\software\microsoft\internet explorer\main\featurecontrol\feature_isolate_named_windows HKLM\software\microsoft\internet Opens kev: explorer\main\featurecontrol\feature_isolate_named_windows Opens key: HKLM\system\currentcontrolset\services\winsock\setup migration\providers\tcpip6 Opens key: HKLM\system\currentcontrolset\services\dnscache\parameters\dnscache Opens key: c19ce8a73253} HKCU\software\microsoft\internet Opens kev: explorer\main\featurecontrol\feature_binary_caller_service_provider HKLM\software\microsoft\internet Opens key: explorer\main\featurecontrol\feature_binary_caller_service_provider Opens key: $HKLM \verb|\software\policies\microsoft\windows\currentversion\ | internet$ settings\url history Opens kev: HKCU\software\policies\microsoft\windows\currentversion\internet settings\url history HKCU\software\microsoft\windows\currentversion\internet settings\url Opens key: history Opens key: $\label{lem:hklmsoftware} \verb+MKLM\+ software \verb+\microsoft\+ windows \verb+\current version \verb+\current settings \verb+\current version version \verb+\current version version version \verb+\current version ve$ history Opens kev: HKCU\software\microsoft\internet explorer\main\featurecontrol\feature_codepage_inherit HKLM\software\microsoft\internet Opens kev: explorer\main\featurecontrol\feature_codepage_inherit Opens key: HKCU\software\classes\protocols\name-space handler\http\ Opens key: HKCR\protocols\name-space handler\http Opens key: HKCU\software\microsoft\windows\currentversion\internet settings\user agent Opens key: HKLM\software\microsoft\windows\currentversion\internet settings\user agent Opens key: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\user agent Opens key: HKLM\software\microsoft\windows\currentversion\internet settings\5.0\user agent Opens key: $\label{lem:hklm} \verb+Kklm\+ software\+ policies\+ microsoft\+ windows\+ current version\+ internet$ settings\user agent $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \policies \microsoft \windows \current version \end{tabular} in termet \end{tabular}$ Opens key: settings\user agent Opens key: HKLM\software\microsoft\windows\currentversion\internet settings\user agent\ua tokens Opens key: HKLM\software\microsoft\windows\currentversion\internet settings\user agent\pre platform Opens key: HKLM\software\microsoft\windows\currentversion\internet settings\5.0\user agent\pre platform Opens kev: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\user agent\pre platform Opens key: HKLM\software\microsoft\windows\currentversion\internet settings\user agent\post platform Opens key: HKLM\software\microsoft\windows\currentversion\internet settings\5.0\user agent\post platform HKCU\software\microsoft\windows\currentversion\internet Opens kev: settings\5.0\user agent\post platform Opens key: HKCU\software\microsoft\internet explorer\main\featurecontrol\feature_maxconnectionsperserver

HKLM\software\microsoft\internet

Opens key:

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explorer\main\featurecontrol\feature_maxconnectionsperserver
                         HKCU\software\microsoft\internet
 Opens kev:
explorer\main\featurecontrol\feature_maxconnectionsper1_0server
                         HKLM\software\microsoft\internet
 Opens key:
explorer\main\featurecontrol\feature_maxconnectionsper1_0server
 Opens key:
                         HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces
 Opens kev:
c19ce8a73253}
                         HKCU\software\microsoft\windows\currentversion\urlmon settings
 Opens key:
 Opens kev:
                         HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_include_port_in_spn_kb908209
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_include_port_in_spn_kb908209
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806e6f6e6963}
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HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{7b9cb019-1924-49a5-867c-
a68f334c8d34}
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                         HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}
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                         HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}\progid
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199fdba5723b}\inprocserver32
                         HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}\inprocserver32
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 Opens key:
                         HKCU\software\classes\clsid\{dcb00c01-570f-4a9b-8d69-
199fdba5723b}\inprochandler32
 Opens key:
                         HKCR\clsid\\\{dcb00c01-570f-4a9b-8d69-199fdba5723b\\\inprochandler32
 Opens key:
                         HKCU\software\classes\clsid\{dcb00c01-570f-4a9b-8d69-
199fdba5723b}\inprochandler
                         HKCR\clsid\\\{dcb00c01-570f-4a9b-8d69-199fdba5723b\\\}\inprochandler
 Opens key:
 Opens key:
                         HKLM\software\microsoft\rpc\extensions
 Opens key:
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                         HKCR\clsid\{a47979d2-c419-11d9-a5b4-001185ad2b89}
 Opens key:
 Opens key:
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001185ad2b89}\treatas
                         HKCR\clsid\{a47979d2-c419-11d9-a5b4-001185ad2b89}\treatas
 Opens key:
 Opens key:
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 Opens key:
 Opens key:
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001185ad2b89}\inprocserver32
                         HKCR\clsid\{a47979d2-c419-11d9-a5b4-001185ad2b89}\inprocserver32
 Opens key:
 Opens key:
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001185ad2b89}\inprochandler32
 Opens key:
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 Opens key:
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 Opens key:
                         HKCR\clsid\{a47979d2-c419-11d9-a5b4-001185ad2b89}\inprochandler
 Opens key:
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 Opens key:
                         HKCR\appid\83497c45d30bcb551f5f55f3f63b6fa1.exe
 Opens key:
                         HKLM\software\microsoft\ole\appcompat
 Opens key:
                         HKLM\system\currentcontrolset\control\lsa
 Opens key:
                         HKLM\software\microsoft\cryptography\defaults\provider\microsoft strong
cryptographic provider
 Opens key:
                         HKLM\system\currentcontrolset\control\lsa\fipsalgorithmpolicy
 Opens key:
HKLM\system\currentcontrolset\policies\microsoft\cryptography\configuration
 Opens key:
                         HKLM\software\policies\microsoft\cryptography
                         HKLM\software\microsoft\cryptography
 Opens key:
                         {\tt HKLM \ } software \ \verb|\ microsoft \ \verb|\ cryptography \ \verb|\ offload|
 Opens key:
 Opens key:
                         HKCU\software\classes\interface\{00000134-0000-0000-c000-000000000046}
 Opens key:
                         HKCR\interface\{00000134-0000-0000-c000-00000000046}
                         HKCU\software\classes\interface\{00000134-0000-0000-c000-
 Opens key:
000000000046}\proxystubclsid32
 Opens key:
                         HKCR\interface\{00000134-0000-0000-c000-00000000046}\proxystubclsid32
 Opens key:
                         HKLM\svstem\currentcontrolset\services\bfe
 Opens key:
                         \label{local-eq:hkcu} \begin{tabular}{ll} HKCU \software \classes \interface \ \{d0074ffd-570f-4a9b-8d69-199fdba5723b\} \end{tabular}
```

HKCR\interface\{d0074ffd-570f-4a9b-8d69-199fdba5723b}

HKCU\software\classes\interface\{d0074ffd-570f-4a9b-8d69-

Opens key: Opens key:

```
199fdba5723b}\proxystubclsid32
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   Opens key:
                                               HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-2299f0398e27}
   Opens key:
   Opens kev:
                                               HKCU\software\classes\clsid\{1299cf18-c4f5-4b6a-bb0f-
2299f0398e27}\treatas
                                               HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-2299f0398e27}\treatas
   Opens key:
                                               HKCU\software\classes\clsid\{1299cf18-c4f5-4b6a-bb0f-
   Opens key:
2299f0398e27}\progid
                                               HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-2299f0398e27}\progid
   Opens key:
                                               HKCU\software\classes\clsid\{1299cf18-c4f5-4b6a-bb0f-
   Opens kev:
2299f0398e27}\inprocserver32
   Opens key:
                                               HKCU\software\classes\clsid\{1299cf18-c4f5-4b6a-bb0f-
   Opens key:
2299f0398e27}\inprochandler32
                                               HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-2299f0398e27}\inprochandler32
   Opens key:
                                               HKCU\software\classes\clsid\{1299cf18-c4f5-4b6a-bb0f-
   Opens key:
2299f0398e27}\inprochandler
   Opens key:
                                               HKCR \ clsid \ \{1299cf18-c4f5-4b6a-bb0f-2299f0398e27\} \ \ in prochandler
                                               \label{local-eq:hkcu} \begin{tabular}{ll} HKCU \setminus software \setminus classes \setminus interface \setminus \{26656eaa-54eb-4e6f-8f85-4f0ef901a406\} \\ \end{tabular}
   Opens key:
   Opens key:
                                               HKCR\interface\{26656eaa-54eb-4e6f-8f85-4f0ef901a406}
   Opens key:
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4f0ef901a406}\proxystubclsid32
   Opens key:
                                               HKCR\interface \ \{26656eaa-54eb-4e6f-8f85-4f0ef901a406\} \ proxystubclsid 32
   Opens key:
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                                               HKCR\interface\{8a40a45d-055c-4b62-abd7-6d613e2ceaec}
   Opens key:
   Opens key:
                                               HKCU\software\classes\interface\{8a40a45d-055c-4b62-abd7-
6d613e2ceaec}\proxystubclsid32
                                               HKCR\interface\{8a40a45d-055c-4b62-abd7-6d613e2ceaec}\proxystubclsid32
   Opens kev:
   Opens key:
                                               HKCU\software\classes\interface\{55272a00-42cb-11ce-8135-00aa004bb851}
   Opens key:
                                               HKCR\interface\{55272a00-42cb-11ce-8135-00aa004bb851}
   Opens key:
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00aa004bb851}\proxystubclsid32
   Opens key:
                                               HKCR\interface\{55272a00-42cb-11ce-8135-00aa004bb851}\proxystubclsid32
                                               HKCU\software\classes\clsid\{b196b286-bab4-101a-b69c-00aa00341d07}
   Opens key:
   Opens key:
                                               HKCR\clsid\{b196b286-bab4-101a-b69c-00aa00341d07}
   Opens key:
                                               HKCU\software\classes\clsid\{b196b286-bab4-101a-b69c-
00aa00341d07}\treatas
   Opens key:
                                               HKCR\clsid\b196b286-bab4-101a-b69c-00aa00341d07\treatas
   Opens key:
                                               HKCU\software\classes\clsid\{b196b286-bab4-101a-b69c-
00aa00341d07}\progid
   Opens key:
                                               HKCR\clsid\{b196b286-bab4-101a-b69c-00aa00341d07}\progid
   Opens key:
                                               HKCU\software\classes\clsid\{b196b286-bab4-101a-b69c-
00aa00341d07}\inprocserver32
                                               HKCR\clsid\{b196b286-bab4-101a-b69c-00aa00341d07}\inprocserver32
   Opens kev:
   Opens key:
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00aa00341d07}\inprochandler32
   Opens key:
                                               HKCR\clsid\{b196b286-bab4-101a-b69c-00aa00341d07}\inprochandler32
                                               HKCU\software\classes\clsid\{b196b286-bab4-101a-b69c-
   Opens kev:
00aa00341d07}\inprochandler
                                               HKCR \ clsid \ \{b196b286-bab4-101a-b69c-00aa00341d07\} \ \ in prochandler
   Opens key:
   Opens key:
                                               HKCU\software\classes\interface\{bcd1de7e-2db1-418b-b047-4a74e101f8c1}
                                               HKCR\interface\{bcd1de7e-2db1-418b-b047-4a74e101f8c1}
   Opens key:
                                               HKCU\software\classes\interface\{bcd1de7e-2db1-418b-b047-
   Opens key:
4a74e101f8c1}\proxystubclsid32
                                              HKCR \ \ to establish the latest and the latest angle of the lat
   Opens key:
   Opens key:
                                               HKCU \setminus software \setminus classes \setminus interface \setminus \{2a1c9eb2-df62-4154-b800-63278fcb8037\}
   Opens key:
                                               HKCR\interface\{2a1c9eb2-df62-4154-b800-63278fcb8037}
                                               HKCU\software\classes\interface\{2a1c9eb2-df62-4154-b800-
   Opens key:
63278fcb8037}\proxystubclsid32
   Opens key:
                                               HKCR\interface\{2a1c9eb2-df62-4154-b800-63278fcb8037}\proxystubclsid32
   Opens key:
                                               HKCU\software\microsoft\windows\currentversion\internet
settings\wpad\{228d30c5-2af6-45b6-bf55-65a88ac6a29a}
                                               HKCU\software\microsoft\internet
   Opens kev:
explorer\main\featurecontrol\feature_disable_legacy_compression
   Opens key:
                                               HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_disable_legacy_compression
                                               HKCU \setminus software \setminus classes \setminus clsid \setminus \{e569bde7 - a8dc - 47f3 - 893f - fd2b31b3eefd\}
   Opens key:
   Opens key:
                                               HKCR\clsid\{e569bde7-a8dc-47f3-893f-fd2b31b3eefd\}
   Opens key:
                                               HKCU\software\classes\clsid\{e569bde7-a8dc-47f3-893f-
fd2b31b3eefd}\treatas
   Opens key:
                                               HKCR\clsid\{e569bde7-a8dc-47f3-893f-fd2b31b3eefd}\treatas
   Opens key:
                                               HKCU\software\classes\clsid\{e569bde7-a8dc-47f3-893f-
fd2b31b3eefd}\progid
   Opens key:
                                               HKCR\clsid\{e569bde7-a8dc-47f3-893f-fd2b31b3eefd}\progid
   Opens key:
                                               HKCU\software\classes\clsid\{e569bde7-a8dc-47f3-893f-
fd2b31b3eefd}\inprocserver32
                                               HKCR\clsid\{e569bde7-a8dc-47f3-893f-fd2b31b3eefd}\inprocserver32
   Opens key:
   Opens key:
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fd2b31b3eefd}\inprochandler32
   Opens key:
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                                               HKCU\software\classes\clsid\{e569bde7-a8dc-47f3-893f-
   Opens key:
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fd2b31b3eefd}\inprochandler

