Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details Host: mag2, Sample ID: 4, Task ID: 15

Task ID: 15 Risk Level: 3

Date Processed: 2016-03-29 03:27:45 (UTC)

62.46 seconds Processing Time:

Virtual Environment: IntelliVM

"c:\windows\temp\test12.jar.exe" **Execution Arguments:**

Sample ID: Type: basic Owner: admin Label: test12.jar

Date Added: 2016-03-29 03:27:44 (UTC) File Type: archive:jar:applet

File Size: 6213 bytes

0fa3c06281d3b260bfccbb5a22dd74c5

SHA256: 1b7e0322a81be961ebce33aaeb395124544cfb01a3ab54f23cf64400fb2b04c7

Description:

Pattern Matching Results

1 YARA score 1

2 ZIP archive format

3 Long sleep detected

Static Events

YARA rule hit: OI F2 YARA rule hit: Nonexecutable

Process/Thread Events

C:\Program Files\Internet Explorer\iexplore.exe ["C:\Program Creates process:

Files\Internet Explorer\iexplore.exe" "c:\windows\temp\test12.jar.html"]

Creates process: C:\Program Files\Internet Explore.exe ["C:\Program Files\Internet Explore.exe" SCODEF:2136 CREDAT:79873]

Creates process: C:\Program Files\Java\jre7\bin\jp2launcher.exe ["C:\Program

D__applet_launched=11299293636 -

 $X bootclass path/a:C:\PROGRA~1\Java\jre7\lib\qeploy.jar;C:\PROGRA~1\Java\jre7\lib\javaws.jar;C:\PROGRA~1\Java\jre7\lib\qplugin.jar$

-Djava.class.path=C:\PROGRA~1\Java\jre7\classes -Dsun.awt.warmup=true

sun.plugin2.main.client.PluginMain

write_pipe_name=jpi2_pid2204_pipe3,read_pipe_name=jpi2_pid2204_pipe2]

C:\Program Files\Java\jre7\bin\java.exe ["C:\Program Creates process:

Files\Java\jre7\bin\java.exe" -D_jvm_launched=11299418173 -D__applet_launched=11299293636 "-

 $X bootclass path/a: C: \PROGRA-1 \Java \jre7 \lib \eploy.jar; C: \PROGRA-1 \Java \jre7 \lib \jre7 \lib \plugin.jar" \lib \jre7 \jre7 \lib \jre7 \jre7$ -Djava.class.path=C:\\PROGRA~1\\Java\\jre7\\classes" -Dsun.awt.warmup=true

sun.plugin2.main.client.PluginMain

write_pipe_name=jpi2_pid2204_pipe3,read_pipe_name=jpi2_pid2204_pipe2]

Named Object Events

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

Creates mutex:

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

files!content.ie5!

Creates mutex:

\Sessions\1\BaseNamedObjects\c:!users!admin!appdata!roaming!microsoft!windows!cookies!

Creates mutex:

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

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

 $\verb|\Sessions|1| BaseNamedObjects| BrowserEmulation! SharedMemory! Mutex| \\$ Creates mutex:

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

\Sessions\1\BaseNamedObjects\RasPbFile Creates mutex:

Creates mutex: $\verb|\Sessions|1\BaseNamedObjects|\ConnHashTable<2136>_HashTable_Mutex|\\$

Creates mutex: \Sessions\1\BaseNamedObjects\ZonesCounterMutex Creates mutex: \Sessions\1\BaseNamedObjects\!IETld!Mutex Creates mutex: \Sessions\1\BaseNamedObjects\CicLoadWinStaWinSta0

 $\verb|\Sessions|1| BaseNamedObjects| MSCTF.CtfMonitorInstMutexDefault1| \\$ Creates mutex:

Creates mutex:

\Sessions\1\BaseNamedObjects\c:!users!admin!appdata!local!microsoft!feeds cache!

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

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

Creates mutex:

\Sessions\1\BaseNamedObjects\c:!users!admin!appdata!local!microsoft!windows!history!history.ie5!mshist012016032920160330!

Creates mutex: \Sessions\1\BaseNamedObjects__DDrawExclMode Creates mutex: \Sessions\1\BaseNamedObjects__DDrawCheckExclMode_ Creates mutex: \Sessions\1\BaseNamedObjects\IESQMMUTEX_0_208 Creates event: \Security\LSA_AUTHENTICATION_INITIALIZED

\KernelObjects\MaximumCommitCondition Creates event: \Sessions\1\BaseNamedObjects\Isolation Signal Registry Event (3C3FDA91-Creates event:

F55E-11E5-808F-080027DFC114, 0)

\Sessions\1\BaseNamedObjects\IE_EarlyTabStart_0x85c Creates event:

```
\Sessions\1\BaseNamedObjects\Isolation Signal Registry Event (3C3FDA92-
 Creates event:
F55E-11E5-808F-080027DFC114, 0)
```

Creates event: \BaseNamedObjects\SvcctrlStartEvent_A3752DX

\BaseNamedObjects\BFE_Notify_Event_{1539c075-1d8a-4ffd-a9f5-Creates event:

9234a0780ffc}

Creates event: \Sessions\1\BaseNamedObjects\OleDfRoot2730742308F677F0 \Sessions\1\BaseNamedObjects\MSCTF.CtfActivated.Default1 Creates event: \Sessions\1\BaseNamedObjects\OleDfRootAB791DE8EB9B4BEE Creates event: Creates event: \Sessions\1\BaseNamedObjects\IEFrame.EventCheckDefaultBrowser \Sessions\1\BaseNamedObjects\jpi2_pid2204_evt1 Creates event:

Creates event: \BaseNamedObjects\ConsoleEvent-0x00000970

Creates event: \BaseNamedObjects\BFE_Notify_Event_{1bfb24d6-efdb-41be-b62d-

e9942ea72216}

Creates:

Creates: Creates:

\Sessions\1\BaseNamedObjects\IEFrame!GetAsvncKevStateOuerv!2136 Creates semaphore: \Sessions\1\BaseNamedObjects\IEFrame!GetAsyncKeyStateReply!2136 Creates semaphore:

File System Events

Creates C:\Users\Admin Creates: C:\Users\Admin\AppData\Local Creates: C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet Files C:\Users\Admin\AppData\Roaming C:\Users\Admin\AppData\Roaming\Microsoft\Windows\Cookies Creates: Creates: C:\Users\Admin\AppData\Local\Microsoft\Windows\History Creates: C:\Users\Admin\Favorites Creates: C:\Users\Admin\AppData\Roaming\Microsoft\Windows\PrivacIE Creates: Creates: C:\Users\Admin\AppData\Roaming\Microsoft\Windows\IECompatCache ${\tt C:\Wsers\Admin\AppData\Roaming\Microsoft\Windows\IETld\Cache}$ Creates: ${\tt C:\Users\Admin\AppData\Local\Microsoft\Windows\Caches}$ Creates: Creates: ${\tt C:\Users\Admin\AppData\Local\Microsoft\Internet}$ Creates: C:\Users\Admin\AppData\Local\Temp\~DFFDFA8246376A043E.TMP Creates: C:\Users\Admin\AppData\Local\Microsoft\Internet Explorer\Recovery\High\Active\{3C3FDA94-F55E-11E5-808F-080027DFC114}.dat Creates: Creates: C:\Users\Admin\AppData\Local\Temp\hsperfdata_Admin

Creates: C:\Users\Admin\AppData\Local\Temp\hsperfdata_Admin\2204 Creates

Creates: C:\Users\Admin\AppData\Local\Temp\hsperfdata_Admin\2408

C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\0 Creates: Creates: $C: \Users \land Admin \land PpData \land UocalLow \land Sun \land Java \land Deployment \land cache \land 6.0 \land 1$ Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\2 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\3 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\4 C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\5 Creates: Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\6 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\7 C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\8 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\9 Creates: Creates: Creates:

C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\10 C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\11 $\label{locallow} C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\12$ Creates: Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\13 Creates: $C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\14$ Creates: $\label{locallow} C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache § 6.0\15 \\$ Creates: $\label{locallow} C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\16$ Creates: $C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\17$ Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\18 Creates: $\label{locallow} C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\19$ Creates: $C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache \6.0\20$ Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\21 Creates: $C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\22$ Creates: $\label{locallowSunJavaDeployment} C: \Users \land Admin \land App Data \land Local Low \land Sun \land Java \land Deployment \land Cache \land C. \land Cache \land Cache \land C. \land Cache \land Cache$ Creates: Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\26 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\27 Creates: Creates:

Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\29 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\30 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\31 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\32 C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\33 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\34 Creates: Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\35 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\36 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\37 Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\38 $C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache \6.0\39$ Creates: Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\40 Creates: $C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache \6.0\41$ Creates: $\label{locallow} C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache § 6.0 42 and $1.00 + 1.00$. Admin $$ (2.00 + 1.00) $$ (2.00 + 1.$ Creates: $\label{locallow} C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\43$ Creates: $C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\44$ Creates: C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\45 Creates: $\label{locallow} C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache § 6.0 46 \\$

 $C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache \6.0\47$ C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\48