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HKCR\clsid\{e569bde7-a8dc-47f3-893f-fd2b31b3eefd}\ \ in prochandler
   Opens key:
   Opens key:
                                                HKCU\software\classes\protocols\name-space handler
   Opens kev:
                                                HKCU\software\policies\microsoft\windows\currentversion\internet
settings\
   Opens kev:
                                                HKCU\software\microsoft\windows\currentversion\internet settings\
   Opens key:
                                                \label{lem:hklm} \verb+Kklm\+ software\+ policies\+ microsoft\+ windows\+ current version\+ internet
settings\zonemap\
  Opens key:
                                                HKCU\software\policies\microsoft\windows\currentversion\internet
settings\zonemap\
   Opens key:
                                                HKLM\software\policies\microsoft\internet explorer\restrictions
   Opens key:
                                                HKCU\software\policies\microsoft\internet explorer\restrictions
   Opens key:
                                                HKCU\software\classes\clsid\{50d5107a-d278-4871-8989-f4ceaaf59cfc}
   Opens key:
                                                HKCR\clsid\{50d5107a-d278-4871-8989-f4ceaaf59cfc}
   Opens key:
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f4ceaaf59cfc}\treatas
                                                HKCR\clsid\{50d5107a-d278-4871-8989-f4ceaaf59cfc}\treatas
   Opens key:
                                                HKCU\software\classes\clsid\{50d5107a-d278-4871-8989-
   Opens key:
f4ceaaf59cfc}\progid
   Opens key:
                                                HKCR\clsid\{50d5107a-d278-4871-8989-f4ceaaf59cfc}\progid
   Opens key:
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f4ceaaf59cfc}\inprocserver32
                                                HKCR\clsid\{50d5107a-d278-4871-8989-f4ceaaf59cfc}\inprocserver32
   Opens key:
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   Opens kev:
f4ceaaf59cfc}\inprochandler32
   Opens key:
                                                HKCR\clsid\{50d5107a-d278-4871-8989-f4ceaaf59cfc}\tinprochandler 32
   Opens key:
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f4ceaaf59cfc}\inprochandler
   Opens key:
                                                HKCR\clsid\{50d5107a-d278-4871-8989-f4ceaaf59cfc}\inprochandler
   Opens key:
                                                HKCU\software\policies\microsoft\internet explorer\control panel
   Opens key:
                                                HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_iedde_register_urlecho
                                               HKLM\software\microsoft\internet
   Opens key:
explorer\main\featurecontrol\feature_iedde_register_urlecho
   Opens key:
                                                HKLM\software\policies\microsoft\internet explorer\recovery
                                                HKCU\software\microsoft\internet explorer\recovery
   Opens key:
   Opens key:
                                                HKCU\software\microsoft\internet explorer\feed discovery
   Opens key:
                                                HKLM\software\microsoft\internet explorer\feed discovery
   Opens key:
                                                HKCU\software\microsoft\ftp
   Opens key:
                                                HKLM\system\currentcontrolset\services\netbt\linkage
   Opens key:
                                                HKCU\software\microsoft\windows\currentversion\internet
settings\p3p\history\joymax.com
                                                HKCU\software\classes\mime\database\content type\text/html; charset=utf-
   Opens key:
8
                                                HKCR\mime\database\content type\text/html; charset=utf-8
   Opens key:
   Opens key:
                                                HKCU\software\classes\mime\database\content type\text/html
   Opens key:
                                                HKCR\mime\database\content type\text/html
                                                HKCU\software\classes\protocols\filter\text/html; charset=utf-8
   Opens key:
   Opens key:
                                                HKCR\protocols\filter\text/html; charset=utf-8
                                                HKCU\software\microsoft\internet
   Opens kev:
explorer\main\featurecontrol\feature_subdownload_lockdown
                                                HKLM\software\microsoft\internet
   Opens kev:
explorer\main\featurecontrol\feature subdownload lockdown
   Opens key:
                                                HKCU\software\classes\mime\database\content type\application/x-
javascript
   Opens kev:
                                                HKCR\mime\database\content type\application/x-javascript
   Opens key:
                                                HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_custom_image_mime_types_kb910561
   Opens key:
                                                HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_custom_image_mime_types_kb910561
   Opens key:
                                                HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_cross_domain_redirect_mitigation
  Opens key:
                                                HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_cross_domain_redirect_mitigation
   Opens kev:
                                                HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_block_lmz_script
   Opens key:
                                                HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_block_lmz_script
                                                HKCU \setminus software \setminus classes \setminus clsid \setminus \{f414c260-6ac0-11cf-b6d1-00aa00bbbb58\}
   Opens key:
   Opens key:
                                                HKCR \ clsid \ \{f414c260-6ac0-11cf-b6d1-00aa00bbbb58\}
   Opens key:
                                                HKCU\software\classes\clsid\{f414c260-6ac0-11cf-b6d1-
00aa00bbbb58}\treatas
   Opens key:
                                                HKCR\clsid\{f414c260-6ac0-11cf-b6d1-00aa00bbbb58}\treatas
   Opens key:
                                                HKCU\software\classes\clsid\{f414c260-6ac0-11cf-b6d1-
00aa00bbbb58}\progid
   Opens key:
                                                HKCR \land \{f414c260-6ac0-11cf-b6d1-00aa00bbbb58\} \land progid
                                                HKCU\software\classes\clsid\{f414c260-6ac0-11cf-b6d1-
   Opens kev:
00aa00bbbb58}\inprocserver32
                                                HKCR\clsid\f414c260-6ac0-11cf-b6d1-00aa00bbb58\\\inprocserver32
   Opens kev:
                                                HKCU\software\classes\clsid\{f414c260-6ac0-11cf-b6d1-
   Opens key:
00aa00bbbb58}\inprochandler32
   Opens key:
                                                HKCR \clsid \f414c260-6ac0-11cf-b6d1-00aa00bbb58 \clsid \clsid
```

Opens key: $\label{eq:hcutsoftware} Lasses\clsid\{f414c260-6ac0-11cf-b6d1-00aa00bbb58}\inprochandler$

```
HKCR \ clsid \ \{f414c260-6ac0-11cf-b6d1-00aa00bbbb58\} \ line \ rochandler
   Opens key:
                                              HKLM\software\microsoft\windows script\features
   Opens key:
   Opens key:
                                              HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_respect_objectsafety_policy_kb905547
   Opens kev:
                                             HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_respect_objectsafety_policy_kb905547
   Opens key:
                                             HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_activex_inactivate_mode_removal_revert
   Opens key:
                                             HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_activex_inactivate_mode_removal_revert
                                             HKCU\software\microsoft\internet
  Opens kev:
explorer\main\featurecontrol\feature_use_windowedselectcontrol
   Opens key:
                                             HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_use_windowedselectcontrol
                                             HKCU \setminus software \setminus classes \setminus clsid \setminus \{3050f391-98b5-11cf-bb82-00aa00bdce0b\}
   Opens key:
                                              HKCR\clsid\{3050f391-98b5-11cf-bb82-00aa00bdce0b}
   Opens key:
   Opens key:
                                              HKCU \setminus software \setminus classes \setminus clsid \setminus \{3050f391-98b5-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11cf-bb82-11c
00aa00bdce0b}\treatas
   Opens key:
                                              HKCR\clsid\{3050f391-98b5-11cf-bb82-00aa00bdce0b}\treatas
   Opens key:
                                              HKCU\software\classes\clsid\{3050f391-98b5-11cf-bb82-
00aa00bdce0b}\progid
                                              HKCR\clsid\{3050f391-98b5-11cf-bb82-00aa00bdce0b}\progid
   Opens key:
   Opens kev:
                                             HKCU\software\classes\clsid\{3050f391-98b5-11cf-bb82-
00aa00bdce0b}\inprocserver32
   Opens key:
                                             HKCR\clsid\{3050f391-98b5-11cf-bb82-00aa00bdce0b}\inprocserver32
   Opens key:
                                             HKCU\software\classes\clsid\{3050f391-98b5-11cf-bb82-
00aa00bdce0b}\inprochandler32
   Opens key:
                                             HKCR\clsid\{3050f391-98b5-11cf-bb82-00aa00bdce0b}\inprochandler32
   Opens kev:
                                             HKCU\software\classes\clsid\{3050f391-98b5-11cf-bb82-
00aa00bdce0b}\inprochandler
   Opens key:
                                             HKCR\clsid\{3050f391-98b5-11cf-bb82-00aa00bdce0b}\inprochandler
                                             HKCU\software\microsoft\internet
   Opens key:
explorer\main\featurecontrol\feature_xmlhttp
   Opens key:
                                             HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_xmlhttp
   Opens key:
                                              HKLM\software\microsoft\internet explorer\abouturls
   Opens key:
                                             HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_restrict_about_protocol_ie7
                                             HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_restrict_about_protocol_ie7
                                             \label{lem:hklm} \verb+Kklm \+ olicies + microsoft + internet explorer + dxtrans
   Opens key:
   Opens key:
                                              HKCU\software\microsoft\internet explorer\dxtrans
   Opens key:
                                             HKLM\software\microsoft\internet explorer\dxtrans
                                             HKCU\software\microsoft\internet
   Opens key:
explorer\main\featurecontrol\feature_scripturl_mitigation
   Opens key:
                                             HKLM\software\microsoft\internet
\verb|explorer\main\featurecontrol\feature\_scripturl\_mitigation| \\
```

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

HKLM\software\microsoft\windows nt\currentversion\fontlink\systemlink Opens key:

Opens key: HKLM\software\microsoft\windows

nt\currentversion\languagepack\datastore_v1.0

Opens kev: HKLM\software\microsoft\windows nt\currentversion\languagepack\surrogatefallback HKLM\software\microsoft\windows Opens kev: nt\currentversion\languagepack\surrogatefallback\ms shell dlg

HKCU\software\classes\mime\database\content type\image/jpeg Opens key:

Opens key: HKCR\mime\database\content type\image/jpeg

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

Opens key: HKCU\software\microsoft\internet explorer\services

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

Opens key: HKCU\software\microsoft\internet explorer\activities Opens key: HKLM\software\microsoft\internet explorer\activities

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

explorer\infodelivery\restrictions

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

explorer\infodelivery\restrictions

Opens key: HKLM\software\policies\microsoft\internet explorer\suggested sites

Opens key: HKCU\software\microsoft\internet explorer\suggested sites

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

manager[cwdillegalindllsearch]

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

Oueries value:

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

HKCU\control panel\desktop[preferreduilanguages] Oueries value:

Oueries value: HKCU\control panel\desktop\muicached[machinepreferreduilanguages]

Oueries value:

HKLM\software\microsoft\windows\currentversion\sidebyside[preferexternalmanifest] HKLM\system\currentcontrolset\control\nls\sorting\versions[] Oueries value:

Queries value: HKLM\system\currentcontrolset\control\session manager[safedllsearchmode]

```
Queries value:
                          HKLM\software\microsoft\windows
nt\currentversion\gre_initialize[disablemetafiles]
 Oueries value:
                          HKLM\software\microsoft\windows
nt\currentversion\compatibility32[83497c45d30bcb551f5f55f3f63b6fa1]
                         HKLM\software\microsoft\windows
 Oueries value:
nt\currentversion\windows[loadappinit_dlls]
 Oueries value:
                          HKLM\software\microsoft\ole[pageallocatorusesystemheap]
                          HKLM\software\microsoft\ole[pageallocatorsystemheapisprivate]
 Oueries value:
 Oueries value:
                          HKLM\system\currentcontrolset\control\nls\customlocale[en-us]
                          HKLM\system\currentcontrolset\control\nls\extendedlocale[en-us]
 Oueries value:
                          HKLM\system\currentcontrolset\control\nls\customlocale[en]
 Oueries value:
 Queries value:
                          HKLM\system\currentcontrolset\control\nls\extendedlocale[en]
 Oueries value:
                          HKLM\system\currentcontrolset\control\nls\locale[00000409]
                          HKLM\system\currentcontrolset\control\nls\language groups[1]
 Oueries value:
 Queries value:
                          HKLM\software\microsoft\com3[com+enabled]
                          HKCR\clsid\{8856f961-340a-11d0-a96b-00c04fd705a2}\progid[]
 Queries value:
                          HKCR\clsid\{8856f961-340a-11d0-a96b-00c04fd705a2}[]
 Queries value:
 Queries value:
                          HKCR\clsid\{8856f961-340a-11d0-a96b-
00c04fd705a2}\inprocserver32[inprocserver32]
                         HKCR\clsid\{8856f961-340a-11d0-a96b-00c04fd705a2}\inprocserver32[]
 Queries value:
 Queries value:
                          HKCR\clsid\{8856f961-340a-11d0-a96b-
00c04fd705a2}\inprocserver32[threadingmodel]
                         HKLM\software\microsoft\ole[maxsxshashcount]
 Oueries value:
 Queries value:
                          HKLM\software\microsoft\rpc[maxrpcsize]
 Queries value:
HKLM\system\setup[oobeinprogress]
 Queries value:
                          HKLM\system\setup[systemsetupinprogress]
                          HKLM\software\microsoft\sqmclient\windows[ceipenable]
 Oueries value:
 Queries value:
                          HKLM\system\currentcontrolset\services\crypt32[debugheapflags]
 Queries value:
                          HKLM\software\microsoft\windows\currentversion\internet
settings[disableimprovedzonecheck]
                          \label{lem:hklm} \verb+Kklm\+ software\+ policies\+ microsoft\+ windows\+ current version\+ internet
 Queries value:
settings[security hklm only]
 Oueries value:
                         HKLM\software\policies\microsoft\windows\currentversion\internet
settings[createuricachesize]
                         HKCU\software\policies\microsoft\windows\currentversion\internet
 Oueries value:
settings[createuricachesize]
                          HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[createuricachesize]
 Queries value:
                         HKLM\software\microsoft\windows\currentversion\internet
settings[createuricachesize]
                         HKLM\software\policies\microsoft\windows\currentversion\internet
 Oueries value:
settings[enablepunycode]
                          HKCU\software\policies\microsoft\windows\currentversion\internet
 Oueries value:
settings[enablepunycode]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[enablepunycode]
                         HKLM\software\microsoft\internet
 Oueries value:
explorer\main\featurecontrol\feature_http_username_password_disable[83497c45d30bcb551f5f55f3f63b6fa1.exe]
                          HKLM\software\microsoft\internet
 Oueries value:
explorer\main\featurecontrol\feature http username password disable[*]
                          HKCU\software\microsoft\internet explorer\main[frametabwindow]
 Queries value:
                          HKLM\software\microsoft\internet explorer\main[frametabwindow]
 Queries value:
 Oueries value:
                          HKCU\software\microsoft\internet explorer\main[framemerging]
 Queries value:
                          HKLM\software\microsoft\internet explorer\main[framemerging]
                          HKCU\software\microsoft\internet explorer\main[sessionmerging]
 Oueries value:
                          HKLM\software\microsoft\internet explorer\main[sessionmerging]
 Oueries value:
                          \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\internet explorer\mbox{\tt main[admintabprocs]}} \\
 Oueries value:
                          HKLM\software\microsoft\internet explorer\main[admintabprocs]
 Queries value:
 Queries value:
                          HKCU\software\microsoft\internet explorer\main[tabprocgrowth]
 Oueries value:
                          HKLM\software\microsoft\internet explorer\main[tabprocgrowth]
                          HKLM\software\microsoft\internet explorer\main[navigationdelay]
 Queries value:
 Queries value:
                          HKCR\clsid\{871c5380-42a0-1069-a2ea-
08002b30309d}\shellfolder[attributes]
                          HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
08002b30309d}\shellfolder[callforattributes]
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
08002b30309d}\shellfolder[restrictedattributes]
 Oueries value:
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
08002b30309d}\shellfolder[wantsfordisplay]
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
08002b30309d}\shellfolder[hidefolderverbs]
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Queries value:
08002b30309d}\shellfolder[usedrophandler]
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
08002b30309d}\shellfolder[wantsforparsing]
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
08002b30309d}\shellfolder[wantsparsedisplayname]
 Oueries value:
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
08002b30309d}\shellfolder[queryforoverlay]
                          HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
```

08002b30309d}\shellfolder[mapnetdriveverbs]