C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\49

```
Creates:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\50
 Creates:
                         Creates:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\52
 Creates:
                         C: \label{locallowSunJavaDeployment} $$C: \USers \Admin \AppData \LocalLow \Sun \Java \Deployment \Cache \6.0 \53 $$
 Creates:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\55
 Creates:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\56
 Creates:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\57
 Creates:
 Creates:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\58
 Creates:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\59
 Creates:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\60
 Creates:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\61
 Creates:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\62
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\63
 Creates:
 Opens:
                         C:\Windows\Prefetch\IEXPLORE.EXE-908C99F8.pf
 Opens:
 Opens:
                         C:\Program Files
                         C:\Program Files\Common Files
 Opens:
 Opens:
                         C:\Program Files\Common Files\Adobe
 Opens:
                         C:\Program Files\Common Files\Adobe\Acrobat
                         C:\Program Files\Common Files\Adobe\Acrobat\ActiveX
 Opens:
 Opens:
                         C:\Program Files\Internet Explorer
                         C:\Program Files\Internet Explorer\en-US
 Opens:
 Opens:
                         C:\Users
 Opens:
                         C:\Users\Admin
 Opens:
                         C:\Users\Admin\AppData
 Opens:
                         C:\Users\Admin\AppData\Local
 Opens:
                         C:\Users\Admin\AppData\LocalLow
 Opens:
                         C:\Users\Admin\AppData\LocalLow\Sun
 Opens:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java
 Opens:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\tmp
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft
 Opens
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Caches
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\History
 Opens:
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\History\History.IE5
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet Files
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Content.IE5
                         C:\Users\Admin\AppData\Roaming
C:\Users\Admin\AppData\Roaming\Microsoft
 Opens:
 Opens:
                         C:\Users\Admin\AppData\Roaming\Microsoft\Windows
 Opens:
                         C:\Users\Admin\AppData\Roaming\Microsoft\Windows\Cookies
 Opens:
 Opens:
                         C:\Users\Admin\Desktop
 Opens:
                         C:\Windows
                         C:\Windows\Fonts
 Opens:
 Opens:
                         C:\Windows\Globalization
                         C:\Windows\Globalization\Sorting
 Opens:
 Opens:
                         C:\Windows\System32
 Opens:
                         C:\Windows\System32\en-US
 Opens:
                         C:\Windows\winsxs\x86_microsoft.windows.common-
controls_6595b64144ccf1df_6.0.7601.17514_none_41e6975e2bd6f2b2
 Opens:
                         C:\Windows\System32\ntdll.dll
 Opens:
                         C:\Windows\System32\kernel32.dll
 Opens:
                         C:\Windows\System32\apisetschema.dll
 Opens:
                         C:\Windows\System32\KernelBase.dll
 Opens:
                         C:\Windows\System32\locale.nls
 Opens:
                         C:\Program Files\Internet Explorer\iexplore.exe
                         C:\Windows\System32\advapi32.dll
 Opens:
 Opens:
                         C:\Windows\System32\msvcrt.dll
                         C:\Windows\System32\sechost.dll
 Opens:
 Opens:
                         C:\Windows\System32\rpcrt4.dll
 Opens:
                         C:\Windows\System32\user32.dll
                         C:\Windows\System32\gdi32.dll
 Opens:
 Opens:
                         C:\Windows\System32\lpk.dll
 Opens:
                         C:\Windows\System32\usp10.dll
 Opens:
                         C:\Windows\System32\shlwapi.dll
 Opens:
                         C:\Windows\System32\shell32.dll
                         C:\Windows\System32\ole32.dll
 Opens:
 Opens:
                         C:\Windows\System32\iertutil.dll
 Opens:
                         C:\Windows\System32\urlmon.dll
                         C:\Windows\System32\wininet.dll
 Opens:
                         C:\Windows\System32\oleaut32.dll
 Opens:
                         C:\Windows\System32\crypt32.dll
 Opens:
                         C:\Windows\System32\msasn1.dll
 Opens:
 Opens:
                         C:\Windows\System32\imm32.dll
 Opens:
                         C:\Windows\System32\msctf.dll
 Opens:
                         C:\Program Files\Internet Explorer\en-US\iexplore.exe.mui
 Opens:
                         C:\Windows\Globalization\Sorting\SortDefault.nls
 Opens:
                         C:\Windows\System32\ieframe.dll
 Opens:
                         C:\Windows\System32\psapi.dll
 Opens:
                         C:\Windows\System32\oleacc.dll
 Opens:
                         C:\Windows\System32\oleaccrc.dll
 Opens:
                         C:\Windows\winsxs\x86_microsoft.windows.common-
controls_6595b64144ccf1df_6.0.7601.17514_none_41e6975e2bd6f2b2\comctl32.dll
                         C:\Windows\WindowsShell.Manifest
 Opens:
                         C:\Windows\System32\comdlg32.dll
 Opens:
 Opens:
                         C:\Windows\System32\rpcss.dll
 Opens:
                         C:\Windows\System32\cryptbase.dll
                         C:\Windows\System32\uxtheme.dll
 Opens:
 Opens:
                         C:\Windows\System32\RpcRtRemote.dll
```

```
Opens:
                         C:\Windows\System32\dwmapi.dll
 Opens:
                         C:\Program Files\Internet Explorer\sqmapi.dll
 Opens:
                         C:\Windows\System32\clbcatq.dll
 Opens:
                         C:\Windows\System32\propsys.dll
 Opens:
                         C:\Windows\System32\ntmarta.dll
                         C:\Windows\System32\Wldap32.dll
 Opens:
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Caches\cversions.1.db
 Opens:
                         C:\Users\desktop.ini
 Opens:
                         C:\Users\Admin\Desktop\desktop.ini
 Opens:
                         C:\Windows\System32\profapi.dll
                         C:\Windows\System32\setupapi.dll
 Opens:
 Opens:
                         C:\Windows\System32\cfgmgr32.dll
 Opens:
                         C:\Windows\System32\devobj.dll
                         C:\Windows\System32\en-US\setupapi.dll.mui
 Opens:
 Opens:
                         C:\Windows\System32\cryptsp.dll
 Opens:
                         C:\Windows\System32\rsaenh.dll
                         C:\Program Files\Internet Explorer\ieproxy.dll
 Opens:
 Opens:
                         C:\Windows\System32\sspicli.dll
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
 Opens:
Files\Content.IE5\index.dat
                         \verb|C:\Users\Admin\AppData\Roaming\Microsoft\Windows\Cookies\index.dat|\\
 Opens:
 Opens:
Opens:
                         C:\Windows\System32\ws2_32.dll
 Opens:
                         C:\Windows\System32\nsi.dll
 Opens:
                         C:\Windows\System32\dnsapi.dll
 Opens:
                         C:\Windows\System32\IPHLPAPI.DLL
 Opens:
                         C:\Windows\System32\winnsi.dll
 Opens:
                         C:\Windows\System32\en-US\ieframe.dll.mui
 Opens:
                         C:\Windows\System32\apphelp.dll
 Opens:
                         C:\Windows\System32\mlang.dll
 Opens:
                         C:\Windows\Fonts\StaticCache.dat
                         C:\Program Files\Common Files\Adobe\Acrobat\ActiveX\AcroIEHelperShim.dll
 Opens:
 Opens:
                         C:\Program Files\Common Files\Adobe\Acrobat\ActiveX\AcroIEHelper.dll
 Opens:
                         C:\Windows\System32\sxs.dll
 Opens:
                         C:\Windows\System32\en-US\urlmon.dll.mui
 Opens:
                         C:\Windows\System32\version.dll
 Opens:
                         C:\Windows\System32\stdole2.tlb
 Opens:
                         C:\Windows\System32\url.dll
 Opens:
                         C:\Windows\System32\msimg32.dll
 Opens:
                         C:\Windows\Fonts\nyala.ttf
 Opens:
                         C:\Program Files\Internet Explorer\IEFRAME.dll
                         C:\Program Files\Internet Explorer\OLEACC.dll
 Opens:
 Opens:
                         C:\Program Files\Internet Explorer\OLEACCRC.DLL
 Opens:
                         C:\Program Files\Internet Explorer\iexplore.exe.Local\
                         C:\Program Files\Internet Explorer\SspiCli.dll
 Opens:
 Opens:
                         C:\Program Files\Internet Explorer\profapi.dll
 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\desktop.ini
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\History\desktop.ini
 Opens:
C:\Users\Admin\AppData\Local\Microsoft\Windows\History\History.IE5\desktop.ini
 Opens:
                         C:\Program Files\Internet Explorer\ntmarta.dll
 Opens:
                         C:\Program Files\Internet Explorer\dnsapi.DLL
 Opens:
                         C:\Program Files\Internet Explorer\iphlpapi.DLL
 Opens:
                         C:\Program Files\Internet Explorer\WINNSI.DLL
 Opens:
                         C:\Program Files\Internet Explorer\CRYPTBASE.dll
                         C:\Windows\System32\netprofm.dll
 Opens:
 Opens:
                         C:\Windows\System32\nlaapi.dll
                         C:\Program Files\Internet Explorer\CRYPTSP.dll
 Opens:
 Opens:
                         C:\Program Files\Internet Explorer\RpcRtRemote.dll
 Opens:
                         C:\Windows\System32\npmproxy.dll
 Opens:
                         C:\Program Files\Internet Explorer\dwmapi.dll
 Opens:
                         C:\Program Files\Java\jre7\bin\jp2ssv.dll
 Opens:
                         C:\Program Files\Java
                         C:\Program Files\Java\jre7
 Opens:
 Opens:
                         C:\Program Files\Java\jre7\bin
                         C:\Users\Admin\Favorites
 Opens:
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\Low
 Opens:
                         {\tt C:\Users\Admin\AppData\Roaming\Microsoft\Windows\Cookies\Low}
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Historv\Low
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
 Opens:
Files\Virtualized
 Opens:
                         C: \verb|\USers\Admin\AppData\Roaming\Microsoft\Windows\PrivacIE| \\
 Opens:
                         C: \verb|\USers\Admin\AppData\Roaming\Microsoft\Windows\PrivacIE\Low|\\
 Opens:
                         C:\Users\Admin\AppData\Roaming\Microsoft\Windows\IECompatCache
 Opens:
                         C:\Users\Admin\AppData\Roaming\Microsoft\Windows\IECompatCache\Low
 Opens:
                         {\tt C:\Users\Admin\AppData\Roaming\Microsoft\Windows\IETldCache}
 Opens:
                         C:\Users\Admin\AppData\Roaming\Microsoft\Windows\IETldCache\Low
 Opens:
                         C:\Users\Admin\AppData\Local\Temp\Low
 Opens:
                         C:\Users\Admin\AppData\Local\Temp
 Opens:
                         C:\
 Opens:
                         C:\Windows\Temp
                         C:\Program Files\Internet Explorer\en\iexplore.exe.mui
 Opens:
                         C:\Program Files\Internet Explorer\RASAPI32.dll
 Opens:
 Opens:
                         C:\Windows\System32\rasapi32.dll
 Opens:
                         C:\Program Files\Internet Explorer\rasman.dll
                         C:\Windows\System32\rasman.dll
 Opens:
 Opens:
                         C:\Program Files\Internet Explorer\rtutils.dll
```

```
Opens:
                                                       C:\Windows\System32\rtutils.dll
   Opens:
                                                       C:\ProgramData\Microsoft\Network\Connections\Pbk\
   Opens:
                                                       C:\Windows\System32\ras
   Opens:
                                                       {\tt C:\Users\Admin\AppData\Roaming\Microsoft\Network\Connections\Pbk}
   Opens:
                                                       C:\Program Files\Internet Explorer\sensapi.dll
                                                       C:\Windows\System32\SensApi.dll
   Opens:
   Opens:
                                                       C:\Program Files\Internet Explorer\IEShims.dll
                                                       C:\Program Files\Internet Explorer\rasadhlp.dll
   Opens:
                                                       C:\Windows\System32\rasadhlp.dll
   Opens:
   Opens:
                                                       C:\Program Files\Internet Explorer\IEUI.dll
                                                       C:\Windows\System32\ieui.dll
   Opens:
   Opens:
                                                       C:\Users\Admin\AppData\Local\Microsoft\Windows\Caches\{AFBF9F1A-8EE8-
4C77-AF34-C647E37CA0D9}.1.ver0x000000000000006.db
                                                      C:\Users\Admin\Favorites\desktop.ini
   Opens:
   Opens:
                                                       C:\Program Files\Internet Explorer\MSIMG32.dll
   Opens:
                                                       C:\Windows\System32\NapiNSP.dll
   Opens:
                                                       C:\Windows\System32\pnrpnsp.dll
   Opens:
                                                       C:\Windows\System32\mswsock.dll
                                                       C:\Windows\System32\winrnr.dll
   Opens:
   Opens:
                                                       C:\Windows\System32\WSHTCPIP.DLL
                                                       C:\Windows\System32\wship6.dll
   Opens:
                                                       C:\Program Files\Internet Explorer\dhcpcsvc6.DLL
   Opens:
   Opens:
                                                       C:\Windows\System32\dhcpcsvc6.dll
   Opens:
                                                       C:\Program Files\Internet Explorer\dhcpcsvc.DLL
   Opens:
                                                       C:\Windows\System32\dhcpcsvc.dll
   Opens:
                                                       C:\Windows\System32\drivers\etc\hosts
   Opens:
                                                       C:\Windows\System32\FWPUCLNT.DLL
   Opens:
                                                       C:\Users\Admin\AppData\Local\Microsoft\Internet Explorer\Recovery\High
                                                       C:\Users\Admin\AppData\Local\Microsoft\Internet
   Opens:
Explorer\Recovery\High\Active
                                                       C:\Windows\System32\en-US\user32.dll.mui
   Opens:
                                                       C:\Program Files\Internet Explorer\VERSION.dll
   Opens:
                                                       C:\Windows\System32\xmllite.dll
   Opens:
   Opens:
                                                       C:\Windows\System32\ExplorerFrame.dll
                                                       C:\Windows\System32\duser.dll
   Opens:
   Opens:
                                                       C:\Windows\System32\dui70.dll
   Opens:
                                                       C:\Program Files\Internet Explorer\MLANG.dll
   Opens:
                                                       C:\Program Files\Internet Explorer\apphelp.dll
   Opens:
C:\Windows\winsxs\x86_microsoft.vc80.crt_1fc8b3b9a1e18e3b_8.0.50727.4940_none_d08cc06a442b34fc
Opens:
\texttt{C:} \dot{\texttt{W}} indows \texttt{winsxs} \texttt{x86\_microsoft.vc80.crt\_1fc8b3b9a1e18e3b\_8.0.50727.4940\_none\_d08cc06a442b34fc} \\ \texttt{msvcp80.cll} \dot{\texttt{msvcp80.cll}} \dot{\texttt{msvc
                                                       C:\Program Files\Java\jre7\bin\msvcr100.dll
   Opens:
                                                       C:\Program Files\Java\jre7\bin\java.exe
   Opens:
   Opens:
                                                       C:\Program Files\Java\jre7\bin\client\jvm.dll
                                                       C:\Program Files\Java\jre7\bin\server\jvm.dll
   Opens:
   Opens:
                                                       C:\Users\Admin\AppData\Local\Microsoft\Feeds Cache
                                                       {\tt C:\Users\Admin\AppData\Local\Microsoft\Feeds\ Cache\index.dat}\\
   Opens:
   Opens:
                                                       C:\Users\Admin\AppData\Local\Microsoft\Feeds Cache\desktop.ini
   Opens:
                                                       C:\Program Files\Internet Explorer\SXS.DLL
   Opens:
                                                       C:\Windows\Temp\test12.jar.html
   Opens:
                                                       C:\Windows\Temp\test12.jar.html:Zone.Identifier
   Opens:
                                                       C:\Windows\System32\mshtml.dll
   Opens:
                                                       C:\Windows\System32\msls31.dll
   Opens:
                                                       C:\Windows\System32\msimtf.dll
   Opens:
                                                       C:\Program Files\Java\jre7\bin\jp2iexp.dll
   Opens:
                                                       C:\Program Files\Java\jre7\bin\client
                                                       C:\Windows\System32\tzres.dll
   Opens:
   Opens:
                                                       C:\Windows\System32\en-US\tzres.dll.mui
                                                       C:\Program Files\Internet Explorer\WSOCK32.dll
   Opens:
   Opens:
                                                       C:\Windows\System32\wsock32.dll
   Opens:
                                                       C:\Program Files\Internet Explorer\WINMM.dll
   Opens:
                                                       C:\Windows\System32\winmm.dll
   Opens:
                                                       C:\Windows\System32\en-US\propsys.dll.mui
   Opens:
                                                       C:\Program Files\Java\jre7\bin\verify.dll
   Opens:
                                                       C:\Program Files\Java\jre7\bin\java.dll
   Opens:
                                                       C:.hotspotrc
   Opens:
                                                       C:\PROGRA~1\Java\jre7\lib\endorsed
   Opens:
                                                       C:\Windows\Fonts\times.ttf
                                                       C:\Users\Admin\AppData\Local\Temp\hsperfdata_Admin
   Opens:
                                                       C:\Program Files\Java\jre7\bin\zip.dll
   Opens:
   Opens:
                                                       C:\Windows\Svstem32\en-US\mshtml.dll.mui
   Opens:
                                                       C:\Program Files\Java\jre7\lib
   Opens:
                                                       C:\Program Files\Java\jre7\lib\meta-index
   Opens:
                                                       C:\Program Files\Java\jre7\bin\client\classes.jsa
   Opens:
C:\Users\Admin\AppData\Local\Microsoft\Windows\History.History.IE5\MSHist012016032920160330\
   Opens:
\verb|C:\Users\land Admin\land AppData\land Local\land Microsoft\land Windows\land History. IE5\land MSHistO12016032920160330|| C:\Users\land Admin\land AppData\land Local\land Microsoft\land Windows\land History\land LE5\land MSHistO12016032920160330|| C:\Users\land Admin\land AppData\land Local\land Microsoft\land Windows\land History\land LE5\land MSHistO12016032920160330|| C:\Users\land Admin\land AppData\land Local\land Microsoft\land Windows\land History\land LE5\land MSHistO12016032920160330|| C:\Users\land Admin\land AppData\land Local\land Microsoft\land Windows\land History\land LE5\land MSHistO12016032920160330|| C:\Users\land Admin\land AppData\land Local\land Microsoft\land Windows\land History\land LE5\land MSHistO12016032920160330|| C:\Users\land Admin\land AppData\land Local\land Microsoft\land Windows\land History\land LE5\land MSHistO12016032920160330|| C:\Users\land Admin\land AppData\land Local\land Microsoft\land Microsoft\land Microsoft\land Microsoft\land Microsoft\land Microsoft\land Microsoft\land Microsoft\land Microsoft، Microsoft، Microsoft، Microsoft، Microsoft، Microsoft، Microsoft، Microsoft، Microsoft، Microsoft, Microsoft
                                                       C:\Program Files\Java\jre7\lib\rt.jar
   Opens:
C:\Users\Admin\AppData\Local\Microsoft\Windows\History\History.IE5\MSHist012016032920160330\index.dat
                                                       C:\Windows\System32\en-US\shell32.dll.mui
                                                       C:\Users\Admin\AppData\Local\Microsoft\Internet
Explorer\frameiconcache.dat
                                                       C:\Users\Admin\AppData\LocalLow\Microsoft\Internet
   Opens:
Explorer\Services\search_{0633EE93-D776-472f-A0FF-E1416B8B2E3A}.ico
                                                       C:\Program Files\Java\jre7\lib\deploy.jar
   Opens:
                                                       C:\Program Files\Java\jre7\lib\javaws.jar
   Opens:
   Opens:
                                                       C:\Program Files\Java\jre7\lib\plugin.jar
```

```
Opens:
                         C:.hotspot_compiler
 Opens:
                         C:\Program Files\Java\jre7\lib\ext\meta-index
 Opens:
                         C:\Program Files\Java\jre7\lib\ext
 Opens:
                         C:\Windows\Sun\Java\lib\ext\meta-index
 Opens:
                         C:\Program Files\Java\jre7\lib\ext\dnsns.jar
                         C:\Program Files\Java\jre7\lib\ext\localedata.jar
 Opens:
 Opens:
                         C:\Program Files\Java\jre7\lib\ext\sunec.jar
                         C:\Program Files\Java\jre7\lib\ext\sunjce_provider.jar
 Opens:
 Opens:
                         C:\Program Files\Java\jre7\lib\ext\sunmscapi.jar
                         C:\Program Files\Java\jre7\lib\ext\sunpkcs11.jar
 Opens:
                         C:\Program Files\Java\jre7\lib\ext\zipfs.jar
 Opens:
 Opens:
                         C:\Windows\Sun\Java\lib\ext
 Opens:
                         C:\PROGRA~1\Java\jre7\lib\management\usagetracker.properties
 Opens:
                         C:\Program Files\Java\jre7\bin\deploy.dll
 Opens:
                         C:\PROGRA~1\Java\jre7\lib\bin\jp2native.dll
                         C:\Program Files\Java\jre7\bin\jp2native.dll
 Opens:
 Opens:
                         C:\PROGRA~1\Java\jre7\lib\bin\deploy.dll
 Opens:
                         C:\Windows\Sun\Java\Deployment\deployment.config
 Opens:
                         C:\Program Files\Java\jre7\lib\deployment.config
                         C:\PROGRA~1\Java\jre7\lib\deployment.config
 Onens:
 Opens:
C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\deployment.properties
 Opens:
                         C:\Program Files\Java\jre7\bin\net.dll
                         C:\Program Files\Java\jre7\bin\nio.dll
 Opens:
 Opens:
                         C:\Program Files\Java\jre7\bin\javaw.exe
 Opens:
                         C:\Program Files\Java\jre7\lib\security\java.security
 Opens:
                         {\tt C:\Windows\Sun\Java\Deployment\lib\trusted}
 Opens:
                         C:\Program Files\Java\jre7\bin\jp2launcher.exe
 Opens:
                         C:\Windows\AppPatch\sysmain.sdb
                         C:\Windows\Prefetch\JP2LAUNCHER.EXE-DFC71DBB.pf
 Opens:
 Opens:
                         C:\Windows\AppPatch\AcLayers.dll
 Opens:
                         C:\Program Files\Java\jre7\bin\SspiCli.dll
                         C:\Program Files\Java\jre7\bin\USERENV.dll
 Opens:
 Opens:
                         C:\Windows\System32\userenv.dll
                         C:\Program Files\Java\jre7\bin\profapi.dll
 Opens:
 Opens:
                         C:\Program Files\Java\jre7\bin\WINSPOOL.DRV
 Opens:
                         C:\Windows\System32\winspool.drv
 Opens:
                         C:\Program Files\Java\jre7\bin\MPR.dll
 Opens:
                         C:\Windows\System32\mpr.dll
 Opens:
                         C:\Program
 Opens:
                         C:\Program.exe
 Opens:
                         C:\Program Files\Java\jre7\bin\ui\SwDRM.dll
 Opens:
                         C:\Program Files\Java\jre7\bin\jpishare.dll
 Opens:
                         C:\bin\launch.exe
 Opens:
                         C:\Windows\Prefetch\JAVA.EXE-633ED9BF.pf
 Opens:
                         C:\Program Files\Java\jre7\bin\java.exe.Local\
                         C:\Program Files\Java\jre7\lib\i386\jvm.cfg
 Opens:
                         C:\Program Files\Java\jre7\bin\WSOCK32.dll
 Opens:
                         C:\Program Files\Java\jre7\bin\WINMM.dll
 Opens:
                         C:\Program Files\Java\jre7\bin\awt.dll
 Opens:
 Opens:
                         C:\Program Files\Java\jre7\lib\endorsed
 Opens:
                         C:\Program Files\Java\jre7\bin\CRYPTBASE.dll
 Opens:
                         C:\Windows\System32\d3d9.dll
 Opens:
                         C:\Program Files\Java\jre7\bin\VERSION.dll
 Opens:
                         C:\Program Files\Java\jre7\bin\d3d8thk.dll
 Opens:
                         C:\Windows\System32\d3d8thk.dll
 Opens:
                         C:\Program Files\Java\jre7\bin\dwmapi.dll
 Opens:
                         C:\Program Files\Java\jre7\classes
 Opens:
                         C:\Program Files\Java\jre7\lib\management\usagetracker.properties
                         C:\Windows\System32\vga.dll
 Opens:
 Opens:
                         C:\Windows\System32\vga256.dll
                         C:\Windows\System32\vga64k.dll
 Opens:
 Opens:
                         C:\Program Files\Java\jre7\bin\vga.dll
 Opens:
                         C:\Program Files\Java\jre7\lib\resources.jar
 Opens:
                         C:\Program Files\Java\jre7\lib\sunrsasign.jar
 Opens:
                         C:\Program Files\Java\jre7\lib\jsse.jar
 Opens:
                         C:\Program Files\Java\jre7\lib\jce.jar
 Opens:
                         C:\Program Files\Java\jre7\lib\charsets.jar
 Opens:
                         C:\Program Files\Java\jre7\meta-index
 Opens:
                         C:\Program Files\Java\jre7\lib\net.properties
                         C:\Users\Admin\.accessibility.properties
 Opens:
                         C:\Windows\System32\en-US\KernelBase.dll.mui
 Opens:
 Opens:
                         C:\Program Files\Java\jre7\lib\accessibility.properties
                         C:\Windows\Sun\Java\Deployment
 Opens:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\log
 Opens:
                         {\tt C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\security}
 Opens:
                         {\tt C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\ext}
 Opens:
 Opens:
                         Opens:
                         \label{locallow} C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\host
 Opens:
                         C:\Program Files\Java\jre7\lib\security\java.policy
 Opens:
                         C:\Program Files\Java\jre7\lib\ext\*
 Opens:
                         C:\Windows\Sun
 Opens:
                         C:\Windows\Sun\Java
 Opens:
                         C:\Windows\Sun\Java\lib\ext\*
 Opens:
 Opens:
                         C:\Users\Admin\.java.policy
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\security\java.policy
 Opens:
 Opens:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\muffin
 Opens:
                         \label{locallow} C: \Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache\6.0\tmp\\
 Opens:
                         C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\cache
                         C:\Program Files\Java\jre7\bin\dnsapi.DLL
 Opens:
```

C:\Program Files\Java\jre7\bin\iphlpapi.DLL

Opens:

```
Opens:
                          C:\Program Files\Java\jre7\bin\WINNSI.DLL
 Opens:
                          C:\Program Files\Java\jre7\lib\management
 Opens:
                          C:\etc\release
 Opens:
                          C:\Windows\Fonts\coure.fon
 Opens:
                          C:\Windows\Fonts\sserife.fon
                          C:\Windows\Fonts\vgafix.fon
 Opens:
 Opens:
                          C:\Program Files\Java\jre7\lib\swing.properties
                          C:\Program Files\Java\jre7\lib\fonts
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\LucidaSansRegular.ttf
 Opens:
                          C:\Program Files\Java\jre7\bin\fontmanager.dll
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\badfonts.txt
 Opens:
                          C:\Program Files\Java\jre7\lib\fontconfig.7.properties
 Opens:
 Opens:
                          C:\Program Files\Java\jre7\lib\fontconfig.7.bfc
 Opens:
                          C:\Program Files\Java\jre7\lib\fontconfig.properties
 Opens:
                          C:\Program Files\Java\jre7\lib\fontconfig.bfc
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\fallback
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\COURBI.TTF
 Opens:
                          C:\Windows\Fonts\courbi.ttf
                          C:\Program Files\Java\jre7\lib\fonts\WINGDING.TTF
 Opens:
 Opens:
                          C:\Windows\Fonts\wingding.ttf
                          C:\Program Files\Java\jre7\lib\fonts\SYMBOL.TTF
 Opens:
 Opens:
                          {\tt C:\Windows\Fonts\symbol.ttf}
                          \hbox{\tt C:\Program\ Files\Java\jre7\lib\fonts\TIMES.TTF}
 Opens:
                          {\tt C:\Program\ Files\Java\jre7\lib\fonts\TIMESBD.TTF}
 Opens:
 Opens:
                          C:\Windows\Fonts\timesbd.ttf
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\TIMESBI.TTF
 Opens:
                          C:\Windows\Fonts\timesbi.ttf
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\TIMESI.TTF
 Opens:
                          C:\Windows\Fonts\timesi.ttf
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\ARIAL.TTF
 Opens:
                          C:\Windows\Fonts\arial.ttf
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\ARIALBD.TTF
                          C:\Windows\Fonts\arialbd.ttf
 Opens:
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\ARIALBI.TTF
 Opens:
                          C:\Windows\Fonts\arialbi.ttf
                          C:\Program Files\Java\jre7\lib\fonts\ARIALI.TTF
 Opens:
 Opens:
                          C:\Windows\Fonts\ariali.ttf
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\COUR.TTF
 Opens:
                          C:\Windows\Fonts\cour.ttf
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\COURI.TTF
 Opens:
                          C:\Windows\Fonts\couri.ttf
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\COURBD.TTF
 Opens:
                          C:\Windows\Fonts\courbd.ttf
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\SIMSUN.TTC
 Opens:
                          C:\Windows\Fonts\simsun.ttc
                          C:\Program Files\Java\jre7\lib\fonts\SIMSUNB.TTF
 Opens:
 Opens:
                          C:\Windows\Fonts\simsunb.ttf
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\SIMSUN18030.TTC
 Opens:
                          C:\Windows\Fonts\SIMSUN18030.TTC
                          \label{limits} C: \Pogram Files \ \ ire7 \ \ fonts \ \ kscsm3u.ttf
 Opens:
 Opens:
                          C:\Windows\Fonts\hkscsm3u.ttf
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\MINGLIUB.TTC
 Opens:
                          C:\Windows\Fonts\mingliub.ttc
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\sylfaen.ttf
 Opens:
                          C:\Windows\Fonts\sylfaen.ttf
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\MINGLIU.TTC
 Opens:
                          C:\Windows\Fonts\mingliu.ttc
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\MSMINCHO.TTC
 Opens:
                          C:\Windows\Fonts\msmincho.ttc
                          C:\Program Files\Java\jre7\lib\fonts\batang.TTC
 Opens:
                          C:\Windows\Fonts\batang.ttc
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\MSGOTHIC.TTC
 Opens:
 Opens:
                          C:\Windows\Fonts\msgothic.ttc
 Opens:
                          C:\Program Files\Java\jre7\lib\fonts\gulim.TTC
 Opens:
                          C:\Windows\Fonts\gulim.ttc
                          C:\Program Files\Java\jre7\lib\applet
 Opens:
 Opens:
                          C:\Windows\Sun\Java\Deployment\Lib\Untrusted
                          C:\Program Files\Java\jre7\lib\currency.data
 Opens:
 Opens:
                          C:\Program Files\Java\jre7\lib\currency.properties
                          C:\Windows\Temp\test12.jar.exe
 Opens:
                          C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\security\blacklist
 Opens:
                          C:\Program Files\Java\jre7\lib\security
C:\Program Files\Java\jre7\lib\security\blacklist
 Opens:
 Opens:
 Onens:
\verb|C:\USers\Admin\AppData\LocalLow\Sun\Java\Deployment\security\trusted.libraries|\\
                          C:\Program Files\Java\jre7\lib\security\trusted.libraries
 Opens:
 Opens:
                          C:\Program Files\Java\jre7\bin\dhcpcsvc6.DLL
 Opens:
                          C:\Program Files\Java\jre7\bin\dhcpcsvc.DLL
 Opens:
                          C:\Program Files\Java\jre7\bin\rasadhlp.dll
 Opens:
                          C:\Program Files\Java\jre7\axbridge\lib
 Opens:
                          C: \Pogram Files \ Java \ jre7 \ bin \ t2k.dll
 Writes to:
                          C:\Users\Admin\AppData\Local\Microsoft\Internet
Explorer\Recovery\High\Active\RecoveryStore.{3C3FDA93-F55E-11E5-808F-080027DFC114}.dat
                          C:\Users\Admin\AppData\Local\Temp\~DFFDFA8246376A043E.TMP
 Writes to:
 Writes to:
                          C:\Users\Admin\AppData\Local\Microsoft\Internet
Explorer\Recovery\High\Active\{3C3FDA94-F55E-11E5-808F-080027DFC114}.dat
                          C:\Users\Admin\AppData\Local\Temp\~DFFE76410A5B420233.TMP
 Writes to:
C:\Users\Admin\AppData\Local\Microsoft\Windows\History\History.IE5\MSHist012016032920160330\index.dat
 Reads from:
                          C:\Windows\Prefetch\IEXPLORE.EXE-908C99F8.pf
```

Reads from: C:\Program Files\Internet Explorer\iexplore.exe
Reads from: C:\Users\desktop.ini

```
Reads from:
                         C:\Users\Admin\Favorites\desktop.ini
 Reads from:
                         C:\Users\Admin\Desktop\desktop.ini
 Reads from:
                         C:\Windows\System32\drivers\etc\hosts
 Reads from:
                         C:\Users\Admin\AppData\Local\Temp\~DFFDFA8246376A043E.TMP
                         C:\Users\Admin\AppData\Local\Microsoft\Internet
 Reads from:
Explorer\Recovery\High\Active\RecoveryStore. {3C3FDA93-F55E-11E5-808F-080027DFC114}.dat
                         C:\Windows\Fonts\StaticCache.dat
  Reads from:
                         C:\Users\Admin\AppData\Local\Temp\~DFFE76410A5B420233.TMP
 Reads from:
 Reads from:
                         C:\Users\Admin\AppData\Local\Microsoft\Internet
Explorer\Recovery\High\Active\{3C3FDA94-F55E-11E5-808F-080027DFC114}.dat
                         C:\Program Files\Common Files\Adobe\Acrobat\ActiveX\AcroIEHelper.dll
  Reads from:
 Reads from:
                         C:\Windows\Temp\test12.jar.html
 Reads from:
                         C:\Windows\System32\ieframe.dll
 Reads from:
                         C:\Windows\System32\stdole2.tlb
```

Reads from: C:\Users\Admin\AppData\Local\Microsoft\Windows\History\desktop.ini

Reads from: C:\Program Files\Java\jre7\lib\meta-index Reads from: C:\Program Files\Java\jre7\bin\client\classes.jsa

Reads from: C:\Program Files\Java\jre7\lib\rt.jar

C:\Users\Admin\AppData\LocalLow\Microsoft\Internet Reads from:

Explorer\Services\search_{0633EE93-D776-472f-A0FF-E1416B8B2E3A}.ico C:\Program Files\Java\jre7\lib\deploy.jar Reads from: Reads from: C:\Program Files\Java\jre7\lib\javaws.jar C:\Program Files\Java\jre7\lib\plugin.jar Reads from: Reads from: C:\Program Files\Java\jre7\lib\ext\meta-index Reads from:

 $\verb|C:\Users\Admin\AppData\LocalLow\Sun\Java\Deployment\deployment.properties|\\$ Reads from: C:\Program Files\Java\jre7\lib\security\java.security

Reads from: C:\Program Files\Java\jre7\bin\java.exe Reads from: C:\Program Files\Java\jre7\lib\i386\jvm.cfg Reads from: C:\Program Files\Java\jre7\lib\net.properties Reads from: C:\Program Files\Java\jre7\lib\security\java.policy Reads from: C:\Program Files\Java\jre7\lib\fontconfig.bfc C:\Program Files\Java\jre7\lib\currency.data Reads from:

Reads from: C:\Windows\Temp\test12.jar.exe

C:\Program Files\Java\jre7\lib\security\blacklist Reads from: Reads from: C:\Program Files\Java\jre7\lib\security\trusted.libraries

Reads from: C:\Program Files\Java\jre7\lib\jsse.jar

Reads from: C:\Windows\Fonts\arial.ttf Reads from: C:\Windows\Fonts\wingding.ttf Reads from: C:\Windows\Fonts\symbol.ttf

Network Events

DNS guery:

224.0.0.252:5355 Connects to: Sends data to: 224.0.0.252:5355

Windows Registry Events

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

settings\connections

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

Creates key: HKCU\software\appdatalow

Creates kev: HKCU\software\microsoft\internet explorer\internetregistry Creates key: HKCU\software\microsoft\internet explorer\lowregistry

Creates key: HKCU\software\microsoft\internet

explorer\lowregistry\dontshowmethisdialogagain Creates key: HKCU\software\microsoft\windows\currentversion\internet

settings\5.0\lowcache Creates key: HKCU\software\microsoft\internet explorer\intelliforms

Creates key: HKCU\software\microsoft\internet explorer\toolbar HKCU\software\microsoft\internet explorer\toolbar\webbrowser Creates kev:

Creates key:

 $\label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ explorer\+ menuorder\+ favorites$ HKCU\software\microsoft\internet explorer\pagesetup Creates kev: Creates key: HKCU\software\microsoft\windows\currentversion\internet

settings\passport\lowdamap

Creates key: $\label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet settings \verb+ wpad+ \\$ Creates key: HKCU\software\microsoft\windows\currentversion\explorer\lowregistry

Creates key: $\label{lem:hkcu} \verb+KKCU \software \microsoft \ internet explorer \ \ \ zoom$

Creates key: HKCU\software\microsoft\internet explorer\browseremulation\lowmic

Creates key: HKCU\software\microsoft\internet explorer\ietld\lowmic

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

Creates key: HKLM\software\microsoft\tracing

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

awareness

Creates key: HKLM\system\currentcontrolset\services\tcpip\parameters HKCU\software\microsoft\internet explorer\recovery\adminactive Creates key: Creates key: HKCU\software\microsoft\internet explorer\main\windowssearch

Creates key: $HKCU \setminus software \setminus microsoft \setminus windows \setminus current version \setminus ext \setminus \{18df081c - e8ad-text \} + \{18d$

4283-a596-fa578c2ebdc3}\iexplore

Creates key: HKCU\software\microsoft\windows\currentversion\ext\stats\{dbc80044-a445-

435b-bc74-9c25c1c588a9}\iexplore

Creates key: $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \ext \stats \end{tabular} \begin{tabular}{ll} 408b0e5c0-4fcb-1000 \mbox{\current version} \end{tabular} \begin{tabular}{ll} 408b0e5c0-4fcb-1000 \mbox{\current version} \mbox{\current version} \end{tabular} \begin{tabular}{ll} 408b0e5c0-4fcb-1000 \mbox{\current version} \mbox$

11cf-aaa5-00401c608501}\iexplore

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

settings\5.0\cache\extensible cache\mshist012016032920160330

HKCU\software\microsoft\direct3d\mostrecentapplication Creates key:

Creates kev: HKLM\system\currentcontrolset\control\class\{4d36e96e-e325-11ce-bfc1-