```
HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Queries value:
08002b30309d}\shellfolder[queryforinfotip]
                          HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
08002b30309d}\shellfolder[hideinwebview]
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
08002b30309d}\shellfolder[hideondesktopperuser]
                          HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
08002b30309d}\shellfolder[wantsaliasednotifications]
 Oueries value:
                          HKCR\clsid\{871c5380-42a0-1069-a2ea-
08002b30309d}\shellfolder[wantsuniversaldelegate]
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
08002b30309d}\shellfolder[nofilefolderjunction]
 Queries value:
                          HKCR\clsid\{871c5380-42a0-1069-a2ea-
08002b30309d}\shellfolder[pintonamespacetree]
 Queries value:
                          HKCR\clsid\{871c5380-42a0-1069-a2ea-
08002b30309d}\shellfolder[hasnavigationenum]
                          HKCU\software\microsoft\windows\currentversion\explorer\clsid\{871c5380-
 Oueries value:
42a0-1069-a2ea-08002b30309d}\shellfolder[attributes]
 Oueries value:
HKLM\software\microsoft\windows\currentversion\policies\nonenum[{871c5380-42a0-1069-a2ea-
08002b30309d}]
 Queries value:
                          HKCR\clsid\{871c5380-42a0-1069-a2ea-08002b30309d}\inprocserver32[]
 Queries value:
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
08002b30309d}\inprocserver32[loadwithoutcom]
 Oueries value:
                         HKCU\software\microsoft\windows\currentversion\shell
extensions\cached[{871c5380-42a0-1069-a2ea-08002b30309d} {000214e6-0000-0000-c000-000000000046}
0xffff]
 Queries value:
                          HKCR\clsid\{871c5380-42a0-1069-a2ea-08002b30309d}[]
 Queries value:
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
08002b30309d}\inprocserver32[inprocserver32]
 Queries value:
                         HKCR\clsid\{871c5380-42a0-1069-a2ea-
08002b30309d}\inprocserver32[threadingmodel]
                          HKLM\system\currentcontrolset\control\cmf\config[system]
 Queries value:
 Queries value:
                          HKCR\protocols\handler\res[clsid]
                         HKCR\clsid\{3050f3bc-98b5-11cf-bb82-00aa00bdce0b}[]
 Oueries value:
                          HKCR\clsid\{3050f3bc-98b5-11cf-bb82-
 Queries value:
00aa00bdce0b}\inprocserver32[inprocserver32]
                         HKCR\clsid\{3050f3bc-98b5-11cf-bb82-00aa00bdce0b}\inprocserver32[]
 Oueries value:
                          HKCR\clsid\{3050f3bc-98b5-11cf-bb82-
 Queries value:
00aa00bdce0b}\inprocserver32[threadingmodel]
 Oueries value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_legacy_dispparams[83497c45d30bcb551f5f55f3f63b6fa1.exe]
 Oueries value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_legacy_dispparams[*]
                         HKLM\software\microsoft\internet
 Oueries value:
explorer\main\featurecontrol\feature_object_caching[83497c45d30bcb551f5f55f3f63b6fa1.exe]
 Queries value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_object_caching[*]
 Oueries value:
                         HKCU\software\microsoft\windows nt\currentversion\windows[dragdelav]
 Queries value:
                          HKLM\system\currentcontrolset\control\wmi\security[0cfe0455-93ba-440d-
a3fe-553973d0b723]
 Oueries value:
                          HKLM\system\currentcontrolset\control\wmi\security[797fabac-7b58-4796-
b924-d51178a59ce41
 Queries value:
                          HKLM\system\currentcontrolset\control\wmi\security[9e3b3947-ca5d-4614-
91a2-7b624e0e72441
 Queries value:
                          HKLM\software\microsoft\internet explorer\application
compatibility[83497c45d30bcb551f5f55f3f63b6fa1.exe]
 Oueries value:
                          HKCU\software\microsoft\internet explorer\domstorage[totallimit]
 Queries value:
                          HKCU\software\microsoft\internet explorer\domstorage[domainlimit]
 Queries value:
HKLM\system\currentcontrolset\control\lsa\accessproviders[martaextension]
 Oueries value:
                          HKLM\system\currentcontrolset\services\ldap[ldapclientintegrity]
                          HKLM \setminus system \setminus current control set \setminus services \setminus ldap [use old host resolution order]
 Queries value:
 Queries value:
                          HKLM\system\currentcontrolset\services\ldap[usehostnameasalias]
 Queries value:
                          HKLM\software\microsoft\windows\currentversion\policies\ratings[key]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[urlencoding]
 Queries value:
                          HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_unc_savedfilecheck[83497c45d30bcb551f5f55f3f63b6fa1.exe]
                          HKLM\software\microsoft\internet
 Oueries value:
explorer\main\featurecontrol\feature_unc_savedfilecheck[*]
                          HKLM\software\policies\microsoft\internet
 Oueries value:
explorer\security[disablesecuritysettingscheck]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\0[flags]
 Oueries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\1[flags]
 Oueries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\2[flags]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[flags]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
```

settings\zones\4[flags]

Queries value: HKCU\software\microsoft\internet

explorer\main\featurecontrol\feature_localmachine_lockdown[83497c45d30bcb551f5f55f3f63b6fa1.exe]

Queries value: HKCU\software\microsoft\internet explorer\main\featurecontrol\feature_localmachine_lockdown[*]

Queries value: HKLM\software\microsoft\internet

explorer\main\featurecontrol\feature_localmachine_lockdown[83497c45d30bcb551f5f55f3f63b6fa1.exe]

Queries value: HKLM\software\microsoft\internet explorer\main\featurecontrol\feature_localmachine_lockdown[*]

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

manager[safeprocesssearchmode]

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

settings[specialfolderscachesize]

Queries value: HKCU\software\policies\microsoft\windows\currentversion\internet

settings[specialfolderscachesize]

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

settings[specialfolderscachesize]

Oueries value: HKI M\software\microsoft\windows\currentversion\internet

settings[specialfolderscachesize]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{352481e8-33be-4251-ba85-6007caedcf9d}[category]

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{352481e8-33be-4251-ba85-6007 caed \ folder \ 'folder \ 'folder \ 'explorer' \ 'folder \ 'folder$

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '{352481e8-33be-4251-ba85-6007} caed \ 'folder' \ 'folde$

Queries value:

 $HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{352481e8-33be-4251-ba85-6007}$

Oueries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{352481e8-33be-4251-ba85-6007 \ caedcf9d\} \ [relative path]$

Queries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\{352481e8-33be-4251-ba85-6007caedcf9d\}[parsingname]}$

Oueries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{352481e8-33be-4251-ba85-6007 caed \ folder \ 'folder \ 'folder \ 'explorer' \ 'folder \ 'explorer' \ 'folder \ 'fold$

Queries value:

 $\label{lem:hklmsoftware} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{352481e8-33be-4251-ba85-6007caedcf9d\}[localizedname]}$

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{352481e8-33be-4251-ba85-6007 caed \ folder \ 'folder \ 'folder \ 'explorer' \ 'folder \ 'explorer' \ 'folder \ 'fold$

Queries value:

 $\label{thm:microsoft} $HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions \eqref{352481e8-33be-4251-ba85-6007caedcf9d} [security]$

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '{352481e8-33be-4251-ba85-6007} caed \ 'folder \$

Queries value:

 $\label{lem:hklmsoftware} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{352481e8-33be-4251-ba85-6007caedcf9d\}[streamresourcetype]}$

Queries value:

 $\label{localization} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \eqref{352481e8-33be-4251-ba85-6007} \end{array} \ [local redirect only]$

Queries value:

 $HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{352481e8-33be-4251-ba85-6007caedcf9d}\[roamable]$

Queries value:

 $\label{lem:hklm} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{352481e8-33be-4251-ba85-6007} caedcf9d\footnote{1} [precreate]$

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{352481e8-33be-4251-ba85-6007caedcf9d}[stream]

Queries value:

 $\label{lem:hklm} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{352481e8-33be-4251-ba85-6007} caedcf9d\[Publishexpandedpath\]$

Queries value:

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '{352481e8-33be-4251-ba85-6007} \ [folder type id]$

Oueries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{352481e8-33be-4251-ba85-6007 caed \ folder \ handler]$

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

folders[cache]

Queries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\{2b0f765d-c0e9-4171-908e-08a611b84ff6\}[category]}$

Oueries value:

 $HKLM \ software \ icrosoft \ windows \ current version \ explorer \ folder descriptions \ \{2b0f765d-c0e9-4171-908e-08a611b84ff6\} \ [name]$

Oueries value

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{2b0f765d-c0e9-4171-908e-08a611b84ff6\} \ [parent folder]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{2b0f765d-c0e9-4171-908e-08a611b84ff6\} \ [description]$

Queries value:

 $HKLM \ software \ `microsoft \ 'endows \ 'en$

Oueries value:

 $\label{lem:hklmsoftware} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{2b0f765d-c0e9-4171-908e-08a611b84ff6\}[parsingname]}$

Oueries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ folder descriptions \ `\{2b0f765d-c0e9-4171-908e-08a611b84ff6\}[infotip]$

Oueries value:

 $HKLM \ software \ `microsoft \ 'explorer \ 'folder descriptions \ '\{2b0f765d-c0e9-4171-908e-08a611b84ff6\} [localized name]$

Queries value:

 $HKLM \ software \ `microsoft \ 'current version \ 'explorer \ 'folder descriptions \ '\{2b0f765d-c0e9-4171-908e-08a611b84ff6\}[icon]$

Queries value:

 $HKLM \ software \ `microsoft \ 'current version \ 'explorer \ 'folder descriptions \ '\{2b0f765d-c0e9-4171-908e-08a611b84ff6\} [security]$

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{2b0f765d-c0e9-4171-908e-08a611b84ff6\}[stream resource]$

Oueries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{2b0f765d-c0e9-4171-908e-08a611b84ff6\} \ [stream resource type]$

Queries value:

 $\label{lem:hklmsoftware} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{2b0f765d-c0e9-4171-908e-08a611b84ff6\}[localredirectonly]}$

Oueries value:

 $HKLM \software \microsoft \windows \current version \explorer \folder descriptions \current \folder \current \folder \folder \current \folder \current \folder \current \folder \fol$

Queries value:

 $HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{2b0f765d-c0e9-4171-908e-08a611b84ff6}\$

Queries value:

 $\label{lem:hklmsoftware} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{2b0f765d-c0e9-4171-908e-08a611b84ff6\}[stream]}$

Queries value:

 $\label{lem:hklmsoftwaremicrosoftwindows} Currentversion \explorer $$ 100 - 1$

Queries value:

 $\label{lem:hklmsoftware} HKLM \software \mbox{$2b0f765d-c0e9-4171-908e-08a611b84ff6} [attributes]$

Queries value:

 $\label{lem:hklmsoftware} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{2b0f765d-c0e9-4171-908e-08a611b84ff6\}[foldertypeid]}$

Queries value:

 $\label{lem:hklmsoftware} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \eqref{2b0f765d-c0e9-4171-908e-08a611b84ff6} [initfolder \mbox{handler}]$

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

folders[cookies]

Queries value: HKCU\software\microsoft\internet explorer[no3dborder] Queries value: HKLM\software\microsoft\internet explorer[no3dborder]

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

settings[urlencoding]

 $\label{thm:condition} Queries \ value: \\ HKCU \ software \ policies \ microsoft \ windows \ current version \ internet \\$

settings[urlencoding]

Queries value: HKLM\software\microsoft\internet

 $explorer\\ \verb|main| featurecontrol| feature_mime_handling[83497c45d30bcb551f5f55f3f63b6fa1.exe]|$

Queries value: HKLM\software\microsoft\internet explorer\main\featurecontrol\feature_mime_handling[*]

 $Queries \ value: \\ HKLM\ software\ microsoft\ ole[maximum allowed allocation size]$

Queries value: HKLM\software\microsoft\internet

explorer\main\featurecontrol\feature_restrict_res_to_lmz[83497c45d30bcb551f5f55f3f63b6fa1.exe]

Oueries value: HKLM\software\microsoft\internet

explorer\main\featurecontrol\feature_restrict_res_to_lmz[*]

Queries value: HKLM\software\microsoft\internet

 $explorer \verb|\main| featurecontrol| feature_mime_sniffing[83497c45d30bcb551f5f55f3f63b6fa1.exe]|$

Queries value: HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_mime_sniffing[*]

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

settings[istextplainhonored]

Queries value: HKLM\software\microsoft\internet

 $explorer \verb|\main| featurecontrol| feature_feeds[83497c45d30bcb551f5f55f3f63b6fa1.exe]|$

Queries value: HKLM\software\microsoft\internet

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

settings\5.0\cache[sessionstarttimedefaultdeltasecs]

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

settings\5.0\cache[signature]

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

settings\5.0\cache\content[peruseritem]

 $\label{thm:condition} Queries \ value: \\ HKLM \ software \ microsoft \ windows \ current version \ internet$

settings\5.0\cache\content[peruseritem]

Queries value:

 $\label{lem:hklmsoftware} HKLM \software \mbox{f1b32785-6fba-4fcf-9d55-7b8e7f157091} [category]$

Queries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ folder descriptions \ `\{f1b32785-6fba-4fcf-9d55-7b8e7f157091\} \ [name]$

Queries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ folder descriptions \ `\{f1b32785-6fba-4fcf-9d55-7b8e7f157091\} [parent folder]$

Oueries value

 $\label{thm:lms:loss} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\fills folderdescriptions \eqref{f1b32785-6fba-4fcf-9d55-7b8e7f157091} [description]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{f1b32785-6fba-4fcf-9d55-7b8e7f157091\} \ [relative path]$

Oueries value

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{f1b32785-6fba-4fcf-9d55-7b8e7f157091}[parsingname]

Oueries value

 $\label{lem:hklmsoftware} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \find \find \current \find \current \find \current \cur$

Oueries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{f1b32785-6fba-4fcf-9d55-7b8e7f157091\}[localized name]$

Oueries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{f1b32785-6fba-4fcf-9d55-7b8e7f157091\} \ [icon]$

Queries value:

 $\label{lem:hklmsoftware} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \fill 157091 \end{figure} folder descriptions \fill 157091 \end{fill} fold 157$

Queries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\fifth{1}{5}2785-6fba-4fcf-9d55-7b8e7f157091\fifth{1}{5}treamresource\figure{1}{2}$

Oueries value:

 $\label{thm:local-condition} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \ff1b32785-6fba-4fcf-9d55-7b8e7f157091 \[\script{stream} \sc$

Queries value:

Queries value:

 $\label{lem:hklmsoftware} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\fifth{1}{5}2785-6fba-4fcf-9d55-7b8e7f157091\fifth{1}{5}roamable\cite{1}{2}$

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{f1b32785-6fba-4fcf-9d55-7b8e7f157091\}[precreate]$

Oueries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\fifth{1}{5}2785-6fba-4fcf-9d55-7b8e7f157091\fifth{1}{5}tream\figure{1}{1}{5}$

Queries value:

 $\label{thm:local-problem} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \fill 157091 \cite{thm:local-problem} folder \c$

Queries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\fifth{1}{5}2785-6fba-4fcf-9d55-7b8e7f157091\fifth{1}{5}2785-7b8e7f157091\fifth{1}{5}2785-7b8e7f157091\fifth{1}{5}2785-7b8e7f157091\fifth{1}{5}2785-7b8e7f157091\fifth{1}{5}2785-7b8e7f157091\fifth{1}{5}2785-7b8e7f157091\fifth{1}{5}2785-7b8e7f157091\fifth{1}{5}2785-7b8e7f157091\fifth{1}{5}2785-7b8e7f157091\fifth{1}{5}2785-7b8e7f157091\fifth{1}{5}2785-7b8e7f1570$

Queries value:

 $\label{thm:microsoft} HKL^M\software\microsoft\windows\currentversion\explorer\folderdescriptions\{f1b32785-6fba-4fcf-9d55-7b8e7f157091\}\[foldertypeid]$

Queries value:

 $\label{thm:hammon} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \fine 1532785-6 fba-4 fcf-9 d55-7 b8e7 f157091 \cite{thm:hammon} [init folder \cite{hammon}]$

Queries value:

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

folders[local appdata]

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{5e6c858f-0e22-4760-9afe-ea3317b67173\} \ [category]$

Queries value:

 $HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus folder descriptions \setminus \{5e6c858f-0e22-4760-9afe-ea3317b67173\} \ [name]$

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{5e6c858f-0e22-4760-9afe-ea3317b67173}[parentfolder]

Queries value:

Queries value:

 $\label{lem:hklmsoftware} HKLM \software \mbox{$5e6c858f-0e22-4760-9afe-ea3317b67173} [relative path]$

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{5e6c858f-0e22-4760-9afe-ea3317b67173\} \ [parsing name]$

Queries value:

 $HKLM \ software \ `microsoft \ 'current version \ 'explorer \ 'folder descriptions \ '\{5e6c858f-0e22-4760-9afe-ea3317b67173\} [infotip]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \{5e6c858f-0e22-4760-9afe-ea3317b67173\} \ [localized name]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{5e6c858f-0e22-4760-9afe-ea3317b67173\} \ ficon 1$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{5e6c858f-0e22-4760-9afe-ea3317b67173\} \ [security]$

Oueries value

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{5e6c858f-0e22-4760-9afe-ea3317b67173\} \ [stream resource]$

Oueries value

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{5e6c858f-0e22-4760-9afe-ea3317b67173\} \ [stream resource type]$

Oueries value

 $\label{thm:microsoft} $$HKL^M\software\microsoft\windows\currentversion\explorer\folderdescriptions\{5e6c858f-0e22-4760-9afe-ea3317b67173\}[localredirectonly]$$

Oueries value

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\{5e6c858f-0e22-4760-9afe-ea3317b67173\}[roamable]}$

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{5e6c858f-0e22-4760-9afe-ea3317b67173\}[precreate]$

Oueries value:

 $\label{lem:hkklmsoftware} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{5e6c858f-0e22-4760-9afe-ea3317b67173\}[stream]}$

Queries value:

 $\label{lem:hklmsoftwaremicrosoft} HKLM \software \end{are} 173 \end{areware.} In the label \software \end{areware.} In the label \software \end{areware.} 173 \end{areware.} In the label \software \end{areware.} 174 \end{$

Queries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\{5e6c858f-0e22-4760-9afe-ea3317b67173\}[attributes]}$

Oueries value:

 $\label{thm:local-condition} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \folder \fold$

Queries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\{5e6c858f-0e22-4760-9afe-ea3317b67173\}[initfolderhandler]}$

Queries value: HKLM\software\microsoft\windows nt\currentversion\profilelist\s-1-5-21-2160590473-689474908-1361669368-1002[profileimagepath]

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

settings\5.0\cache\content[cacheprefix]

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

settings\5.0\cache\content[cachelimit]

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

settings\5.0\cache\cookies[peruseritem]

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

settings\5.0\cache\cookies[peruseritem]

Queries value:

 $\label{lem:hkkm} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[category]$

Oueries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[name]$

Queries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folder descriptions \currentversion\explorer\folder descriptions \currentversion\explorer\folder descriptions \currentversion\explorer\folder\f$

Queries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions \currentversion\explorer\folderdescriptions \currentversion\explorer\folderdescriptions \currentversion\explorer\folderdescriptions \currentversion\explorer\folderdescriptions \currentversion\explorer\folderdescription\explorer\folderdescription\explorer\folderdescription\explorer\folderdescription\explorer\folderdescription\explorer\folderdescription\explorer\explor$

Queries value:

 $\label{lem:hklmsoftware} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \explorer \folder descriptions \folder \$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\} \ [parsing name]$

Queries value:

 $\label{lem:hklmsoftwaremicrosoftwindows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[infotip]} In the context of the$

Queries value:

a03a-e3ef65729f3d}[localizedname]

Queries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[icon]$

Queries value:

 $\label{lem:hklmsoftware} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[security]$

Oueries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\} \ [stream resource]$

Oueries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[streamresourcetype]$

Oueries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\} \ [local redirector \]$

Queries value:

 $\label{lem:hklmsoftware} Hklm\software\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[roamable]}$

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[precreate]$

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[stream]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\} \ [publish \ expanded path]$

Oueries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\} \ [attributes]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\} \ [folder type id]$

Oueries value:

 $\label{lem:hklm} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d}\ \cite{1.0cm} Initfolder\cite{1.0cm} and \cite{1.0cm} and \c$

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

folders[appdata]

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

settings\5.0\cache\cookies[cacheprefix]

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

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]

Queries value:

 $\label{lem:hkkkk} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432e-a781-5a1130a75963\}\category\]$

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{d9dc8a3b-b784-432e-a781-5a1130a75963\} \ [name]$

Queries value:

 $\label{lem:hklm} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432e-a781-5a1130a75963\}\ [parentfolder]$

Oueries value:

Queries value:

 $\label{lem:hklm} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432e-a781-5a1130a75963\}[relativepath]}$

Queries value:

 $\label{lem:hklmsoftwaremicrosoftwindows} In the constant of the constant of$

Queries value:

 $\label{lem:hkk} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432e-a781-5a1130a75963\}[infotip]} \\$

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{d9dc8a3b-b784-432e-a781-5a1130a75963\} \ [localized name]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{d9dc8a3b-b784-432e-a781-5a1130a75963\} \ [icon]$

Queries value:

 $\label{lem:hkkm} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432e-a781-5a1130a75963\}[security]}$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{d9dc8a3b-b784-432e-a781-5a1130a75963\} \ [stream resource]$

Queries value:

 $HKLM \software \microsoft \windows \current version \explorer \folder descriptions \folder \descriptions \folder \folder \folder \descriptions \folder \folder$

Oueries value: a781-5a1130a75963}[localredirectonly] Queries value: $HKLM \ software \ `microsoft \ 'windows \ 'current version' \ explorer \ 'folder descriptions \ '\{d9dc8a3b-b784-432e-d74b, d9dc8a3b-b784-432e-d74b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a$ a781-5a1130a75963}[roamable] Oueries value: a781-5a1130a75963}[precreate] Oueries value: $HKLM \ software \ `microsoft \ 'windows \ 'current version' \ explorer \ 'folder descriptions \ '\{d9dc8a3b-b784-432e-d74b, d9dc8a3b-b784-432e-d74b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a4b, d9dc8a$ a781-5a1130a75963}[stream] Queries value: HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432ea781-5a1130a75963}[publishexpandedpath] Oueries value: HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432ea781-5a1130a75963}[attributes] Queries value: $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{d9dc8a3b-b784-432e-draward \ and \ and$ a781-5a1130a75963}[foldertypeid] Queries value: a781-5a1130a75963}[initfolderhandler] HKCU\software\microsoft\windows\currentversion\explorer\user shell Queries value: folders[history] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings\5.0\cache\history[cacheprefix] Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\history[cachelimit] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\5.0\cache\extensible cache\domstore[cacherepair] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings\5.0\cache\extensible cache\domstore[cachepath] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\domstore[cacheprefix] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\5.0\cache\extensible cache\domstore[cachelimit] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings\5.0\cache\extensible cache\domstore[cacheoptions] Queries value: $\label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\$ settings\5.0\cache\extensible cache\feedplat[cacherepair] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\5.0\cache\extensible cache\feedplat[cachepath] Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\feedplat[cacheprefix] Queries value: $\label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\$ settings\5.0\cache\extensible cache\feedplat[cachelimit] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\5.0\cache\extensible cache\feedplat[cacheoptions] Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\iecompat[cacherepair] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\iecompat[cachepath] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\5.0\cache\extensible cache\iecompat[cacheprefix] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\iecompat[cachelimit] Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\iecompat[cacheoptions]

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

settings\5.0\cache\extensible cache\ietld[cacherepair]

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

settings\5.0\cache\extensible cache\ietld[cachepath]

Queries value: HKCU\software\microsoft\windows\currentversion\internet 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: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\ietld[cacheoptions]

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

settings\5.0\cache\extensible cache\privacie:[cacherepair]

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

settings\5.0\cache\extensible cache\privacie:[cachepath]

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

settings\5.0\cache\extensible cache\privacie:[cacheprefix]

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

settings\5.0\cache\extensible cache\privacie:[cachelimit]

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

settings\5.0\cache\extensible cache\privacie:[cacheoptions] Queries value: HKCU\software\microsoft\windows\currentversion\internet

settings[fromcachetimeout]

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