08002be10318}\0000

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

```
settings\wpad\{c88c1fae-2018-468e-8424-f397ea7f7ea0}
                                    HKCU\software\microsoft\windows\currentversion\internet
  Creates key:
Creates key:
                                    HKCU\software\microsoft\windows\currentversion\internet
settings\wpad\72-0b-41-2f-46-0d
                                    HKCU\software\microsoft\windows\currentversion\internet
  Deletes value:
settings\zonemap[proxybypass]
                                    HKLM\software\microsoft\windows\currentversion\internet
  Deletes value:
settings\zonemap[proxybypass]
  Deletes value:
                                   HKCU\software\microsoft\windows\currentversion\internet
settings\zonemap[intranetname]
  Deletes value:
                                   HKLM\software\microsoft\windows\currentversion\internet
settings\zonemap[intranetname]
                                    HKCU\software\microsoft\windows\currentversion\internet
  Deletes value:
settings[proxyserver]
  Deletes value:
                                    HKCU\software\microsoft\windows\currentversion\internet
settings[proxyoverride]
  Deletes value:
                                    HKCU\software\microsoft\windows\currentversion\internet
settings[autoconfigurl]
                                    HKLM\svstem\currentcontrolset\control\session manager
  Opens kev:
  Opens key:
                                    HKLM\system\currentcontrolset\control\safeboot\option
                                    HKLM\system\currentcontrolset\control\srp\gp\dll
  Opens key:
                                    HKLM\software\policies\microsoft\windows\safer\codeidentifiers
  Opens kev:
                                    \label{lem:hkcu} \mbox{HKCU\software\policies\mbox{$\mbox{microsoft\windows\safer\codeidentifiers}$} \\
  Opens key:
  Opens kev:
                                    HKCU\
  Opens key:
                                    \label{lem:hkcu} \verb+KKCU+ control panel+ desktop+ muicached+ machine language configuration
  Opens key:
                                    HKLM\software\policies\microsoft\mui\settings
                                    HKCU\software\policies\microsoft\control panel\desktop
  Opens key:
  Opens key:
                                    HKCU\control panel\desktop\languageconfiguration
  Opens key:
                                    HKCU\control panel\desktop
  Opens key:
                                    HKCU\control panel\desktop\muicached
  Opens key:
                                    {\it HKLM} \verb|\software\m| icrosoft\windows\currentversion\sidebyside
  Opens key:
                                    HKLM\system\currentcontrolset\control\nls\sorting\versions
  Opens key:
                                    HKLM\
                                    HKLM\software\microsoft\windows nt\currentversion\diagnostics
  Opens key:
                                    HKLM\system\currentcontrolset\control\error message instrument\
  Opens key:
                                    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\system\currentcontrolset\control\cmf\config
  Opens key:
                                    HKLM\software\microsoft\windows nt\currentversion\windows
                                    HKLM\software\microsoft\ole
  Opens key:
                                    HKLM\software\microsoft\ole\tracing
  Opens kev:
  Opens key:
                                    HKLM\software\microsoft\oleaut
  Opens key:
                                    HKLM\system\currentcontrolset\services\crypt32
  Opens kev:
                                    HKI M\software\microsoft\windows\currentversion\internet settings
  Opens key:
                                    HKLM\software\policies\microsoft\windows\currentversion\internet
settings
  Opens key:
                                    HKLM\software\policies\microsoft\internet explorer\main
                                    {\it HKLM \backslash software \backslash \dot microsoft \backslash internet \ explorer \backslash main}
  Opens key:
  Opens kev:
                                    HKLM\software\policies\microsoft\internet explorer\main\featurecontrol
  Opens key:
                                    \label{lem:hkcu} \mbox{HKCU\software\policies\mbox{\sc microsoft\internet explorer\mbox{\sc microsoft\sc mi
  Opens key:
                                    \label{lem:hammon} \mbox{HKLM\software\mbox{\sc microsoft\internet explorer\mbox{\sc main\sc feature} control} \\
  Opens key:
                                    HKCU\software\microsoft\internet explorer\main\featurecontrol
  Opens key:
                                    HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_enablesafesearchpath_kb963027
  Opens key:
                                    HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_enablesafesearchpath_kb963027
                                    HKLM\software\policies
  Opens kev:
  Opens key:
                                    HKCU\software\policies
  Opens key:
                                    HKCU\software
  Opens key:
                                    HKLM\software
  Opens key:
                                    HKLM\software\policies\microsoft\internet explorer
  Opens key:
                                    HKLM\software\policies\microsoft\internet explorer\low rights
  Opens key:
                                    HKCU\software\policies\microsoft\internet explorer
  Opens key:
                                    HKCU\software\microsoft\internet explorer\low rights
                                    HKLM\software\microsoft\internet explorer\low rights
  Opens kev:
                                    HKCU\software\policies\microsoft\internet explorer\main
  Opens key:
                                    HKCU\software\microsoft\internet explorer\main
  Opens key:
  Opens kev:
                                    HKLM\software\microsoft\windows\currentversion\policies\system
  Opens key:
                                    HKCU\software\microsoft\internet explorer\setup
  Opens key:
HKLM\software\microsoft\windows\currentversion\sidebyside\assemblystorageroots
                                    HKCU\software\microsoft\internet explorer
  Opens key:
                                    HKLM\software\microsoft\internet explorer
  Opens key:
  Opens key:
                                    HKCU\software\policies\microsoft\windows\currentversion\internet
settings
  Opens kev:
                                    HKCU\software\microsoft\windows\currentversion\internet settings
  Opens key:
                                    HKLM\software\microsoft\rpc
  Opens key:
                                    Opens key:
                                    HKLM\system\setup
  Opens key:
                                    HKLM\software\policies\microsoft\windows nt\rpc
  Opens key:
                                    HKLM\software\policies\microsoft\sqmclient\windows
  Opens key:
                                    HKLM\software\microsoft\sqmclient\windows
  Opens key:
                                    HKLM\software\microsoft\windows\currentversion\internet
settings\5.0\cache
                                    HKCU\software\microsoft\windows\currentversion\internet
  Opens key:
settings\5.0\cache
  Opens key:
                                    HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\content
  Opens key:
                                    HKLM\software\microsoft\windows\currentversion\internet
```

```
settings\5.0\cache\content
    Opens key:
\label{thm:local_hammon} \begin{tabular}{ll} HKLM \end{tabular} software \end{tabular} in cross of the local constraints of the local constraint
    Opens key:
HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{352481e8-33be-4251-
ba85-6007caedcf9d}
ba85-6007caedcf9d}\propertybag
    Opens key:
                                                           HKCU\software\microsoft\windows\currentversion\explorer
    Opens key:
                                                           HKCU\software\microsoft\windows\currentversion\explorer\sessioninfo\1
    Opens key:
HKCU\software\microsoft\windows\currentversion\explorer\user shell
    Opens kev:
folders
    Opens key:
                                                           HKLM\system\currentcontrolset\control\nls\customlocale
    Opens kev:
                                                           HKLM\svstem\currentcontrolset\control\nls\extendedlocale
    Opens key:
                                                           HKLM\software\policies\microsoft\windows\explorer
                                                           HKCU\software\policies\microsoft\windows\explorer
    Opens kev:
    Opens key:
HKLM \label{lem:hklm} Which is a full derivative of the constant of the cons
9d55-7b8e7f157091}
    Opens key:
9d55-7b8e7f157091}\propertybag
    Opens key:
9afe-ea3317b67173}
    Opens key:
HKLM \label{lem:hklm} Which is the latest and the
9afe-ea3317b67173}\propertybag
                                                           HKLM\software\microsoft\windows nt\currentversion\profilelist\s-1-5-21-
2160590473-689474908-1361669368-1002
    Opens kev:
\label{thm:local_hammon_hammon} \begin{tabular}{ll} HKLM \end{tabular} software \end{tabular} windows \end{tabular} current version \end{tabular} explorer \end{tabular} known folders ettings
    Opens key:
                                                          HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\cookies
                                                           HKLM\software\microsoft\windows\currentversion\internet
    Opens key:
settings\5.0\cache\cookies
    Opens key:
HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{2b0f765d-c0e9-4171-
908e-08a611b84ff6}
   Opens key:
908e-08a611b84ff6}\propertybag
    Opens key:
HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-
a03a-e3ef65729f3d}
    Opens key:
a03a-e3ef65729f3d}\propertybag
    Opens key:
                                                          HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\history
    Opens key:
                                                           HKLM\software\microsoft\windows\currentversion\internet
settings\5.0\cache\history
    Opens key:
a781-5a1130a75963}
    Opens key:
a781-5a1130a75963}\propertybag
                                                           HKCU\software\microsoft\windows\currentversion\internet
    Opens key:
settings\5.0\cache\extensible cache
                                                          HKCU\software\microsoft\windows\currentversion\internet
   Opens key:
settings\5.0\cache\extensible cache\domstore
                                                          HKCU\software\microsoft\windows\currentversion\internet
   Opens key:
settings\5.0\cache\extensible cache\feedplat
                                                          HKCU\software\microsoft\windows\currentversion\internet
   Opens kev:
settings\5.0\cache\extensible cache\iecompat
   Opens key:
                                                          HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\ietld
                                                          HKCU\software\microsoft\windows\currentversion\internet
   Opens key:
settings\5.0\cache\extensible cache\privacie:
                                                          HKCU\software\microsoft\internet
   Opens kev:
\verb|explorer\main\featurecontrol\retry_header on ly post\_on connection reset|\\
    Opens key:
                                                          HKLM\software\microsoft\internet
\dot{explorer} \ \ \dot{main} \ \ \dot{feature control} \ \ \dot{retry\_header on ly post\_on connection reset}
    Opens key:
                                                          HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_bufferbreaking_818408
    Opens key:
                                                          HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_bufferbreaking_818408
                                                          HKCU\software\microsoft\internet
    Opens key:
explorer\main\featurecontrol\feature_skip_post_retry_on_internetwritefile_kb895954
```

```
HKCU\software\microsoft\internet
  Opens key:
explorer\main\featurecontrol\feature_use_cname_for_spn_kb911149
  Opens key:
                              HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_use_cname_for_spn_kb911149
  Opens kev:
                             HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_disable_notify_unverified_spn_kb2385266
  Opens key:
                             HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_disable_notify_unverified_spn_kb2385266
                             HKCU\software\microsoft\internet
  Opens key:
explorer\main\featurecontrol\feature_compat_use_connection_based_negotiate_auth_kb2151543
 Opens key:
                             HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature compat use connection based negotiate auth kb2151543
                             HKCU\software\microsoft\internet
 Opens kev:
explorer\main\featurecontrol\feature_allow_long_international_filenames
                             HKLM\software\microsoft\internet
  Opens key:
explorer\main\featurecontrol\feature_allow_long_international_filenames
 Opens key:
                             HKCU\software\microsoft\internet
explorer \verb|\main| featurecontrol| feature\_permit\_cache\_for\_authenticated\_ftp\_kb910274
                             HKLM\software\microsoft\internet
 Opens kev:
explorer \verb|\main| featurecontrol \verb|\feature_permit_cache_for_authenticated_ftp_kb910274| \\
  Opens key:
                             HKCU\software\microsoft\internet
\verb|explorer'| main feature control feature_disable_unicode_handle_closing_callback| \\
  Opens key:
                              HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_disable_unicode_handle_closing_callback
  Opens key:
                              HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_disallow_null_in_response_headers
                             HKLM\software\microsoft\internet
  Opens key:
explorer\main\featurecontrol\feature_disallow_null_in_response_headers
  Opens key:
                             HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_digest_no_extras_in_uri
  Opens key:
                              HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_digest_no_extras_in_uri
  Opens kev:
                              HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_enable_passport_session_store_kb948608
  Opens key:
                             HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_exclude_invalid_client_cert_kb929477
  Opens key:
                             HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_exclude_invalid_client_cert_kb929477
                             HKCU\software\microsoft\internet
  Opens key:
explorer\main\featurecontrol\feature use utf8 for basic auth kb967545
                             HKLM\software\microsoft\internet
  Opens kev:
explorer\main\featurecontrol\feature use utf8 for basic auth kb967545
  Opens kev:
                             HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_release_keys_on_unload_kb975619
  Opens key:
                              HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_release_keys_on_unload_kb975619
  Opens key:
                              HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_security_flag_ignore_revocation_kb2275828
  Opens key:
                             HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_security_flag_ignore_revocation_kb2275828
  Opens key:
                              Opens key:
                              {\tt HKLM \ } system \verb|\  current control set \verb|\  services \verb|\  ldap
  Opens key:
                              HKLM\system\currentcontrolset\services\winsock2\parameters
  Opens key:
                              HKLM\system\currentcontrolset\services\winsock2\parameters\appid_catalog
  Opens key:
HKLM\system\currentcontrolset\services\winsock2\parameters\appid_catalog\29bc6c5a-15708810
  Opens key:
HKLM\system\currentcontrolset\services\winsock2\parameters\appid_catalog\29bc6c5a
  Opens kev:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9
  Opens key:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\00000019
  Opens key:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries
 Opens key:
Opens kev:
Opens key:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000003
  Opens key:
Opens kev:
Opens key:
Opens key:
Opens key:
Opens key:
\label{thm:local_catalog} HKLM \system \current controlset \services \winsock 2 \parameters \protocol\_catalog \parameters \p
  Opens key:
Opens key:
Opens key:
Opens key:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol catalog9\catalog entries\00000000013
  Opens key:
```

explorer\main\featurecontrol\feature_fix_chunked_proxy_script_download_kb843289

```
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ protocol\_catalog \ (catalog\_entries \ 000000000014) \ (catalog\_entries \ (catalog \ (catalog\_entries \ (catalog \ (ca
   Opens key
Opens key:
HKL\begin{tabular}{ll} HKL\begin{tabular}{l
   Opens key:
Opens key:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5
   Opens key:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace catalog5\0000000c
   Opens kev:
HKLM\svstem\currentcontrolset\services\winsock2\parameters\namespace catalog5\catalog entries
   Opens key:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000001
   Opens key:
Opens kev:
Opens key:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000004
   Opens key:
Opens key:
HKCU\software\microsoft\windows\currentversion\internet settings\wpad
   Opens key:
   Opens key:
                                                    HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_return_failed_connect_content_kb942615
                                                    HKLM\software\microsoft\internet
   Opens key:
explorer\main\featurecontrol\feature_return_failed_connect_content_kb942615
   Opens kev:
   Opens kev:
                                                    HKCU\software\classes\
   Opens key:
                                                    HKLM\software\microsoft\com3
   Opens key:
                                                    HKCU \setminus software \setminus classes \setminus clsid \setminus \{dcb00c01-570f-4a9b-8d69-199fdba5723b\}
   Opens key:
                                                    HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}
   Opens key:
                                                    HKCU\software\classes\clsid\{dcb00c01-570f-4a9b-8d69-
 199fdba5723b}\treatas
                                                    HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}\treatas
   Opens key:
                                                    HKCU\software\classes\clsid\{dcb00c01-570f-4a9b-8d69-
   Opens kev:
199fdba5723b}\progid
                                                    HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}\progid
   Opens key:
                                                    HKCU\software\classes\clsid\{dcb00c01-570f-4a9b-8d69-
   Opens kev:
199fdba5723b}\inprocserver32
                                                    HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}\inprocserver32
   Opens key:
                                                    HKCU\software\classes\clsid\{dcb00c01-570f-4a9b-8d69-
   Opens key:
199fdba5723b}\inprochandler32
                                                    HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}\ \ \ in prochandler 32
   Opens key:
   Opens key:
                                                    HKCU\software\classes\clsid\{dcb00c01-570f-4a9b-8d69-
 199fdba5723b}\inprochandler
   Opens key:
                                                    HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}\inprochandler
   Opens key:
                                                    HKLM\software\microsoft\rpc\extensions
   Opens key:
                                                    HKCU \setminus software \setminus classes \setminus clsid \setminus \{a47979d2 - c419 - 11d9 - a5b4 - 001185ad2b89\}
   Opens key:
                                                    HKCR\clsid\{a47979d2-c419-11d9-a5b4-001185ad2b89}
   Opens key:
                                                    HKCU\software\classes\clsid\{a47979d2-c419-11d9-a5b4-
001185ad2b89}\treatas
   Opens key:
                                                    HKCR \ clsid \ \{a47979d2-c419-11d9-a5b4-001185ad2b89\} \ treat as
   Opens key:
                                                    HKCU\software\classes\clsid\{a47979d2-c419-11d9-a5b4-
001185ad2b89}\progid
                                                    HKCR\clsid\{a47979d2-c419-11d9-a5b4-001185ad2b89}\progid
   Opens kev:
   Opens key:
                                                    HKCU\software\classes\clsid\{a47979d2-c419-11d9-a5b4-
001185ad2b89}\inprocserver32
                                                   HKCR\clsid\{a47979d2-c419-11d9-a5b4-001185ad2b89}\inprocserver32
   Opens key:
   Opens key:
                                                    HKCU\software\classes\clsid\{a47979d2-c419-11d9-a5b4-
001185ad2b89}\inprochandler32
   Opens key:
                                                   HKCR\clsid\{a47979d2-c419-11d9-a5b4-001185ad2b89}\inprochandler32
                                                    HKCU\software\classes\clsid\{a47979d2-c419-11d9-a5b4-
   Opens kev:
001185ad2b89}\inprochandler
                                                    HKCR\clsid\{a47979d2-c419-11d9-a5b4-001185ad2b89}\inprochandler
   Opens key:
   Opens kev:
                                                    HKCU\software\classes\appid\iexplore.exe
   Opens key:
                                                    HKCR\appid\iexplore.exe
                                                    HKLM\software\microsoft\ole\appcompat
   Opens key:
                                                    HKLM\system\currentcontrolset\control\lsa
   Opens kev:
   Opens key:
                                                    HKLM \ software \ \verb|microsoft| \ cryptography \ defaults \ \verb|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
   Opens key:
                                                    HKLM\software\microsoft\cryptography
   Opens key:
                                                    HKLM\software\microsoft\cryptography\offload
   Opens key:
                                                    \label{local-eq:hkcu} \mbox{HKCU\software\classes\interface} \ \{00000134-0000-0000-0000-00000000046\} \ \mbox{HKCU\software\classes\selectforce} \ \ \mbox{HKCU\software\classes\selectforce} \ \mbox{HKCU\soft\selectforce} \ \mbox{HKCU\soft\selectforce}
   Opens key:
                                                    HKCR\interface\{00000134-0000-0000-c000-00000000046}
   Opens key:
                                                    HKCU\software\classes\interface\{00000134-0000-0000-c000-
00000000046}\proxystubclsid32
                                                    HKCR\interface\{00000134-0000-0000-c000-00000000046}\proxystubclsid32
   Opens kev:
                                                    HKLM\system\currentcontrolset\services\bfe
   Opens kev:
   Opens key:
                                                    HKLM\software\microsoft\sqmclient\windows\disabledprocesses\
   Opens key:
                                                    HKLM\software\microsoft\sqmclient\windows\disabledsessions\
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                                                                                                         \label{lem:hklm} \verb+Kklm\+ software\+ microsoft\+ windows\+ current version\+ policies\+ explorer
       Opens key:
                                                                                                         \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\spaceshape}} \mbox{\tt policies\explorer} \mbox{\tt explorer} \mbox{\tt microsoft\windows\currentversion\spaceshape}} \mbox{\tt policies\explorer} \mbox{\tt explorer} \mbox{\tt 
       Opens key:
HKCU\software\classes\clsid\{20d04fe0-3aea-1069-a2d8-
       Opens key:
08002b30309d}\shellfolder
       Opens key:
                                                                                                         HKCR\clsid\{20d04fe0-3aea-1069-a2d8-08002b30309d}\shellfolder
       Opens key:
                                                                                                         HKCU \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-delta, for explorer \setminus clsid \setminus \{20d04f
3aea-1069-a2d8-08002b30309d}\shellfolder
                                                                                                         HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus clsid \setminus explorer \setminus clsid \setminus explorer \setminus clsid \setminus explorer \setminus clsid \setminus clsid \setminus explorer \setminus clsid \setminus explorer \setminus clsid \setminus explorer \setminus clsid \setminus
       Opens key:
 3aea-1069-a2d8-08002b30309d}\shellfolder
       Opens key:
                                                                                                         HKCU\software\microsoft\windows\currentversion\policies\nonenum
       Opens key:
                                                                                                         HKLM\software\microsoft\windows\currentversion\policies\nonenum
       Opens key:
\label{thm:current} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \explorer \mountpoints 2 \cpc \volume \end{tabular}
       Opens key:
11e3-b3bc-806e6f6e6963}\
                                                                                                         HKCU\software\classes\drive\shellex\folderextensions
       Opens key:
                                                                                                         HKCR\drive\shellex\folderextensions
       Opens kev:
                                                                                                         HKCU\software\classes\drive\shellex\folderextensions\{fbeb8a05-beee-
       Opens kev:
4442-804e-409d6c4515e9}
                                                                                                         HKCR\drive\shellex\folderextensions\{fbeb8a05-beee-4442-804e-
      Opens kev:
409d6c4515e9}
       Opens key:
                                                                                                         HKCU\software\microsoft\windows\currentversion\explorer\
       Opens kev:
                                                                                                         HKCU\software\microsoft\windows\currentversion\explorer\advanced
       Opens key:
HKLM \ software \ microsoft \ windows \ shell \ registered applications \ urlassociations \ directory \ open with progids
       Opens key:
\label{lem:hkcu} \begin{tabular}{l} HKCU \software \verb|microsoft| windows \shell \associations \urlassociations \associations \a
       Opens key:
                                                                                                         HKCU\software\classes\directory
       Opens key:
                                                                                                        HKCR\directory
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                                                                                                         HKCU\software\classes\directory\curver
       Opens key:
                                                                                                         HKCR\directory\curver
       Opens key:
                                                                                                         HKCR\directory\
       Opens key:
                                                                                                         HKCU\software\classes\directory\shellex\iconhandler
       Opens key:
                                                                                                         HKCR\directory\shellex\iconhandler
       Opens key:
                                                                                                         HKCU\software\classes\folder
       Opens kev:
                                                                                                         HKCR\folder
                                                                                                         HKCU\software\classes\folder\shellex\iconhandler
       Opens kev:
       Opens key:
                                                                                                         HKCR\folder\shellex\iconhandler
       Opens key:
                                                                                                         HKCU\software\classes\allfilesystemobjects
       Opens key:
                                                                                                         HKCR\allfilesystemobjects
       Opens key:
                                                                                                         HKCU\software\classes\allfilesystemobjects\shellex\iconhandler
```

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Opens key:
                                         HKCR\allfilesystemobjects\shellex\iconhandler
  Opens key:
                                         HKCU\software\classes\directory\docobject
  Opens key:
                                         HKCR\directory\docobject
  Opens key:
                                         HKCU\software\classes\folder\docobject
  Opens key:
                                         HKCR\folder\docobject
  Opens key:
                                         HKCU\software\classes\allfilesystemobjects\docobject
  Opens key:
                                         HKCR\allfilesystemobjects\docobject
  Opens key:
                                         HKCU\software\classes\directory\browseinplace
  Opens key:
                                         HKCR\directory\browseinplace
                                         HKCU\software\classes\folder\browseinplace
  Opens key:
  Opens key:
                                         HKCR\folder\browseinplace
                                         HKCU\software\classes\allfilesystemobjects\browseinplace
  Opens key:
  Opens key:
                                         HKCR\allfilesystemobjects\browseinplace
  Opens key:
                                         HKCU\software\classes\directory\clsid
  Opens key:
                                         HKCR\directory\clsid
  Opens key:
                                         HKCU\software\classes\folder\clsid
                                         HKCR\folder\clsid
  Opens kev:
                                         HKCU\software\classes\allfilesystemobjects\clsid
  Opens key:
                                         {\tt HKCR\ left} lesystemobjects\ lesid
  Opens key:
  Opens key:
                                         HKCU\software\classes\.html
  Opens key:
                                         HKCR\.html
                                         HKCU\software\classes\.html\openwithprogids
  Opens key:
  Opens kev:
                                         HKCR\.html\openwithprogids
  Opens key:
HKCU\software\microsoft\windows\currentversion\explorer\fileexts\.html\openwithprogids
  Opens key:
                                         \label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ explorer\+ fileexts
  Opens key:
                                         \label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\explorer\fileexts\label{lem:hkcu}.html}
  Opens key:
                                         HKCU\software\microsoft\windows\currentversion\explorer\fileexts\.html\
  Opens key:
\label{thm:local_hammon} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \explorer \fileexts \html \userchoice \end{tabular}
  Opens key:
                                         HKCU\software\classes\htmlfile
  Opens key:
                                         HKCR\htmlfile
  Opens key:
                                         HKCU\software\classes\htmlfile\curver
  Opens key:
                                         HKCR\htmlfile\curver
  Opens key:
                                         HKCR\htmlfile\
  Opens key:
                                         HKCU\software\classes\htmlfile\shellex\iconhandler
  Opens key:
                                         HKCR\htmlfile\shellex\iconhandler
  Opens key:
                                         HKCU\software\classes\htmlfile\docobject
  Opens key:
                                         HKCR\htmlfile\docobject
  Opens key:
                                         HKCU\software\classes\systemfileassociations\.html
  Opens key:
                                         HKCR\systemfileassociations\.html
  Opens key:
                                         HKCU\software\classes\systemfileassociations\.html\docobject
                                         HKCR\systemfileassociations\.html\docobject
  Opens key:
  Opens kev:
                                         HKCU\software\classes\systemfileassociations\document
  Opens key:
                                         HKCR\systemfileassociations\document
  Opens kev:
                                         HKCU\software\classes\htmlfile\browseinplace
                                         HKCR\htmlfile\browseinplace
  Opens kev:
  Opens key:
                                         \label{lem:hkcu} \verb+KKCU\software\classes\systemfileassociations\.html\browseinplace
  Opens key:
                                         HKCR\systemfileassociations\.html\browseinplace
                                         HKCU\software\classes\htmlfile\clsid
  Opens key:
  Opens key:
                                         HKCR\htmlfile\clsid
  Opens key:
                                         HKCU\software\classes\clsid\{25336920-03f9-11cf-8fd0-
00aa00686f13}\implemented categories\{00021490-0000-0000-c000-00000000046}
  Opens key:
                                         categories\{00021490-0000-0000-c000-00000000046}
  Opens key:
                                         HKLM\software\microsoft\windows nt\currentversion\image file execution
options\iexplore.exe
  Opens key:
                                         HKLM\system\currentcontrolset\control\session manager\appcertdlls
  Opens key:
                                         HKLM\system\currentcontrolset\control\session manager\appcompatibility
  Opens key:
                                         HKLM\software\policies\microsoft\windows\appcompat
  Opens key:
                                         HKCU\software\microsoft\windows nt\currentversion
                                         \label{thm:local_hammon_hammon} \begin{tabular}{ll} HKCU \software \mbox{$\mathbb{N}$ indows nt \current version \approx{$\mathbb{N}$ approx $\mathbb{N}$ appr
  Opens key:
  Opens key:
                                         HKLM\software\microsoft\windows nt\currentversion\appcompatflags
  Opens key:
                                         HKLM\software\microsoft\windows
nt\currentversion\appcompatflags\custom\iexplore.exe
                                         HKLM\software\microsoft\windows nt\currentversion\image file execution
  Opens key:
options
                                         HKLM\software\microsoft\tracing\iexplore_rasapi32
  Opens kev:
                                         HKLM\software\microsoft\windows nt\currentversion\profilelist
  Opens kev:
                                         HKLM\system\currentcontrolset\control\sgmservicelist
  Opens key:
  Opens kev:
                                         HKLM\software\microsoft\windows\windows error reporting\wmr
                                         HKLM\software\microsoft\windows\currentversion\setup
  Opens key:
                                         HKLM\software\microsoft\tracing\iexplore_rasmancs
  Opens key:
                                         HKCU\software\classes\autoproxytypes
  Opens kev:
  Opens key:
                                         HKCR\autoproxytypes
  Opens key:
                                         \label{lem:hkcu} \mbox{HKCU\software\classes\autoproxytypes\application/x-internet-signup} \\
  Opens key:
                                         {\tt HKCR} \verb|\autoproxytypes| application/x-internet-signup
  Opens key:
                                         \label{lem:hkcu} \begin{tabular}{ll} HKCU \software \classes \autoproxy types \application/x-ns-proxy-autoconfig \end{tabular}
  Opens kev:
                                         HKCR\autoproxytypes\application/x-ns-proxy-autoconfig
  Opens key:
11e3-b3bc-806e6f6e6963}\
  Opens key:
                                         \label{lem:hkcu} \verb+KCU\+software\+microsoft\+windows\ nt\+current\+version\+app\+compatflags
  Opens key:
                                         HKCU\software\classes\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d}
  Opens key:
                                         HKCR\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d}
                                         HKCU\software\classes\clsid\{1f486a52-3cb1-48fd-8f50-
  Opens key:
b8dc300d9f9d}\treatas
                                         HKCR \c1sid \{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d} \treat as
  Opens kev:
  Opens key:
                                         HKCU\software\classes\clsid\{1f486a52-3cb1-48fd-8f50-
b8dc300d9f9d}\progid
  Opens key:
                                         HKCR\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d}\progid
  Opens key:
                                         HKCU\software\classes\clsid\{1f486a52-3cb1-48fd-8f50-
```

```
b8dc300d9f9d}\inprocserver32
                                                                  HKCR\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d}\inprocserver32
     Opens key:
    Opens key:
                                                                  HKCU\software\classes\clsid\{1f486a52-3cb1-48fd-8f50-
b8dc300d9f9d}\inprochandler32
                                                                 HKCR\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d}\inprochandler32
    Opens key:
                                                                  HKCU\software\classes\clsid\{1f486a52-3cb1-48fd-8f50-
     Opens key
b8dc300d9f9d}\inprochandler
                                                                  HKCR\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d}\inprochandler
    Opens key:
    Opens key:
HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{1b3ea5dc-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-4786-b587-47
b4ef-bd1dc332aeae}
    Opens key:
HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786-
b4ef-bd1dc332aeae}\propertybag
    Opens kev:
8648-d5d44b04ef8f}
    Opens key:
HKLM \label{lem:hklm} Which is the latest and the
8648-d5d44b04ef8f}\propertybag
                                                                  HKCU\software\classes\clsid\{59031a47-3f72-44a7-89c5-
    Opens key:
 5595fe6b30ee}\shellfolder
                                                                  HKCR\clsid\{59031a47-3f72-44a7-89c5-5595fe6b30ee}\shellfolder
    Opens key:
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                                                                  HKCU\software\microsoft\windows\currentversion\explorer\clsid\{59031a47-
3f72-44a7-89c5-5595fe6b30ee}\shellfolder
    Opens key:
                                                                  HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus (59031a47-ball) + (59031a47-bal
3f72-44a7-89c5-5595fe6b30ee}\shellfolder
    Opens key:
                                                                  HKLM\system\currentcontrolset\services\dnscache\parameters
    Opens key:
                                                                  HKLM\software\policies\microsoft\windows nt\dnsclient
    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
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    Opens kev:
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                                                                  HKLM\system\currentcontrolset\services\winsock\setup migration\providers
    Opens key:
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806e6f6e6963}
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1709a0196aed}
    Opens key:
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{7b9cb019-1924-49a5-867c-
a68f334c8d34}
    Opens key:
                                                                  HKLM\system\currentcontrolset\services\tcpip\linkage
    Opens key:
                                                                  HKLM\software\microsoft\directui
                                                                  HKCU\software\classes\interface\{1ac7516e-e6bb-4a69-b63f-e841904dc5a6}
    Opens kev:
                                                                  HKCR\interface\{1ac7516e-e6bb-4a69-b63f-e841904dc5a6}
    Opens kev:
                                                                  HKCU\software\classes\interface\{1ac7516e-e6bb-4a69-b63f-
    Opens key:
e841904dc5a6}\proxystubclsid32
                                                                  HKCR\interface\{1ac7516e-e6bb-4a69-b63f-e841904dc5a6}\proxystubclsid32
    Opens key:
    Opens key:
                                                                  HKCU\software\classes\clsid\{a4a1a128-768f-41e0-bf75-e4fddd701cba}
    Opens kev:
                                                                  HKCR\clsid\{a4a1a128-768f-41e0-hf75-e4fddd701cha}
    Opens key:
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 e4fddd701cba}\treatas
    Opens key:
                                                                  HKCR\clsid\{a4a1a128-768f-41e0-bf75-e4fddd701cba}\treatas
    Opens key:
                                                                  HKCU\software\classes\clsid\{a4a1a128-768f-41e0-bf75-
 e4fddd701cba}\progid
    Opens key:
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                                                       HKCR\ interface \ \{9ec704ba-e1d4-45c5-9b59-bfae07d9f04e\} \ proxystubclsid 3216 \ and \ a
   Opens key:
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   Opens key:
                                                       HKCU\software\classes\interface\{b40c43f1-f039-44d2-aeb7-87f5af8abc3d}
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87f5af8abc3d}\proxystubclsid32
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                                                       HKCU\software\classes\clsid\{18df081c-e8ad-4283-a596-
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nt\currentversion\appcompatflags\custom\jp2ssv.dll
                                                       HKCU\software\classes\clsid\{dbc80044-a445-435b-bc74-
   Opens key:
9c25c1c588a9}\progid
                                                       \label{locality} $$ HKCR\clsid_{dbc80044-a445-435b-bc74-9c25c1c588a9} \rightarrow \cline{HKCR} $$ (a) $$ (b) $$ (b) $$ (b) $$ (c) $$ (c)
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   Opens key:
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abcdeffedcbc}\inprocserver32
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  Opens key:
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                                   HKCU\software\classes\clsid\{e7e4bc40-e76a-11ce-a9bb-
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                                   \label{thm:constraint} \begin{tabular}{ll} HKCU \software \mbox{$\stackrel{\cdot}{$}$ microsoft \windows \current version \shell extensions \cached \end{tabular}
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00aa004ae837}\progid
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  Opens kev:
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                                   \label{lem:hklm} \verb+Kklm\+ software\+ policies\+ microsoft\+ internet\ explorer\+ browsere mulation
  Opens key:
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00c04fb6bfc4}\treatas
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  Opens kev:
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  Opens key:
explorer\main\featurecontrol\feature_read_zone_strings_from_registry
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                                   HKLM\software\microsoft\windows\currentversion\internet settings\zones\1
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explorer\main\featurecontrol\feature_enable_compat_logging
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settings\accepted documents
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  Opens key:
explorer\main\featurecontrol\feature_show_failed_connect_content_kb942615
  Opens key:
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explorer\main\featurecontrol\feature_show_failed_connect_content_kb942615
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HKCU\software\microsoft\internet