```
settings[secureprotocols]
                           HKCU\software\policies\microsoft\windows\currentversion\internet
 Oueries value:
settings[secureprotocols]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[secureprotocols]
 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[certificaterevocation]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[disablekeepalive]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[disablepassport]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[idnenabled]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[cachemode]
                           HKLM\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[enablehttp1_1]
 Queries value:
                           HKCU\software\policies\microsoft\windows\currentversion\internet
settings[enablehttp1_1]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[enablehttp1_1]
                           HKLM\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[proxyhttp1.1]
                           HKCU\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[proxyhttp1.1]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[proxyhttp1.1]
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 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]
                           \label{lem:hkcu} \verb+KKCU \software \verb+microsoft + windows + current version + internet \\
 Queries value:
settings[clientauthbuiltinui]
 Oueries value:
                           HKCU\software\policies\microsoft\windows\currentversion\internet
settings[enableautoproxyresultcache]
                           HKCU\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[displayscriptdownloadfailureui]
                           HKCU\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[mbcsservername]
 Queries value:
                           HKCU\software\policies\microsoft\windows\currentversion\internet
settings[mbcsapiforcrack]
                           HKCU\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[utf8servernameres]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[disableworkerthreadhibernation]
 Queries value:
                           HKLM\software\microsoft\windows\currentversion\internet
settings[disableworkerthreadhibernation]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[disablereadrange]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[socketsendbufferlength]
 Queries value:
                           \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\linear}} \mbox{\tt internet}
settings[socketreceivebufferlength]
 Oueries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[keepalivetimeout]
                           HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[maxhttpredirects]
 Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[maxconnectionsperserver]
                           HKLM\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[maxconnectionsperserver]
 Oueries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[maxconnectionsper1_0server]
 Queries value:
                           HKLM\software\microsoft\windows\currentversion\internet
settings[maxconnectionsper1_0server]
 Oueries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[maxconnectionsperproxy]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[serverinfotimeout]
 Queries value:
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settings[connecttimeout]
                           HKLM\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[connecttimeout]
 Oueries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[connectretries]
 Queries value:
                           HKLM\software\microsoft\windows\currentversion\internet
settings[connectretries]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[sendtimeout]
```

```
Oueries value:
                             HKLM\software\microsoft\windows\currentversion\internet
settings[sendtimeout]
 Queries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[receivetimeout]
                             HKLM\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[receivetimeout]
 Queries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[disablentlmpreauth]
 Queries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[scavengecachelowerbound]
                             HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[certcachenovalidate]
                            HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\5.0\cache[scavengecachefilelifetime]
                             HKCU\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings\5.0\cache[scavengecachefilelimit]
                            HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\5.0\cache[scavengecachefilelimit]
                            HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings\5.0\cache[scavengecachefilelimit]
                             HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[httpdefaultexpirytimesecs]
                             HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[ftpdefaultexpirytimesecs]
                             HKLM\software\microsoft\internet
 Queries value:
explorer \verb|\main| featurecontrol| feature_disable_unicode_handle_closing_callback[83497c45d30bcb551f5f55f3f63b6fa1.exe]|
                             HKLM\software\microsoft\internet
 Queries value:
explorer\main\featurecontrol\feature_disable_unicode_handle_closing_callback[*]
 Oueries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[disablecachingofsslpages]
                             HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[perusercookies]
                             HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[leashlegacycookies]
                             \label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\
 Oueries value:
settings[dialupuselansettings]
                            HKLM\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[dialupuselansettings]
                             HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[sendextracrlf]
 Queries value:
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settings[wpadsearchalldomains]
                             HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[bypasshttpnocachecheck]
                             HKLM\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[bypasshttpnocachecheck]
 Queries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[bypasssslnocachecheck]
 Oueries value:
                            HKLM\software\microsoft\windows\currentversion\internet
settings[bypasssslnocachecheck]
 Oueries value:
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settings[enablehttptrace]
 Queries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[nocheckautodialoverride]
                            HKLM\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[nocheckautodialoverride]
 Oueries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[dontusednsloadbalancing]
 Queries value:
                             HKLM\software\microsoft\windows\currentversion\internet
settings[dontusednsloadbalancing]
                            HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings[sharecredswithwinhttp]
 Queries value:
                             \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\linearing}} \mbox{\tt internet}
settings[mimeexclusionlistforcache]
 Queries value:
                             \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\linearing}} \mbox{\tt internet}
settings[headerexclusionlistforcache]
                            HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[dnscacheenabled]
 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[dnscacheentries]
 Queries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[dnscachetimeout]
                             HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[warnonpost]
 Queries value:
                             HKCU\software\microsoft\windows\currentversion\internet
settings[warnalwaysonpost]
 Queries value:
                             \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\linearing}} \mbox{\tt internet}
settings[warnonzonecrossing]
                            HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[warnonbadcertrecving]
 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[warnonpostredirect]
```

HKCU\software\microsoft\windows\currentversion\internet

Queries value:

settings[alwaysdrainonredirect] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings[warnonhttpstohttpredirect] Queries value: HKLM\software\microsoft\windows\currentversion\internet settings[tcpautotuning] Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters[winsock_registry_version] Oueries value: HKLM\system\currentcontrolset\services\winsock2\parameters[namespace_callout] Oueries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[serial_access_num] Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[next_catalog_entry_id] Oueries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[num_catalog_entries] Oueries value: Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000002[packedcatalogitem] Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000003[packedcatalogitem] Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000004[packedcatalogitem] Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000005[packedcatalogitem] Queries value: $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ protocol_catalog \ entries \ (0000000000006 [packed catalog item]) \ details \$ Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000008[packedcatalogitem] Queries value: Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000011[packedcatalogitem] Oueries value: $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ protocol_catalog \ entries \ (0000000000012 [packed catalog item]) \ details \$ Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000014[packedcatalogitem] Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000015[packedcatalogitem] Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000017[packedcatalogitem] Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000018[packedcatalogitem] Oueries value: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5[serial_access_num] Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5[num_catalog_entries] Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[librarypath] Oueries value: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[displaystring] Oueries value: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[addressfamily] Oueries value: $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space_catalog 5 \ (catalog_entries \ 000000000001[supported name space]$ Queries value: Oueries value: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[storesserviceclassinfo] HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[providerinfo] Queries value: $HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ namespace _catalog5 \ catalog_entries \ 000000000002 [library path]$ Oueries value: $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space_catalog 5 \ (catalog_entries \ 000000000002 \ [displaystring]$ Oueries value: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[providerid] Oueries value: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[addressfamily]

 $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space_catalog 5 \ (catalog_entries \ 0000000000002[supported name space]$

Oueries value:

Oueries value:

- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[enabled]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[version]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000002[storesserviceclassinfo]

 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[providerinfo]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000003[librarypath]
 Oueries value:
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 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[providerid]
 Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[addressfamily]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[supportednamespace]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000003[enabled]
 Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000003[version]
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000003[storesserviceclassinfo] Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000003[providerinfo]
 Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[librarypath] Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000004[displaystring]
 Oueries value:
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 Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000004[addressfamily]
 Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000004[supportednamespace]
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- $HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ namespace_catalog 5 \ catalog_entries \ 00000000000004 \ [version] \ Oueries \ value:$
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- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[providerinfo]
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- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000005[librarypath] Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[displaystring]
 Oueries value:
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 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[addressfamily]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[supportednamespace]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[enabled] Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000005[version]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[storesserviceclassinfo]

 Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[providerinfo]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006[librarypath]
 Oueries value:
- $HKLM \ system \ current controls et \ services \ winsock 2 \ parameters \ names pace_catalog 5 \ catalog_entries \ 00000000000006 \ [displaystring] \ Oueries \ value:$
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006[providerid]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006[addressfamily]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006[supportednamespace]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006[enabled]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006[version]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006[storesserviceclassinfo] Queries value:
- $\label{lem:hklmsystem} HKLM \system \current controls et \services \winsock 2 \parameters \namespace_catalog 5 \catalog_entries \namespace_catal$
- $\label{lem:hklmsystem} HKLM \system \current controls et \services \winsock 2 \parameters \current substitution \system \system \system \current \system \sy$