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explorer\main\featurecontrol\feature_zones_default_drive_intranet_kb941000
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  Opens kev:
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explorer\main\featurecontrol\feature_css_data_respects_xss_zone_setting_kb912120
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  Opens key:
explorer\main\featurecontrol\feature css data respects xss zone setting kb912120
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explorer\main\featurecontrol\feature_legacy_dispparams
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explorer\main\featurecontrol\feature_display_node_advise_kb833311
  Opens key:
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explorer\main\featurecontrol\feature_enable_dynamic_object_caching
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explorer\main\featurecontrol\feature_legacy_tostring_in_compatview
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explorer \verb|\main| featurecontrol| feature\_enable\_om\_screen\_origin\_display\_pixels
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explorer\main\featurecontrol\feature_restrict_crash_recovery_save_kb978454
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explorer\main\featurecontrol\feature_restrict_crash_recovery_save_kb978454
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explorer\main\featurecontrol\feature_cleanup_at_fls
 Opens key:
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explorer\main\featurecontrol\feature_mime_handling
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                          HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_safe_bindtoobject
 Opens key:
                          HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_safe_bindtoobject
 Opens key:
                          HKCU\software\classes\clsid\{25336920-03f9-11cf-8fd0-00aa00686f13}
 Opens key:
                          HKCR\clsid\{25336920-03f9-11cf-8fd0-00aa00686f13}
 Opens key:
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00aa00686f13}\treatas
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00aa00686f13}\inprochandler32
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00aa00686f13}\inprochandler
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\verb|explorer'| main feature control feature manage_script_circular_refs|
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explorer\main\featurecontrol\feature_manage_script_circular_refs
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                          HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_restrict_filedownload
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explorer\main\featurecontrol\feature_restrict_filedownload
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                          HKCU \setminus software \setminus classes \setminus clsid \setminus \{a6b222ab-a5ea-4899-b230-084657eddc7d\}
 Opens key:
                          HKCR\clsid\{a6b222ab-a5ea-4899-b230-084657eddc7d}
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                          HKCU\software\classes\clsid\{a6b222ab-a5ea-4899-b230-
084657eddc7d}\treatas
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HKCR\clsid\{25336920-03f9-11cf-8fd0-00aa00686f13}\innrochandler

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HKLM\software\microsoft\internet explorer\security\adv addrbar spoof Opens key: detection

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

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

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

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

 $\begin{tabular}{ll} HKCU \label{limits} \textbf{HKCU} \end{tabular} \dot{\textbf{microsoft}} \end{tabular} internet explorer \end{tabular} \dot{\textbf{phishingfilter}} \end{tabular}$ Opens key:

HKCU\software\microsoft\internet Opens kev:

explorer\main\featurecontrol\feature_ipersistmoniker_load_redirected_url_kb976425

Opens key: HKLM\software\microsoft\internet

explorer\main\featurecontrol\feature_ipersistmoniker_load_redirected_url_kb976425 Opens key: HKCU\software\microsoft\internet explorer\international

Opens key: HKLM\software\policies\microsoft\internet explorer\international\scripts

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db04a3eb7ce1}\proxystubclsid32
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\dot{\text{explorer}} \\ \dot{\text{main}} \\ \text{feature\_zone\_elevation}
  Opens key:
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explorer\main\featurecontrol\feature_zone_elevation
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\verb|explorer| \verb|main| featurecontrol| feature\_browser\_emulation|
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explorer\main\featurecontrol\feature_xssfilter
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00a0c90a8f39}\treatas
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0080c7f4ee85}\proxystubclsid32
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                                                                     HKCU\software\classes\typelib\{eab22ac0-30c1-11cf-a7eb-0000c05bae0b}\1.1
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explorer\main\featurecontrol\feature_status_bar_throttling
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explorer\main\featurecontrol\feature_status_bar_throttling
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Opens key: HKCR\clsid\\50d5107a-d278-4871-8989-f4ceaaf59cfc\\treatas
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 f4ceaaf59cfc}\inprocserver32
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850d-79d08e667ca7}\propertybag
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                                                                                                     \label{lem:hkcu} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \ext \stats \colored \colored
 11cf-aaa5-00401c608501}\iexplore
       Opens key:
                                                                                                      HKLM\software\policies\microsoft\internet explorer\caretbrowsing
                                                                                                      HKCU\software\microsoft\internet explorer\caretbrowsing
       Opens kev:
                                                                                                      HKLM\software\microsoft\internet explorer\migration
       Opens key:
       Opens key:
                                                                                                      HKLM \ software \ microsoft \ cryptography \ defaults \ provider \ types \ \ type \ 001
       Opens key:
                                                                                                      HKCU\software\microsoft\internet explorer\user preferences
       Opens key:
                                                                                                      HKCU\software\microsoft\windows\currentversion\explorer\shell folders
       Opens key:
bd18-167343c5af16}
       Opens kev:
HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus folder descriptions \setminus \{a520a1a4-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff6-1780-4ff0-1780-4ff0-1780-4ff0-1780-4ff0-1780-4ff0-1780-4ff0-1780-4ff0-1780-4ff0-1780-4ff0-1780-4ff0-1780-4ff0-1780-4ff0-1780-4ff0-1780-4ff0-178
bd18-167343c5af16}\propertybag
                                                                                                      HKLM\software\oracle\javafx
       Opens kev:
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                                                                                                      {\tt HKLM \setminus software \setminus javas oft \setminus java \ runtime \ environment \setminus 1.7}
       Opens key:
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options\jp2launcher.exe
       Opens key:
                                                                                                      HKLM\software\microsoft\windows
\verb|nt\currentversion\appcompatflags\custom\jp2launcher.exe|
                                                                                                      HKLM \verb|\system| current controlset \verb|\control| network provider \verb|\hworder| and the substitution of the 
       Opens key:
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options\java.exe
                                                                                                      {\tt HKLM \setminus software \setminus microsoft \setminus windows \ nt \setminus current version \setminus app compatflags \setminus layers}
       Opens key:
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                                                                                                      HKLM\software\microsoft\windows
 nt\currentversion\appcompatflags\custom\java.exe
                                                                                                      HKLM\hardware\devicemap\video
       Opens key:
       Opens key:
                                                                                                      HKLM\system\currentcontrolset\control\video\{c54b6caf-be91-4a10-ab56-
 fd27e3774e32}\0000
       Opens key:
HKLM\system\currentcontrolset\control\video\{deb039cc-b704-4f53-b43e-
       Opens key:
 9dd4432fa2e9}\0000
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 8ed0c8eb59a8}\0000
       Opens key:
                                                                                                      HKLM\software\microsoft\direct3d
                                                                                                      HKLM\software\microsoft\direct3d\drivers
       Opens kev:
                                                                                                      HKCU\software\microsoft\direct3d
       Opens kev:
       Opens key:
                                                                                                      HKLM\system\currentcontrolset\control\graphicsdrivers\scheduler
                                                                                                      HKLM\software\microsoft\direct3d\dx6textureenuminclusionlist
       Opens kev:
       Opens key:
                                                                                                      HKCU\software\microsoft\direct3d\drivers
                                                                                                      HKLM\software\microsoft\direct3d\drivers\direct3d hal
       Opens key:
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                                                                                                      HKLM\software\microsoft\direct3d\drivers\ramp emulation
                                                                                                      {\it HKLM \backslash software \backslash microsoft \backslash direct 3d \backslash drivers \backslash rgb\ \ emulation}
       Opens key:
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Opens key:
                                                                                                      HKLM\system\currentcontrolset\control\class\{4d36e96e-e325-11ce-bfc1-
08002be10318}\0000\modes
       Opens key:
                                                                                                      HKLM \ system \ control \ class \ \{4d36e96e-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-11ce-bfc1-e325-
08002be10318}\0000\modes\640,480
       Opens key:
parameters
       Opens kev:
                                                                                                      HKLM\system\currentcontrolset\hardware
profiles \verb|\current| - control + c
 fd27e3774e32}\0000
       Opens key:
                                                                                                      HKLM\system\currentcontrolset\hardware
Opens key:
                                                                                                      HKLM\software\microsoft\directdraw\gammacalibrator
```

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Opens key:
HKLM\system\currentcontrolset\services\winsock2\parameters\appid_catalog\31a2f55e-39f42583
   Opens key:
\label{lem:hklm} \verb+KkLM\+ system \current control set \end{+services } winsock 2 \parameters \appid\_catalog \allower \appid\_catalog \appid\_catalo
                                                HKLM\software\javasoft\java update\policy
   Opens key:
                                                HKCU\control panel\desktop\windowmetrics
   Opens kev:
                                                HKCU\software\microsoft\windows\currentversion\policies\comdlg32
   Opens key:
   Opens key:
HKCU\software\microsoft\windows\currentversion\policies\comdlg32\placesbar
                                                HKCU\software\microsoft\windows\currentversion\thememanager
   Opens key:
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                                                HKCU\eudc\1252
   Queries value:
                                                HKLM\system\currentcontrolset\control\session
manager[cwdillegalindllsearch]
   Oueries value:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers[transparentenabled]
                                                HKCU\control panel\desktop[preferreduilanguages]
   Queries value:
   Oueries value:
                                                HKCU\control panel\desktop\muicached[machinepreferreduilanguages]
   Oueries value:
HKLM \verb|\software\microsoft\windows\currentversion\sidebyside[preferexternal manifest]|
                                                HKLM\system\currentcontrolset\control\nls\sorting\versions[]
   Oueries value:
   Queries value:
                                                HKLM\system\currentcontrolset\control\session manager[safedllsearchmode]
   Oueries value:
                                                HKLM\software\microsoft\windows
nt\currentversion\gre_initialize[disablemetafiles]
   Queries value:
                                                HKLM\software\microsoft\windows
nt\currentversion\compatibility32[iexplore]
   Queries value:
                                                HKLM\system\currentcontrolset\control\cmf\config[system]
   Queries value:
                                                HKLM\software\microsoft\windows
nt\currentversion\windows[loadappinit_dlls]
                                                HKLM\software\microsoft\ole[pageallocatorusesystemheap]
   Queries value:
   Queries value:
                                                HKLM\software\microsoft\ole[pageallocatorsystemheapisprivate]
                                                HKLM\system\currentcontrolset\services\crypt32[debugheapflags]
   Queries value:
   Queries value:
                                                HKLM\software\microsoft\windows\currentversion\internet
settings[disableimprovedzonecheck]
   Oueries value:
                                                HKLM\software\policies\microsoft\windows\currentversion\internet
settings[security_hklm_only]
   Queries value:
                                                HKLM\software\microsoft\internet explorer\main[depoff]
   Queries value:
                                                HKLM\software\microsoft\internet explorer\low
rights[protectedmodeoffforallzones]
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   Queries value:
                                                HKLM\software\microsoft\internet explorer\main[tabprocgrowth]
   Queries value:
   Oueries value:
HKLM\software\microsoft\windows\currentversion\policies\system[enablelua]
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   Queries value:
                                                HKCU\software\microsoft\internet
   Oueries value:
explorer\setup[havecreatedquicklaunchitems]
                                                HKLM\system\currentcontrolset\control\wmi\security[0cfe0455-93ba-440d-
   Oueries value:
a3fe-553973d0b7231
   Queries value:
                                                HKLM\system\currentcontrolset\control\wmi\security[797fabac-7b58-4796-
b924-d51178a59ce41
   Oueries value:
                                                HKCU\software\microsoft\windows\currentversion\internet
settings[fromcachetimeout]
   Oueries value:
                                                HKLM \verb|\software\policies\microsoft\windows\currentversion\ | internet
settings[secureprotocols]
   Queries value:
                                                \label{lem:hkcu} \verb+KKCU\+ software\+ policies\+ microsoft\+ windows\+ current version\+ internet
settings[secureprotocols]
                                                HKCU\software\microsoft\windows\currentversion\internet
   Queries value:
settings[secureprotocols]
                                                HKCU\software\microsoft\windows\currentversion\internet
   Queries value:
settings[certificaterevocation]
   Oueries value:
                                                HKCU\software\microsoft\windows\currentversion\internet
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]
                                                \label{thm:local_hammon_hammon} \begin{tabular}{ll} HKLM \label{thm:local_hammon} Software \begin{tabular}{ll} policies \end{tabular} in the constant \begin
   Oueries value:
settings[enablehttp1_1]
   Oueries value:
                                                HKCU\software\policies\microsoft\windows\currentversion\internet
settings[enablehttp1_1]
   Queries value:
                                                HKCU\software\microsoft\windows\currentversion\internet
settings[enablehttp1 1]
                                                \label{lem:hklm} \verb+Kklm\+ software\+ policies\+ microsoft\+ windows\+ current version\+ internet
   Queries value:
settings[proxyhttp1.1]
   Queries value:
                                                HKCU\software\policies\microsoft\windows\currentversion\internet
settings[proxyhttp1.1]
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settings[proxyhttp1.1]
   Queries value
                                                HKCU\software\microsoft\windows\currentversion\internet
settings[enablenegotiate]
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   Queries value:
settings[disablebasicoverclearchannel]
                                                HKCU\software\microsoft\internet
   Queries value:
\verb|explorer\main\featurecontrol[feature\_clientauthcertfilter]| \\
   Queries value:
                                                HKLM\software\microsoft\internet
explorer\main\featurecontrol[feature_clientauthcertfilter]
   Oueries value:
                                                HKCU\software\microsoft\windows\currentversion\internet
settings[clientauthbuiltinui]
                                                HKLM\software\microsoft\rpc[maxrpcsize]
   Queries value:
   Oueries value:
HKLM\system\currentcontrolset\control\computername\activecomputername[computername]
```