```
HKLM\system\currentcontrolset\services\winsock2\parameters[ws2_32spincount]
                           HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\wpad[wpadoverride]
  Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[enableautodial]
  Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[nonetautodial]
                           \label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\
 Oueries value:
settings[globaluseroffline]
                           \label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\
  Queries value:
settings[badproxyexpirestime]
  Queries value:
                           \label{lem:hklm} \verb+ HKLM \software \microsoft \windows \current version \cite{thmosoft} internet
settings[disablebranchcache]
  Oueries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[proxyenable]
  Queries value:
                           HKLM\software\microsoft\windows\windows error reporting\wmr[disable]
  Queries value:
                           HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_safe_bindtoobject[83497c45d30bcb551f5f55f3f63b6fa1.exe]
  Queries value:
                           HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_safe_bindtoobject[*]
  Queries value:
                           HKCR\clsid\{25336920-03f9-11cf-8fd0-00aa00686f13}\progid[]
  Queries value:
                           HKCR\clsid\{25336920-03f9-11cf-8fd0-00aa00686f13}[]
                           HKCR\clsid\{25336920-03f9-11cf-8fd0-
  Queries value:
00aa00686f13}\inprocserver32[inprocserver32]
                           HKCR\clsid\{25336920-03f9-11cf-8fd0-00aa00686f13}\inprocserver32[]
  Oueries value:
  Oueries value:
                           HKCR\clsid\{25336920-03f9-11cf-8fd0-
00aa00686f13}\inprocserver32[threadingmodel]
  Queries value:
                           HKCU\software\microsoft\windows
nt\currentversion\windows[dragscrollinset]
  Queries value:
                           HKCU\software\microsoft\windows
nt\currentversion\windows[dragscrolldelay]
                           HKCU\software\microsoft\windows
  Queries value:
nt\currentversion\windows[dragscrollinterval]
  Queries value:
                           HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_restrict_filedownload[83497c45d30bcb551f5f55f3f63b6fa1.exe]
                           HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_restrict_filedownload[*]
  Queries value:
                           HKCR\protocols\handler\about[clsid]
  Queries value:
                           HKCR\clsid\{3050f406-98b5-11cf-bb82-00aa00bdce0b}[]
  Queries value:
                           HKCR\clsid\{3050f406-98b5-11cf-bb82-
00aa00bdce0b}\inprocserver32[inprocserver32]
                           HKCR\clsid\{3050f406-98b5-11cf-bb82-00aa00bdce0b}\tinprocserver32[]
  Queries value:
  Queries value:
                           HKCR\clsid\{3050f406-98b5-11cf-bb82-
00aa00bdce0b}\inprocserver32[threadingmodel]
                           HKLM\software\microsoft\internet
  Oueries value:
explorer\main\featurecontrol\feature_protocol_lockdown[83497c45d30bcb551f5f55f3f63b6fa1.exe]
  Queries value:
                           HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_protocol_lockdown[*]
  Oueries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[2106]
                           HKCU\software\microsoft\internet explorer\zoom[zoomdisabled]
  Oueries value:
                           HKLM\software\policies\microsoft\internet explorer[smartdithering]
  Oueries value:
  Queries value:
                           HKCU\software\microsoft\internet explorer[smartdithering]
                           HKCU\software\microsoft\internet explorer[rtfconverterflags]
  Queries value:
  Oueries value:
                           HKCU\software\microsoft\internet explorer\main[usecleartype]
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[page_transitions]
                           HKCU\software\microsoft\internet explorer\main[use_dlgbox_colors]
  Oueries value:
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[anchor underline]
                           \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\internet explorer\mbox{\tt main[css\_compat]}} \\
  Oueries value:
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[expand alt text]
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[display inline images]
                           \label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ internet\ explorer\+ main[display\ inline\ videos]
  Oueries value:
                           HKLM\software\microsoft\internet explorer\main[display inline videos]
  Queries value:
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[play_background_sounds]
                           HKCU\software\microsoft\internet explorer\main[play_animations]
  Oueries value:
                           HKCU\software\microsoft\internet explorer\main[print_background]
  Oueries value:
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[use stylesheets]
  Oueries value:
                           HKCU\software\microsoft\internet explorer\main[smoothscroll]
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[xmlhttp]
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[show image placeholders]
                           HKCU\software\microsoft\internet explorer\main[disable script debugger]
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[disablescriptdebuggerie]
  Oueries value:
  Oueries value:
                           HKCU\software\microsoft\internet explorer\main[move system caret]
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[force offscreen
composition]
  Oueries value:
                           HKCU\software\microsoft\internet explorer\main[enable autoimageresize]
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[usethemes]
                           HKCU\software\microsoft\internet explorer\main[usehr]
  Oueries value:
                           HKCU \setminus software \setminus microsoft \setminus internet explorer \setminus main[q300829]
  Oueries value:
  Oueries value:
                           HKCU\software\microsoft\internet explorer\main[cleanup htcs]
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[xdomainrequest]
                           HKLM\software\microsoft\internet explorer\main[xdomainrequest]
  Oueries value:
  Queries value:
                           HKCU\software\microsoft\internet explorer\main[domstorage]
```

HKCU\software\microsoft\internet Oueries value:

explorer\international[default_codepage]

HKCU\software\microsoft\internet explorer\international[autodetect] Oueries value:

Queries value: HKCU\software\microsoft\internet explorer\international\scripts[default iefontsizeprivate]

Queries value: HKCU\software\microsoft\internet explorer\settings[anchor color]

HKCU\software\microsoft\internet explorer\settings[anchor color visited] Oueries value: Oueries value: HKCU\software\microsoft\internet explorer\settings[anchor color hover] Oueries value: HKCU\software\microsoft\internet explorer\settings[always use my colors] Queries value: HKCU\software\microsoft\internet explorer\settings[always use my font

size1

Queries value: HKCU\software\microsoft\internet explorer\settings[always use my font

face1

HKCU\software\microsoft\internet explorer\settings[disable visited Queries value:

hyperlinks]

Queries value: HKCU\software\microsoft\internet explorer\settings[use anchor hover

colorl Queries value: HKCU\software\microsoft\internet explorer\settings[miscflags] Queries value: HKCU\software\microsoft\windows\currentversion\policies[allow

programmatic cut_copy_paste]

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

settings[disablecachingofsslpages]

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

settings[disablecachingofsslpages]

HKCU\software\microsoft\internet explorer\pagesetup[print_background] Queries value:

HKLM\system\currentcontrolset\control\nls\codepage[950] Oueries value:

Queries value: HKCU\software\microsoft\internet explorer\international\scripts\3[iefontsize]

HKCU\software\microsoft\internet Oueries value: explorer\international\scripts\3[iefontsizeprivate] HKCU\software\microsoft\internet Oueries value: explorer\international\scripts\3[iepropfontname]

HKCU\software\microsoft\internet Queries value: explorer\international\scripts\3[iefixedfontname]

HKCU\software\microsoft\internet explorer\international[acceptlanguage] Oueries value:

Queries value: HKLM\software\microsoft\internet explorer\version vector[ie] Queries value: HKLM\software\microsoft\internet explorer\version vector[vml]

HKLM\software\microsoft\internet explorer\version vector[windowsedition] Oueries value:

HKLM\software\microsoft\internet Queries value:

explorer\main\featurecontrol\feature_zone_elevation[83497c45d30bcb551f5f55f3f63b6fa1.exe]

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

explorer\main\featurecontrol\feature_sslux[83497c45d30bcb551f5f55f3f63b6fa1.exe]

HKLM\software\microsoft\internet Oueries value:

explorer\main\featurecontrol\feature_sslux[*]

Queries value: HKLM\software\microsoft\internet

explorer\main\featurecontrol\feature_browser_emulation[83497c45d30bcb551f5f55f3f63b6fa1.exe]

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

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

settings\zones\0[27001

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

settings\zones\0[2700]

HKLM\software\microsoft\internet Oueries value:

explorer\main\featurecontrol\feature_xssfilter[83497c45d30bcb551f5f55f3f63b6fa1.exe]

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

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

settings\zones[securitysafe]

Queries value: HKCU\software\microsoft\internet explorer\main[noprotectedmodebanner]

Oueries value: Ofb58b01c4a4}\languageprofile\0x00000000\{0001bea3-ed56-483d-a2e2-aeae25577436}[enable]

HKLM\software\microsoft\ctf[enableanchorcontext] Oueries value:

Oueries value: HKLM\software\microsoft\internet

explorer\main\featurecontrol\feature_mshtml_autoload_ieframe[83497c45d30bcb551f5f55f3f63b6fa1.exe]

Queries value: HKLM\software\microsoft\internet explorer\main\featurecontrol\feature_mshtml_autoload_ieframe[*]

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\zones\0[2106]

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

settings\zones\0[2106]

Oueries value: HKCU\software\microsoft\internet explorer\ietld[ietlddllversionlow] Oueries value: HKCU\software\microsoft\internet explorer\ietld[ietlddllversionhigh] Queries value: HKCU\software\microsoft\internet explorer\ietld[ietldversionlow] Oueries value: HKCU\software\microsoft\internet explorer\ietld[ietldversionhigh] Queries value: HKLM\software\policies\microsoft\windows\currentversion\internet

settings[cointernetcombineiuricachesize]

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

settings[cointernetcombineiuricachesize]

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[cointernetcombineiuricachesize]

Queries value: $\label{lem:hklm} \verb+ HKLM \software \microsoft \windows \current version \cite{thmosoft} internet$