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Queries value:
                          HKLM\system\setup[oobeinprogress]
 Queries value:
                          HKLM\system\setup[systemsetupinprogress]
 Queries value:
                          HKLM\software\microsoft\sqmclient\windows[ceipenable]
                          HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[syncmode5]
 Oueries value:
settings\5.0\cache[sessionstarttimedefaultdeltasecs]
```

 ${\tt HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus internet}$

Queries value: $\label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet$ settings\5.0\cache[signature]

Queries value:

HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\content[peruseritem]

HKLM\software\microsoft\windows\currentversion\internet settings\5.0\cache\content[peruseritem]

Queries value: Oueries value:

ba85-6007caedcf9d}[category]

Oueries value:

ba85-6007caedcf9d}[name]

Oueries value:

ba85-6007caedcf9d}[parentfolder]

Oueries value:

ba85-6007caedcf9d}[description]

Queries value:

ba85-6007caedcf9d}[relativepath]

ba85-6007caedcf9d}[parsingname]

ba85-6007caedcf9d}[infotip]

Queries value:

ba85-6007caedcf9d}[localizedname]

Queries value:

ba85-6007caedcf9d}[icon]

Oueries value:

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

Oueries value:

ba85-6007caedcf9d}[streamresource]

Oueries value:

ba85-6007caedcf9d}[streamresourcetype]

Oueries value:

ba85-6007caedcf9d}[localredirectonly] Oueries value:

ba85-6007caedcf9d}[roamable]

ba85-6007caedcf9d}[precreate] Queries value:

ba85-6007caedcf9d}[stream]

Queries value:

ba85-6007caedcf9d}[publishexpandedpath]

Oueries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version' \ explorer \ 'folder descriptions \ '{352481e8-33be-4251-24be-42$ ba85-6007caedcf9d}[attributes]

Oueries value:

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

Oueries value:

 $HKLM \label{lem:hklm} White the latest and the la$ ba85-6007caedcf9d}[initfolderhandler]

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

folders[cache]

Queries value: HKLM\system\currentcontrolset\control\nls\customlocale[en-us] Oueries value: $\label{lem:hklm} \verb+Kklm \system \current control \end{substitute} is less than the lemma of th$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ \ folder descriptions \ \ \ \ ff 1b 32785 - 6f ba - 4f cf - 6f ba - 4f ba - 4$ 9d55-7b8e7f157091}[category]

Queries value:

9d55-7b8e7f157091}[name]

9d55-7b8e7f157091}[parentfolder]

Oueries value:

9d55-7b8e7f157091}[description]

Oueries value:

9d55-7b8e7f157091}[relativepath]

Oueries value:

9d55-7b8e7f157091}[parsingname]

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

 $HKLM \label{lem:hklm} Which is a full derivative of the second of the$ 9d55-7b8e7f157091}[localizedname]

Queries value:

9d55-7b8e7f157091}[icon]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{f1b32785-6fba-4fcf-9d55-7b8e7f157091}[securitv1

Queries value:

 $HKLM \setminus software \setminus irrosoft \setminus ir$ 9d55-7b8e7f157091}[streamresource]

Oueries value:

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

Queries value:

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

Queries value:

9d55-7b8e7f157091}[roamable]

Queries value:

9d55-7b8e7f157091}[precreate]

9d55-7b8e7f157091}[stream]

Oueries value:

 $HKLM \label{lem:hklm} Which is a full derivative of the second of the$ 9d55-7b8e7f157091}[publishexpandedpath]

Queries value:

9d55-7b8e7f157091}[attributes]

Queries value:

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

Queries value:

 $HKLM \setminus software \setminus irrosoft \setminus ir$ 9d55-7b8e7f157091}[initfolderhandler]

Oueries value: folders[local appdata] HKCU\software\microsoft\windows\currentversion\explorer\user shell

Queries value:

 $HKLM \label{lem:hklm} HKLM \label{lem:hklm} HKLM \label{lem:hklm} With the lem \label{lem:hklm} With the lem \label{lem:hklm} HKLM \label{lem:hklm} With the lem \label{lem:hkklm} HKLM \label{lem:hkklm} With the lem \label{le$ 9afe-ea3317b67173}[category]

Queries value:

9afe-ea3317b67173}[name]

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version' \ explorer \ 'folder descriptions \ '\xi 5e6c858f-0e22-4760-1200' \ explorer \ 'folder descriptions' \ 'folder des$ 9afe-ea3317b67173}[parentfolder] Queries value:

9afe-ea3317b67173}[description] Oueries value:

9afe-ea3317b67173}[relativepath]

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version' \ explorer \ 'folder descriptions \ '\xi 5e6c858f-0e22-4760-1000 \ explorer \ 'folder descriptions' \ 'folder desc$ 9afe-ea3317b67173}[parsingname]

Queries value:

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

Oueries value:

9afe-ea3317b67173}[localizedname]

Queries value:

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

Queries value:

 $HKLM \label{lem:hklm} HKLM \label{lem:hklm} HKLM \label{lem:hklm} Software \label{lem:hklm} with the highest lemma \label{lem:hklm} HKLM \label{lem:hklm} Software \label{lem:hklm} \label{lem:hklm} With \label{lem:hklm} HKLM \label{lem:hklm} Software \label{lem:hklm} With \label{lem:hklm} HKLM \label{lem:hklm} Software \label{lem:hklm} With \label{lem:hkklm} HKLM \label{lem:hkklm} Software \label{lem:hkklm} With \label{lem:hkklm} W$ 9afe-ea3317b67173}[security]

Queries value:

9afe-ea3317b67173}[streamresource]

Queries value:

9afe-ea3317b67173}[streamresourcetype]

9afe-ea3317b67173}[localredirectonly]

Oueries value:

9afe-ea3317b67173}[roamable]

Oueries value:

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

Oueries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version' \ explorer \ 'folder descriptions \ '\xi 5e6c858f-0e22-4760-1000 \ explorer \ 'folder descriptions' \ 'folder desc$ 9afe-ea3317b67173}[stream]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{5e6c858f-0e22-4760-9afe-ea3317b67173}[publishexpandedpath1

9afe-ea3317b67173}[attributes]

Queries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version' \ explorer \ 'folder descriptions \ '\xi 5e6c858f-0e22-4760-1000 \ explorer \ 'folder descriptions' \ 'folder desc$ 9afe-ea3317b67173}[foldertypeid]

Queries value:

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

 $\label{thm:local_hammon_hammon} \begin{tabular}{ll} HKLM\software\mbox{\sc microsoft\windows} & nt\current\version\profilelist\sc -1-5-21-plane \end{tabular}$ Queries value:

2160590473-689474908-1361669368-1002[profileimagepath]

Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\content[cacheprefix]

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

settings\5.0\cache\content[cachelimit]

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

settings\5.0\cache\cookies[peruseritem]

Queries value: ${\tt HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus internet}$

settings\5.0\cache\cookies[peruseritem]

Queries value:

908e-08a611b84ff6}[category]

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

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

Queries value:

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

Queries value:

908e-08a611b84ff6}[relativepath]

Oueries value:

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

Oueries value:

 $HKLM \label{lem:hklm} HKLM \label{lem:hklm} HKLM \label{lem:hklm} With the label{lem:hklm} HKLM \label{lem:hklm} With the label{lem:hkklm} HKLM \label{lkklm} With the label{lkklm} HKLM \label{lkklm} With the label{lkklm} With the lkklm \label{lkklm} With the lkklm \label{lkklm}$ 908e-08a611b84ff6}[infotip]

Queries value:

908e-08a611b84ff6}[localizedname] Oueries value:

908e-08a611b84ff6}[icon] Oueries value: $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{2b0f765d-c0e9-4171-descriptions\} \ for the software \ microsoft \ windows \ for the software \ microsoft \ microsoft$

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

908e-08a611b84ff6}[streamresource]

Queries value: HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{2b0f765d-c0e9-4171-

908e-08a611b84ff6}[streamresourcetype] Queries value:

908e-08a611b84ff6}[localredirectonly]

Oueries value:

908e-08a611b84ff6}[roamable]

Oueries value:

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

Oueries value:

908e-08a611b84ff6}[stream]

Oueries value:

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

Oueries value:

908e-08a611b84ff6}[attributes]

Queries value:

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

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

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

folders[cookies]

Oueries value:

a03a-e3ef65729f3d}[category]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-

a03a-e3ef65729f3d}[name]

Queries value:

a03a-e3ef65729f3d}[parentfolder]

Queries value:

a03a-e3ef65729f3d}[description]

Queries value:

a03a-e3ef65729f3d}[relativepath]

Oueries value:

a03a-e3ef65729f3d}[parsingname]

Oueries value:

a03a-e3ef65729f3d}[infotip]

Oueries value:

 $HKLM \label{lem:hklm} Which will be a substitute of the latest and the latest a$ a03a-e3ef65729f3d}[localizedname]

Oueries value:

a03a-e3ef65729f3d}[icon]

Oueries value:

a03a-e3ef65729f3d}[security]

Queries value:

a03a-e3ef65729f3d}[streamresource]

a03a-e3ef65729f3d}[streamresourcetype]

Queries value:

a03a-e3ef65729f3d}[localredirectonlv1

Queries value:

a03a-e3ef65729f3d}[roamable]

Queries value:

a03a-e3ef65729f3d}[precreate]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6a03a-e3ef65729f3d}[stream]

Oueries value:

a03a-e3ef65729f3d}[publishexpandedpath]

Oueries value:

a03a-e3ef65729f3d}[attributes]

Oueries value:

a03a-e3ef65729f3d}[foldertypeid]

Queries value:

a03a-e3ef65729f3d}[initfolderhandler]

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

folders[appdata]

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

settings\5.0\cache\cookies[cacheprefix]

Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\cookies[cachelimit]

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

settings\5.0\cache\history[peruseritem] HKLM\software\microsoft\windows\currentversion\internet

Queries value: settings\5.0\cache\history[peruseritem]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432ea781-5a1130a75963}[category]

Oueries value: HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432ea781-5a1130a75963}[name]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432ea781-5a1130a75963}[parentfolder]

Queries value:

 $HKLM \label{lem:hklm} KLM \label{lem:hklm} HKLM \label{lem:hklm} With the lem \label{lem:hklm} HKLM \label{lem:hklm} With the lem \label{lem:hkklm} With the lem$ a781-5a1130a75963}[description]

Queries value:

a781-5a1130a75963}[relativepath]

a781-5a1130a75963}[parsingname]

 $HKLM \ software \ microsoft \ windows \ current version \ (explorer \ folder descriptions) \ (d9 dc8 a 3b-b784-432e-b784-42e-b784-42e-b784-42e-b784-42e-b784-42e-b784-42e-b784-42e-b784-42e-b784-42e-b784-42e-b784-42e-b784-42e$ a781-5a1130a75963}[infotip]

Oueries value:

a781-5a1130a75963}[localizedname]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432ea781-5a1130a75963}[icon]

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Oueries value:
```

a781-5a1130a75963}[security]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432ea781-5a1130a75963}[streamresource]

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{d9dc8a3b-b784-432e-d84b, d9dc8a3b-b784-432e-d84b, d9dc8a3b-b784b, d9dc8a3b-b784-432e-d84b, d9dc8a3b-b784b, d9dc8a4b, d9dc8a4b$ a781-5a1130a75963}[streamresourcetype]

Queries value:

a781-5a1130a75963}[localredirectonly]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432ea781-5a1130a75963}[roamable]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432ea781-5a1130a75963}[precreate]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432ea781-5a1130a75963}[stream]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d9dc8a3b-b784-432ea781-5a1130a75963}[publishexpandedpath]

Oueries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{d9dc8a3b-b784-432e-d84b, d9dc8a3b-b784-432e-d84b, d9dc8a3b-b784b, d9dc8a3b-b784-432e-d84b, d9dc8a3b-b784b, d9dc8a4b, d9dc8a4b$ a781-5a1130a75963}[attributes]

Queries value:

a781-5a1130a75963}[foldertypeid]

a781-5a1130a75963}[initfolderhandler]

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

folders[history]

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

settings\5.0\cache\history[cacheprefix]

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

settings\5.0\cache\history[cachelimit]

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

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

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

Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\domstore[cacheprefix]

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

settings\5.0\cache\extensible cache\domstore[cachelimit]

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

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

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

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

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

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

Queries value:

HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\feedplat[cachelimit]

HKCU\software\microsoft\windows\currentversion\internet Queries 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: $\label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet$

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

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

settings\5.0\cache\extensible cache\iecompat[cacheprefix]

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

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 Oueries 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]

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

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

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

settings\5.0\cache\extensible cache\ietld[cachelimit] Queries value:

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

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

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]

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

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

Queries value:

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

```
settings[displayscriptdownloadfailureui]
                                                HKCU\software\policies\microsoft\windows\currentversion\internet
   Queries value:
settings[mbcsservername]
                                                HKCU\software\policies\microsoft\windows\currentversion\internet
   Queries value:
settings[mbcsapiforcrack]
   Oueries value:
                                                HKCU\software\policies\microsoft\windows\currentversion\internet
settings[utf8servernameres]
   Queries value:
                                                HKCU\software\microsoft\windows\currentversion\internet
settings[disableworkerthreadhibernation]
                                                HKLM\software\microsoft\windows\currentversion\internet
   Queries value:
settings[disableworkerthreadhibernation]
  Queries value:
                                               HKCU\software\microsoft\windows\currentversion\internet
settings[disablereadrange]
                                               HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings[socketsendbufferlength]
                                                HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[socketreceivebufferlength]
  Queries 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]
   Queries value:
                                                {\tt HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus internet}
settings[maxconnectionsperserver]
   Queries value:
                                                HKCU\software\microsoft\windows\currentversion\internet
settings[maxconnectionsper1_0server]
                                                HKLM\software\microsoft\windows\currentversion\internet
   Queries value:
settings[maxconnectionsper1_0server]
   Queries value:
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settings[maxconnectionsperproxy]
   Queries value:
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settings[serverinfotimeout]
   Oueries value:
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settings[connecttimeout]
   Queries value:
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settings[connecttimeout]
                                                HKCU\software\microsoft\windows\currentversion\internet
   Queries value:
settings[connectretries]
                                                HKLM\software\microsoft\windows\currentversion\internet
   Queries value:
settings[connectretries]
                                                HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings[sendtimeout]
  Oueries value:
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settings[sendtimeout]
                                                HKCU\software\microsoft\windows\currentversion\internet
   Oueries value:
settings[receivetimeout]
   Queries value:
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settings[receivetimeout]
   Oueries value:
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settings[disablentlmpreauth]
   Oueries value:
                                                \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \current \end{tensor}
settings[scavengecachelowerbound]
                                                HKCU\software\microsoft\windows\currentversion\internet
   Queries value:
settings[certcachenovalidate]
   Queries value:
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settings\5.0\cache[scavengecachefilelifetime]
                                                HKCU\software\policies\microsoft\windows\currentversion\internet
   Queries value:
settings\5.0\cache[scavengecachefilelimit]
   Oueries value:
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settings\5.0\cache[scavengecachefilelimit]
   Queries value:
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settings\5.0\cache[scavengecachefilelimit]
                                                HKCU\software\microsoft\windows\currentversion\internet
   Queries value:
settings[httpdefaultexpirytimesecs]
                                                HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[ftpdefaultexpirytimesecs]
                                                HKLM\software\microsoft\internet
  Oueries value:
explorer\main\featurecontrol\feature disable unicode handle closing callback[iexplore.exe]
                                                HKLM\software\microsoft\internet
   Oueries value:
explorer\main\featurecontrol\feature_disable_unicode_handle_closing_callback[*]
   Queries value:
                                                HKCU\software\microsoft\windows\currentversion\internet
settings[disablecachingofsslpages]
   Oueries value:
                                                HKCU\software\microsoft\windows\currentversion\internet
settings[perusercookies]
   Queries value:
                                                HKCU\software\microsoft\windows\currentversion\internet
settings[leashlegacycookies]
   Queries value:
                                                \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \current \c
settings[dialupuselansettings]
   Queries value
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settings[dialupuselansettings]
                                                HKCU\software\microsoft\windows\currentversion\internet
   Queries value:
settings[sendextracrlf]
                                                HKCU\software\microsoft\windows\currentversion\internet
   Queries value:
settings[wpadsearchalldomains]
   Queries value:
                                                \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \current \c
settings[bypasshttpnocachecheck]
   Oueries value:
                                                HKLM\software\microsoft\windows\currentversion\internet
settings[bypasshttpnocachecheck]
                                                HKCU\software\microsoft\windows\currentversion\internet
   Queries value:
settings[bypasssslnocachecheck]
                                                HKLM\software\microsoft\windows\currentversion\internet
   Queries value:
```

```
settings[bypasssslnocachecheck]
  Queries value:
                            HKLM\software\microsoft\windows\currentversion\internet
settings[enablehttptrace]
  Queries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[nocheckautodialoverride]
  Oueries value:
                            HKLM\software\microsoft\windows\currentversion\internet
settings[nocheckautodialoverride]
  Queries value:
                            \label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet
settings[dontusednsloadbalancing]
                           HKLM\software\microsoft\windows\currentversion\internet
  Queries value:
settings[dontusednsloadbalancing]
 Queries value:
                           HKLM\software\microsoft\windows\currentversion\internet
settings[sharecredswithwinhttp]
                           HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[mimeexclusionlistforcache]
                            HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[headerexclusionlistforcache]
 Oueries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[dnscacheenabled]
                            HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[dnscacheentries]
  Queries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[dnscachetimeout]
  Queries value:
                            \label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\
settings[warnonpost]
  Queries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[warnalwaysonpost]
                            HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings[warnonzonecrossing]
  Queries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[warnonbadcertrecving]
  Queries value:
                            \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \current \c
settings[warnonpostredirect]
  Oueries value:
                            HKCU\software\microsoft\windows\currentversion\internet
settings[alwaysdrainonredirect]
  Queries value:
                           HKCU\software\microsoft\windows\currentversion\internet
settings[warnonhttpstohttpredirect]
  Queries value:
HKLM\system\currentcontrolset\control\lsa\accessproviders[martaextension]
                            HKLM\system\currentcontrolset\services\ldap[ldapclientintegrity]
  Queries value:
                            HKLM\system\currentcontrolset\services\ldap[useoldhostresolutionorder]
  Oueries value:
  Oueries value:
                            HKLM\svstem\currentcontrolset\services\ldap[usehostnameasalias]
                            HKLM\software\microsoft\windows\currentversion\internet
  Queries value:
settings[tcpautotuning]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[winsock_registry_version]
  Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[namespace_callout]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[serial_access_num]
  Queries value:
Queries value:
Queries value
Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000002[packedcatalogitem]
  Queries value:
Oueries value
Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol catalog9\catalog entries\00000000005[packedcatalogitem]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000006[packedcatalogitem]
  Queries value:
Oueries value:
Oueries value:
Queries value:
HKLM \ system \ current controls et \ services \ \ winsock 2 \ parameters \ \ protocol\_catalog 9 \ catalog\_entries \ \ 000000000010[packed catalog item]
  Queries value:
Queries value:
Oueries value:
HKLM \ system \ current control set \ services \ winsock 2 \ parameter \ synctocol\_catalog \ entries \ 000000000013 \ [packed catalog item]
  Queries value:
HKLM \ system \ current control set \ services \ winsock 2 \ parameter \ synctocol\_catalog \ entries \ 000000000014 \ [packed catalog item]
Oueries value:
Queries value:
Queries value:
```