```
settings[cointernetcombineiuricachesize]
                         HKLM\software\microsoft\internet
 Oueries value:
explorer\\ \texttt{main} \texttt{featurecontrol} \texttt{feature\_shim\_mshelp\_combine[83497c45d30bcb551f5f55f3f63b6fa1.exe]}
 Queries value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_shim_mshelp_combine[*]
 Queries value:
                         HKLM\software\microsoft\tracing[enableconsoletracing]
 Oueries value:
HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasapi32[enablefiletracing]
 Oueries value:
HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasapi32[filetracingmask]
 Oueries value:
HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasapi32[enableconsoletracing]
 Oueries value:
HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasapi32[consoletracingmask]
 Queries value:
HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasapi32[maxfilesize]
 Oueries value:
HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasapi32[filedirectory]
                          HKLM\software\microsoft\windows
 Queries value:
nt\currentversion\profilelist[programdata]
 Queries value:
HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasmancs[enablefiletracing]
 Oueries value:
HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasmancs[filetracingmask]
 Queries value:
HKLM \ software \ microsoft \ tracing \ 83497c45d30bcb551f5f55f3f63b6fa1\_rasmancs[enable consoletracing]
HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasmancs[consoletracingmask]
 Oueries value:
HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasmancs[maxfilesize]
 Oueries value:
HKLM\software\microsoft\tracing\83497c45d30bcb551f5f55f3f63b6fa1_rasmancs[filedirectory]
                          HKLM\software\microsoft\sqmclient\windows\disabledprocesses[b798a23b]
 Queries value:
                          HKLM\system\currentcontrolset\control\sqmservicelist[sqmservicelist]
 Oueries value:
HKLM\software\microsoft\sqmclient\windows\disabledsessions[machinethrottling]
 Oueries value:
HKLM\software\microsoft\sqmclient\windows\disabledsessions[globalsession]
                          HKLM\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[proxysettingsperuser]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[migrateproxy]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[proxyserver]
 Oueries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[proxyoverride]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings[autoconfigurl]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\connections[savedlegacysettings]
                          \label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet
 Oueries value:
settings\connections[defaultconnectionsettings]
 Queries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings[autoconfigcustomua]
                          HKCR\autoproxytypes\application/x-internet-signup[dllfile]
 Oueries value:
 Queries value:
                          HKCR\autoproxytypes\application/x-internet-signup[fileextensions]
 Oueries value:
                          HKCR\autoproxytypes\application/x-internet-signup[default]
 Oueries value:
                          HKCR\autoproxytypes\application/x-internet-signup[flags]
                          HKCR \verb|\| autoproxytypes \verb|\| application/x-ns-proxy-autoconfig[dllfile]|
 Oueries value:
                          HKCR\autoproxytypes\application/x-ns-proxy-autoconfig[fileextensions]
 Queries value:
 Queries value:
                          HKCR\autoproxytypes\application/x-ns-proxy-autoconfig[default]
 Oueries value:
                          \label{local-config} \begin{tabular}{ll} HKCR \autoproxy types \application/x-ns-proxy-autoconfig[flags] \end{tabular}
                          HKLM\system\currentcontrolset\services\winsock2\parameters[autodialdll]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\zonemap[autodetect]
HKLM\system\currentcontrolset\services\dnscache\parameters[queryadaptername]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disableadapterdomainname]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[usedomainnamedevolution]
HKLM\system\currentcontrolset\services\tcpip\parameters[usedomainnamedevolution]
 Queries value:
Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[prioritizerecorddata]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[prioritizerecorddata]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[allowunqualifiedquery]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[allowunqualifiedquery]
```

Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[hostname] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[appendtomultilabelname] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[screenbadtlds] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[screenunreachableservers] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[screendefaultservers] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[dynamicserverqueryorder] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[filterclusterip] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[waitfornameerroronall] HKLM\system\currentcontrolset\services\dnscache\parameters[useedns] Queries value: Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[dnssecurenamequeryfallback] Queries value: $HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [enable da for all networks]$ Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[directaccessqueryorder] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[queryipmatching] HKLM\system\currentcontrolset\services\dnscache\parameters[usehostsfile] Queries value: Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[addrconfigcontrol] Queries value: Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[disabledynamicupdate] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registerprimaryname] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registeradaptername] HKLM\system\currentcontrolset\services\tcpip\parameters[enableadapterdomainnameregistration] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registerreverselookup] HKLM\system\currentcontrolset\services\tcpip\parameters[domain] Queries value: Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[disablereverseaddressregistrations] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registerwanadapters] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[disablewandynamicupdate] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registrationttl] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationttl] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registrationrefreshinterval] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationrefreshinterval] 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] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[updatesecuritylevel] Queries value: $HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [update top level domain zones]$ Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[downcasespncauseapiowneristoolazy] Queries value: Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachesize] HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachettl] Oueries value: Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[maxnegativecachettl] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[adaptertimeoutlimit] Queries value: HKLM\system\currentcontrolset\services\winsock\parameters[transports] Oueries value: HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[mapping] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[serverprioritytimelimit] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachedsockets] Oueries value: $HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [enable multicast]$

Oueries value: Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[multicastsenderflags] Oueries value: $HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [multicasts endermax time out]$ Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[dnstest] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[usecompartments] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[cacheallcompartments] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[usenewregistration] Oueries value: HKLM\system\currentcontrolset\services\psched\parameters\winsock[mapping] HKLM\system\currentcontrolset\services\winsock\setup Queries value: migration\providers\psched[winsock 2.0 provider id] HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[mapping] Queries value: Queries value: Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[resolverregistrationonly] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[dnsquerytimeouts] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquerytimeouts] HKLM\system\currentcontrolset\services\dnscache\parameters[dnsquickquerytimeouts] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquickquerytimeouts] Oueries value: HKLM\svstem\currentcontrolset\services\winsock\setup migration\providers\tcpip[winsock 2.0 provider id] HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[minsockaddrlength] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[maxsockaddrlength] Oueries value: Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[helperdllname] Queries value: HKLM\system\currentcontrolset\services\winsock\setup migration\providers\tcpip6[winsock 2.0 provider id] Oueries value: HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[minsockaddrlength] Oueries value: HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[maxsockaddrlength] Queries value: Oueries value: HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[helperdllname] Oueries value: $HKLM \setminus system \setminus current control set \setminus services \setminus dnscache \setminus parameters \setminus dnscache [shutdown on idle]$ Queries value: HKLM\system\currentcontrolset\services\tcpip6\parameters\interfaces\{128919e8-8a5e-41d1-ac17c19ce8a73253}[searchlist] Queries value: HKLM\software\microsoft\windows\currentversion\internet settings\url history[daystokeep] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\zones\3[2700] HKCU\software\microsoft\windows\currentversion\internet Queries 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 Oueries value: 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] HKLM\software\microsoft\windows\currentversion\internet Oueries value: settings\5.0\user agent[version] Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings[user agent 1 Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\user agent[platform] Oueries value: HKLM\software\microsoft\windows\currentversion\internet settings\5.0\user agent[platform] Oueries value: HKLM\software\microsoft\internet $explorer \verb|\main\featurecontrol\feature_maxconnections perserver [83497c45d30bcb551f5f55f3f63b6fa1.exe]|$ Queries value: HKLM\software\microsoft\internet explorer\main\featurecontrol\feature_maxconnectionsperserver[*] Oueries value: HKLM\software\microsoft\internet

 $explorer \verb|\main| featurecontrol| feature_maxconnectionsper1_Oserver[83497c45d30bcb551f5f55f3f63b6fa1.exe]|$

Oueries value: HKLM\software\microsoft\internet

explorer\main\featurecontrol\feature_maxconnectionsper1_0server[*]

Oueries value:

HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{128919e8-8a5e-41d1-ac17-c19ce8a73253}[enabledhcp]

Queries value:

HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{128919e8-8a5e-41d1-ac17-c19ce8a73253}[registrationenabled]

Oueries value:

HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{128919e8-8a5e-41d1-ac17c19ce8a73253}[registeradaptername]

Queries value:

HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{128919e8-8a5e-41d1-ac17c19ce8a73253}[domain]

Queries value:

HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{128919e8-8a5e-41d1-ac17-c19ce8a73253}{dhcpdomainl

Queries value:

HKLM\system\currentcontrolset\services\tcpip6\parameters\interfaces\{128919e8-8a5e-41d1-ac17-c19ce8a73253}[dhcpv6domain]

Queries value:

 $\label{lem:hkkm} HKLM \system \current controlset \services \tcpip6 \parameters \interfaces \{128919e8-8a5e-41d1-ac17-c19ce8a73253\} \ [names erver]$

Queries value: HKCU\software\policies\microsoft\windows\currentversion\internet settings[enableutf8]

Queries value: HKLM\software\policies\microsoft\windows\currentversion\internet settings[securityidiuricachesize]

Queries value: HKCU\software\policies\microsoft\windows\currentversion\internet settings[securityidiuricachesize]

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

settings[securityidiuricachesize]

 $\label{thm:linear} Queries \ value: \\ HKLM\ software\ microsoft\ windows\ current version\ internet$

settings[securityidiuricachesize]

Queries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '\{128919e8-8a5e-41d1-ac17-c19ce8a73253\} \ [nameserver]$

Oueries value:

 $\label{lem:hkklm} HKLM \system \current control set \services \tcpip \parameters \interfaces \ \{128919e8-8a5e-41d1-ac17-c19ce8a73253\} \ [dhcpnameserver]$

Queries value:

 $\label{lem:hklmsystem} HKLM \system \controlset \ervices \tcpip\parameters \interfaces \ervices \erv$

Queries value:

HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{e29ac6c2-7037-11de-816d-806e6f6e6963}[registrationenabled]

Queries value:

Queries value:

 $\label{lem:hklmsystem} HKLM \system \current control set \services \tcpip \parameters \interfaces \end{e29} ac 6c 2-7037-11 de-816d-806e 6f 6e 6963 \end{e49} [domain]$

Queries value:

 $\label{lem:hklmsystem} HKLM \system \controlset \ervices \tcpip\parameters \interfaces \ervices \erv$

Queries value:

 $\label{local-bound} $HKLM \simeq \sum_{i=1}^{KLM \cdot system} \operatorname{local-bound} $06e6f6e6963} [nameserver] $$$

Queries value:

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

Queries value:

 $\label{lem:hklmsystem} HKLM \system \current control set \services \tcpip \parameters \ interfaces \ \{128919e8-8a5e-41d1-ac17-c19ce8a73253\} \ [queryadaptername]$

Queries value:

 $\label{lem:hklmsystem} HKLM \system \current controls et \services \tcpip \parameters \ interfaces \ \{128919e8-8a5e-41d1-ac17-c19ce8a73253\} \ [disable adapter domain name]$

Queries value:

 $\label{lem:hklmsystem} HKLM \system \current controls et \services \troip \parameters \ interfaces \ \{128919e8-8a5e-41d1-ac17-c19ce8a73253\} \ [registration maxaddress count]$

Queries value:

 $HKLM \ system \ current control set \ services \ tcpip \ parameters \ interfaces \ \{128919e8-8a5e-41d1-ac17-c19ce8a73253\} \ [maxnumber of addresses to register]$

Queries value:

 $\label{lem:hklmsystem} HKLM \system \current controls et \services \tcpip \parameters \interfaces \{128919e8-8a5e-41d1-ac17-c19ce8a73253\} [enable multicast]$

Queries value:

 $HKLM \ system \ current control set \ services \ trip \ parameters \ interfaces \ \{e29ac6c2-7037-11de-816d-806e6f6e6963\} \ [query adapter name]$

Queries value:

 $HKLM \ system \ current control set \ services \ topip \ parameters \ interfaces \ \{e29ac6c2-7037-11de-816d-806e6f6e6963\} \ [disable adapter domain name]$

Queries value:

```
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{e29ac6c2-7037-11de-816d-
806e6f6e6963}[disabledynamicupdate]
    Oueries value:
806e6f6e6963}[enableadapterdomainnameregistration]
    Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{e29ac6c2-7037-11de-816d-
806e6f6e6963}[registrationmaxaddresscount]
    Oueries value:
806e6f6e6963}[maxnumberofaddressestoregister]
    Queries value:
806e6f6e6963}[enablemulticast]
    Oueries value:
                                                        HKLM\system\currentcontrolset\services\tcpip\parameters[searchlist]
                                                        HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}[]
    Oueries value:
    Oueries value:
                                                        HKCR\clsid\{dcb00c01-570f-4a9b-8d69-
199fdba5723b}\inprocserver32[inprocserver32]
    Oueries value:
                                                        \label{localization} \begin{tabular}{ll} HKCR\clsid\\ dcb00c01-570f-4a9b-8d69-199fdba5723b\\ \label{localization} \end{tabular} \begin{tabular}{ll} HKCR\clsid\\ \end{tabular} \begin{tabular}{ll} Acceptaints & Acce
                                                        HKCR\clsid\{dcb00c01-570f-4a9b-8d69-
    Oueries value:
199fdba5723b}\inprocserver32[threadingmodel]
    Queries value:
                                                        HKLM\software\microsoft\rpc\extensions[ndroleextdll]
                                                        HKCR\clsid\{a47979d2-c419-11d9-a5b4-001185ad2b89}[]
    Oueries value:
    Queries value:
                                                        HKLM\software\microsoft\ole\appcompat[raisedefaultauthnlevel]
    Queries value:
                                                        HKLM\software\microsoft\ole[defaultaccesspermission]
    Queries value:
                                                        HKLM\system\currentcontrolset\control\lsa[everyoneincludesanonymous]
    Queries value:
                                                        \label{lem:hklm} \verb+Kklm\+ software\+ icrosoft\+ cryptography\+ defaults\+ provider\+ microsoft\+ strong
cryptographic provider[type]
                                                        \label{lem:hklm} \verb+Kklm\+ software\+ microsoft\+ cryptography\+ defaults\+ provider\+ microsoft\+ strong
    Oueries value:
cryptographic provider[image path]
    Queries value:
                                                        HKLM\system\currentcontrolset\control\lsa\fipsalgorithmpolicy[enabled]
    Queries value:
                                                        HKLM\system\currentcontrolset\control\lsa[fipsalgorithmpolicy]
    Queries value:
                                                        HKLM \verb|\software\policies\microsoft\cryptography[privkeycachemaxitems]|
    Queries value:
HKLM\software\policies\microsoft\cryptography[privkeycachepurgeintervalseconds]
    Queries value:
                                                        HKLM\software\policies\microsoft\cryptography[privatekeylifetimeseconds]
    Queries value:
                                                        HKLM\software\microsoft\cryptography[machineguid]
                                                        HKCR\interface\{00000134-0000-0000-c000-00000000046}\proxystubclsid32[]
    Oueries value:
    Queries value:
                                                        HKLM\software\microsoft\rpc\extensions[remoterpcdll]
    Queries value:
                                                        HKCR \ interface \ \{d0074ffd-570f-4a9b-8d69-199fdba5723b\} \ proxystubclsid32[]
                                                        HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-2299f0398e27}[]
    Oueries value:
                                                        HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-
    Queries value:
2299f0398e27}\inprocserver32[inprocserver32]
                                                       HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-2299f0398e27}\inprocserver32[]
    Queries value:
                                                        HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-
    Oueries value:
2299f0398e27}\inprocserver32[threadingmodel]
                                                        HKCR\interface\{26656eaa-54eb-4e6f-8f85-4f0ef901a406}\proxystubclsid32[]
    Oueries value:
    Queries value:
                                                        HKCR \ interface \ \{8a40a45d-055c-4b62-abd7-6d613e2ceaec\} \ proxystubclsid32[]
                                                        HKCR\interface\{55272a00-42cb-11ce-8135-00aa004bb851}\proxystubclsid32[]
    Oueries value:
                                                        HKCR\clsid\{b196b286-bab4-101a-b69c-00aa00341d07}[]
    Queries value:
                                                        HKCR\clsid\{b196b286-bab4-101a-b69c-
    Oueries value:
00aa00341d07}\inprocserver32[inprocserver32]
                                                        HKCR\clsid\{b196b286-bab4-101a-b69c-00aa00341d07}\inprocserver32[]
    Oueries value:
                                                        HKCR\clsid\{b196b286-bab4-101a-b69c-
    Queries value:
00aa00341d07}\inprocserver32[threadingmodel]
                                                        HKCR \land [bcd1de7e-2db1-418b-b047-4a74e101f8c1] \land [bcd1de7e7e-2db1-418b-b047-4a74e101f8c1] \land [bcd1de7e7e-2db1-418b-b047e100-418b-b047e100-418b-67e100-418b-67e100-418b-67e100-418b-67e100-418b-67e100-418b-67e100-418b-67e100-418b-67e100-418b-67e100-418b-67e100-418b-67e100-418b-67e100-4
    Queries value:
                                                        HKCR\interface\{2a1c9eb2-df62-4154-b800-63278fcb8037}\proxystubclsid32[]
    Oueries value:
    Oueries value:
                                                        HKCU\software\microsoft\windows\currentversion\internet
settings\wpad[wpadlastnetwork]
    Queries value:
                                                        HKCU\software\microsoft\windows\currentversion\internet
settings[autoproxydetecttype]
                                                       HKLM\software\microsoft\internet
    Queries value:
explorer\main\featurecontrol\feature_disable_legacy_compression[83497c45d30bcb551f5f55f3f63b6fa1.exe]
                                                        HKLM\software\microsoft\internet
    Oueries value:
explorer\main\featurecontrol\feature_disable_legacy_compression[*]
                                                        HKCR\clsid\{e569bde7-a8dc-47f3-893f-fd2b31b3eefd}[]
    Oueries value:
    Queries value:
                                                        HKCR\clsid\{e569bde7-a8dc-47f3-893f-
fd2b31b3eefd}\inprocserver32[inprocserver32]
    Queries value:
                                                        HKCR\clsid\{e569bde7-a8dc-47f3-893f-fd2b31b3eefd}\ \ inprocserver 32[]
    Queries value:
                                                        HKCR\clsid\{e569bde7-a8dc-47f3-893f-
fd2b31b3eefd}\inprocserver32[threadingmodel]
                                                        HKLM\software\policies\microsoft\windows\currentversion\internet
    Oueries value:
settings[warnonintranet]
    Queries value:
                                                        HKCU\software\policies\microsoft\windows\currentversion\internet
settings[warnonintranet]
    Oueries value:
                                                        HKCU\software\microsoft\windows\currentversion\internet
settings[warnonintranet]
                                                        HKCR\clsid\{50d5107a-d278-4871-8989-f4ceaaf59cfc}[]
    Oueries value:
                                                        HKCR\clsid\{50d5107a-d278-4871-8989-
    Oueries value:
f4ceaaf59cfc}\inprocserver32[inprocserver32]
    Queries value:
                                                        \label{local-eq:hkcr} $$ HKCR\clsid_{50d5107a-d278-4871-8989-f4ceaaf59cfc} \in \clsid_{50d5107a-d278-4871-8989-f4ceaaf59cfc} $$ In processor of the context 
    Oueries value:
                                                        HKCR\clsid\{50d5107a-d278-4871-8989-
```

f4ceaaf59cfc}\inprocserver32[threadingmodel]

```
Queries value:
                          HKCU\software\microsoft\internet explorer\recovery[autorecover]
 Oueries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\0[2000]
                          HKLM\software\microsoft\windows\currentversion\internet
 Queries value:
settings\zones\0[2000]
 Queries value:
                          HKLM\software\microsoft\internet explorer\feed discovery[sound]
                          HKCU\software\microsoft\ftp[use web based ftp]
 Oueries value:
                          HKLM\system\currentcontrolset\services\netbt\linkage[export]
 Oueries value:
 Oueries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[1a10]
                         HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\zones\3[{a8a88c49-5eb2-4990-a1a2-0876022c854f}]
 Queries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings[privacyadvanced]
 Queries value:
                         HKCR\mime\database\content type\text/html[extension]
 Queries value:
                          HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_subdownload_lockdown[83497c45d30bcb551f5f55f3f63b6fa1.exe]
 Queries value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_subdownload_lockdown[*]
                         HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\wpad\{228d30c5-2af6-45b6-bf55-65a88ac6a29a}[wpaddecision]
 Queries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings\wpad\{228d30c5-2af6-45b6-bf55-65a88ac6a29a}[wpaddecisiontime]
                         HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\wpad[wpadexpirationdays]
                         HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\wpad\{228d30c5-2af6-45b6-bf55-65a88ac6a29a}[wpaddecisionreason]
                         HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[privdiscuishown]
                          HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\zones\3[1400]
                         HKLM\software\microsoft\internet
 Queries value:
explorer\main\featurecontrol\feature_block_lmz_script[83497c45d30bcb551f5f55f3f63b6fa1.exe]
 Queries value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_block_lmz_script[*]
                          HKCR\clsid\{f414c260-6ac0-11cf-b6d1-00aa00bbbb58}\progid[]
 Queries value:
                         HKCR\clsid\{f414c260-6ac0-11cf-b6d1-00aa00bbbb58}[]
 Oueries value:
                         HKCR \ clsid \ \{f414c260-6ac0-11cf-b6d1-
 Oueries value:
00aa00bbbb58}\inprocserver32[inprocserver32]
                         HKCR\clsid\{f414c260-6ac0-11cf-b6d1-00aa00bbbb58}\inprocserver32[]
 Queries value:
 Oueries value:
                         HKCR\clsid\{f414c260-6ac0-11cf-b6d1-
00aa00bbbb58}\inprocserver32[threadingmodel]
 Oueries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[1201]
                         HKLM\software\microsoft\internet
 Oueries value:
explorer\main\featurecontrol\feature_use_windowedselectcontrol[83497c45d30bcb551f5f55f3f63b6fa1.exe]
 Queries value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_use_windowedselectcontrol[*]
 Oueries value:
                         HKCU\software\microsoft\windows script\settings[iitdebug]
                         HKCR\clsid\{3050f391-98b5-11cf-bb82-00aa00bdce0b}[]
 Queries value:
                         HKCR\clsid\{3050f391-98b5-11cf-bb82-
 Oueries value:
00aa00bdce0b}\inprocserver32[inprocserver32]
                         HKCR\clsid\{3050f391-98b5-11cf-bb82-00aa00bdce0b}\inprocserver32[]
 Oueries value:
                         HKCR\clsid\{3050f391-98b5-11cf-bb82-
 Queries value:
00aa00bdce0b}\inprocserver32[threadingmodel]
 Queries value:
                         HKLM\software\microsoft\internet explorer\abouturls[blank]
                         HKLM\software\microsoft\internet
 Oueries value:
explorer\main\featurecontrol\feature_restrict_about_protocol_ie7[83497c45d30bcb551f5f55f3f63b6fa1.exe]
 Queries value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_restrict_about_protocol_ie7[*]
 Queries value:
                         HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_block_lmz_img[83497c45d30bcb551f5f55f3f63b6fa1.exe]
                         HKLM\software\microsoft\internet
 Queries value:
explorer\main\featurecontrol\feature_block_lmz_img[*]
 Queries value:
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 Queries value:
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nt\currentversion\languagepack\surrogatefallback[plane1]
 Queries value:
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 Oueries value:
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 Queries value:
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HKLM\software\microsoft\windows

Queries value:

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  Value changes:
                                    settings\connections[defaultconnectionsettings]
  Value changes:
                                    \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \cite{thm:lem:hkcu} in terms to the lem of the l
settings\wpad[wpadlastnetwork]
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  Value changes:
                                    \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}.
```