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace catalog5[serial access num]

Oueries value:

- $HKLM\system\current controls et\services\winsock 2\parameters\namespace_catalog5[num_catalog_entries]$
- Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000001[librarypath]
 Oueries value:
- $\label{lem:hklmsystem} HKLM \system \current controls et \services \winsock 2 \parameters \names pace_catalog 5 \catalog_entries \000000000001 \[displaystring] \queries \value:$
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[providerid]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000001[supportednamespace]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[enabled]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[version]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000001[storesserviceclassinfo]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000001[providerinfo] Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[librarypath]
 Oueries value:
- $HKLM \ system \ current controls et \ services \ winsock 2 \ parameters \ name space_catalog 5 \ catalog_entries \ 00000000000002 \ [displaystring] \ Queries \ value:$
- $\label{lem:hklmsystem} HKLM \system \current controls et \services \winsock 2 \parameters \names pace_catalog 5 \catalog_entries \00000000000002 \[address family] \queries \value:$
- $\label{lem:hklm/system/current} HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000002[supportednamespace]\ Queries\value:$
- 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[storesserviceclassinfo]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[providerinfo]
 Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[librarypath]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[displaystring]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000003[providerid]
 Oueries 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:
- $\label{lem:hklmsystem} HKLM \system \current control set \services \winsock 2 \parameters \names pace_catalog 5 \catalog_entries \names \nam$
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[version] Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[storesserviceclassinfo] Queries value:
- $\label{local-problem} HKLM\system\current control set\services \winsock 2 \parameters \names pace_catalog 5 \catalog_entries \names \names pace_catalog 5 \catalog_entries \names \nam$
- $\label{lem:hklmsystem} HKLM \system \current controls et \services \winsock 2 \parameters \namespace_catalog 5 \catalog_entries \namespace_catal$
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[providerid]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[addressfamily]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[supportednamespace] Oueries value:
- $\label{lem:hklmsystem} HKLM \system \current control set \services \winsock 2 \parameters \namespace_catalog 5 \catalog_entries \namespace_lem \namespace_catalog 5 \catalog_entries \namespace_lem \namespace_lem \namespace_catalog 5 \catalog_entries \namespace_lem \namespace_lem \namespace_catalog 5 \catalog_entries \namespace_lem \n$
- $\label{lem:hklmsystem} HKLM \system \current control set \services \winsock 2 \parameters \names pace_catalog 5 \catalog_entries \names \nam$
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[storesserviceclassinfo]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000005[librarypath] Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000005[displaystring]
 Queries value:
 HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[providerid]
- Queries 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:
- $\label{lem:hklm/system/current} HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[enabled] \\ Queries\value:$
- $\label{lem:hklm} HKLM \system \current control set \services \winsock 2 \parameters \names pace_catalog 5 \catalog_entries \names \names \pace_catalog 5 \catalog_entries \names \names \pace_catalog 5 \catalog_entries \names \names \names \pace_catalog 5 \catalog_entries \names \n$
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[storesserviceclassinfo]
 Queries value:

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Oueries value:
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Oueries value:

Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace catalog5\catalog entries\000000000006fversion1 Oueries value:

Oueries value:

Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters[ws2 32numhandlebuckets]

Queries value:

 $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \setminus parameters [ws 2_32 spin count]$ Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings\wpad[wpadoverride]

Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings[enableautodial]

Queries value:

 $\label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\$ settings[nonetautodial]

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

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

settings[badproxyexpirestime]

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

settings[disablebranchcache]

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

settings[proxysettingsperuser]

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

settings[migrateproxy]

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

settings[proxyenable]

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

settings[proxyserver]

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

settings[proxyoverride]

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

settings[autoconfigurl] Queries value:

settings\connections[savedlegacysettings]

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

settings\connections[defaultconnectionsettings]

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

Queries value: HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}[]

Queries value: HKCR\clsid\{dcb00c01-570f-4a9b-8d69-

199fdba5723b}\inprocserver32[inprocserver32]

Queries value: $HKCR\clsid\{dcb00c01-570f-4a9b-8d69-199fdba5723b}\inprocserver32[]$

HKCU\software\microsoft\windows\currentversion\internet

HKCR\clsid\{dcb00c01-570f-4a9b-8d69-Queries value:

199fdba5723b}\inprocserver32[threadingmodel]

HKLM\software\microsoft\ole[maxsxshashcount] Queries value: Queries value: HKLM\software\microsoft\rpc\extensions[ndroleextdll] HKCR\clsid\{a47979d2-c419-11d9-a5b4-001185ad2b89}[] Oueries value: Oueries value: HKLM\software\microsoft\ole\appcompat[raisedefaultauthnlevel]

Queries value: HKLM\software\microsoft\ole[defaultaccesspermission] Queries value: HKLM\system\currentcontrolset\control\lsa[everyoneincludesanonymous] $HKLM \label{lem:hklm} \label{lem:hklm} HKLM \label{lem:hklm} Software \label{lem:hklm} wicrosoft \label{lem:hklm} software \label{lem:hklm} \label{lem:hklm} \label{lem:hklm} wicrosoft \label{lem:hklm} \label{lem:hklm} \label{lem:hklm} HKLM \label{lem:hklm} HKLM \label{lem:hklm} \label{lklm} \label{lkm} \label{lkm}$ Queries value:

cryptographic provider[type]

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

cryptographic provider[image path]

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

manager[safeprocesssearchmode]

HKLM\system\currentcontrolset\control\lsa\fipsalgorithmpolicy[enabled] Oueries value: Oueries value: HKLM\system\currentcontrolset\control\lsa[fipsalgorithmpolicy] Queries value: ${\tt HKLM \setminus software \setminus policies \setminus microsoft \setminus cryptography[privkey cachemaxitems]}$ Oueries value:

HKLM\software\policies\microsoft\cryptography[privkeycachepurgeintervalseconds]

Queries value: HKLM\software\policies\microsoft\cryptography[privatekeylifetimeseconds]

Queries value: ${\tt HKLM \setminus software \setminus microsoft \setminus cryptography [machineguid]}$

Oueries value: HKCR\interface\{00000134-0000-0000-c000-00000000046}\proxystubclsid32[]

Queries value: HKLM\software\microsoft\rpc\extensions[remoterpcdll]

Oueries value: HKLM\software\microsoft\sqmclient\windows\disabledprocesses[74dd1fc8]

Queries value:

 $\label{thm:local_machinethrottling} \label{thm:local_machinethrottling} \textbf{HKLM} software \verb|\microsoft| sqmclient \verb|\windows| disableds essions [machinethrottling]| and the same statement of the sa$

Oueries value:

 $HKLM \setminus software \setminus microsoft \setminus sqmclient \setminus windows \setminus disabled sessions [global session]$

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

Queries value:

HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-2299f0398e27}[] Queries value:

HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-Oueries value:

2299f0398e27}\inprocserver32[inprocserver32]

Queries value: HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-2299f0398e27}\inprocserver32[]

Oueries value: HKCR\clsid\{1299cf18-c4f5-4b6a-bb0f-

2299f0398e27}\inprocserver32[threadingmodel]

Queries value: HKCR\interface\{26656eaa-54eb-4e6f-8f85-4f0ef901a406}\proxystubclsid32[]

```
Queries value:
                                                                                                            HKCR \land (8a40a45d-055c-4b62-abd7-6d613e2ceaec) \land (a40a45d-055c-4b62-abd7-6d613e2ceaec) \land (a40a45d-055c-4b62-abd7-6d613e2ceaec
                                                                                                            HKCR\interface\{55272a00-42cb-11ce-8135-00aa004bb851}\proxystubclsid32[]
       Queries value:
                                                                                                            HKCR\clsid\{b196b286-bab4-101a-b69c-00aa00341d07}[]
       Queries value:
                                                                                                            HKCR\clsid\{b196b286-bab4-101a-b69c-
       Queries value:
00aa00341d07}\inprocserver32[inprocserver32]
                                                                                                            HKCR\clsid\{b196b286-bab4-101a-b69c-00aa00341d07}\inprocserver32[]
      Oueries value:
                                                                                                            HKCR\clsid\{b196b286-bab4-101a-b69c-
00aa00341d07}\inprocserver32[threadingmodel]
                                                                                                            HKCR \land terface \land \{bcd1de7e-2db1-418b-b047-4a74e101f8c1\} \land proxystubclsid32[]
      Queries value:
                                                                                                            HKCR\interface\{2a1c9eb2-df62-4154-b800-63278fcb8037}\proxystubclsid32[]
      Queries value:
```

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

Queries value: HKLM\software\microsoft\internet explorer\main[frametabwindow] HKCU\software\microsoft\internet explorer\main[framemerging] Queries value: HKLM\software\microsoft\internet explorer\main[framemerging] Oueries value: Oueries value: HKCU\software\microsoft\internet explorer\main[sessionmerging] Queries value: HKLM\software\microsoft\internet explorer\main[sessionmerging] Oueries value: HKCU\software\microsoft\internet explorer\main[admintabprocs] Queries value: ${\tt HKLM \setminus software \setminus microsoft \setminus internet \ explorer \setminus main[admintabprocs]}$ Oueries value: HKCU\software\microsoft\internet explorer\main[hangresistance] Oueries value: HKLM\software\microsoft\internet explorer\main[hangresistance] Queries value: HKCU\software\microsoft\internet explorer\main[compatibilityflags] Queries value: HKCU\software\microsoft\internet explorer\new windows[detourdialogs] Oueries value: $\label{lem:hkcu} \mbox{\sc HKCU\software\mbox{\sc microsoft\internet explorer\sc microsoft\sc explorer\sc microsoft\sc explorer\sc explo$

Queries value:

b29c-65b732d3d21a}[category]

Queries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{905e63b6-c1bf-494e-descriptions \ 'explorer' \ folder \ folder \ 'explorer' \ folder \ folder \ 'explorer' \ folder \ folder \ folder \ folder \ folder \ 'explorer' \ folder \ fold$ b29c-65b732d3d21a}[name]

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ (905e63b6-c1bf-494e-d1) \ derdescriptions \ (905e6$ b29c-65b732d3d21a}[parentfolder]

Oueries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{905e63b6-c1bf-494e-descriptions \ 'explorer' \ folder \ folder \ 'explorer' \ folder \ folder \ 'explorer' \ folder \ folder \ folder \ folder \ folder \ 'explorer' \ folder \ fold$ b29c-65b732d3d21a}[description]

Oueries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{905e63b6-c1bf-494e-descriptions \ 'explorer' \ folder \ fo$ b29c-65b732d3d21a}[relativepath]

Queries value:

 $HKLM \setminus software \setminus irrosoft \setminus ir$ b29c-65b732d3d21a}[parsingname]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{905e63b6-c1bf-494eb29c-65b732d3d21a}[infotip]

Queries value:

b29c-65b732d3d21a}[localizedname]

Queries value:

 $HKLM \label{lem:hklm} Which is the software \label{lem:hkklm} Which is the software \label{le$ b29c-65b732d3d21a}[icon]

Queries value:

b29c-65b732d3d21a}[security]

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{905e63b6-c1bf-494e-descriptions \ 'explorer' \ folder \ folder \ 'explorer' \ folder \ folder \ 'explorer' \ folder \ folder \ folder \ folder \ folder \ 'explorer' \ folder \ fold$ b29c-65b732d3d21a}[streamresource]

 $HKLM \ software \ microsoft \ windows \ current version \ (905e63b6-c1bf-494e-d1) \ derdescriptions \ (905e6$ b29c-65b732d3d21a}[streamresourcetype]

Oueries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{905e63b6-c1bf-494e-descriptions \ 'explorer' \ folder \ folder \ 'explorer' \ folder \ folder \ 'explorer' \ folder \ folder \ folder \ folder \ folder \ 'explorer' \ folder \ fold$ b29c-65b732d3d21a}[localredirectonly]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{905e63b6-c1bf-494eb29c-65b732d3d21a}[roamable]

Queries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{905e63b6-c1bf-494e-descriptions \ 'explorer' \ folder \ fo$ b29c-65b732d3d21a}[precreate]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{905e63b6-c1bf-494eb29c-65b732d3d21a}[stream]

Queries value:

b29c-65b732d3d21a}[publishexpandedpath]

Queries value:

 $HKLM \label{lem:hklm} Which is the latest and the latest and the latest angle of the$ b29c-65b732d3d21a}[attributes]

Queries value:

b29c-65b732d3d21a}[foldertypeid]

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{905e63b6-c1bf-494e-descriptions \ 'explorer' \ folder \ folder \ 'explorer' \ folder \ folder \ 'explorer' \ folder \ folder \ folder \ folder \ folder \ 'explorer' \ folder \ fold$ b29c-65b732d3d21a}[initfolderhandler]

HKLM\software\microsoft\windows\currentversion[programfilesdir] Queries value:

Queries value: HKCU\software\microsoft\internet

explorer\browseremulation[unattendloaded]

Oueries value: HKCU\software\microsoft\internet explorer\browseremulation[tldupdates]

Oueries value:

b029-7fe99a87c641}[category]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{b4bfcc3a-db2c-424c-

b029-7fe99a87c641}[name]

Queries value:

b029-7fe99a87c641}[parentfolder]

Queries value:

b029-7fe99a87c641}[description]

Queries value:

b029-7fe99a87c641}[relativepath]

Oueries value:

b029-7fe99a87c641}[parsingname]

Oueries value:

b029-7fe99a87c641}[infotip]

Oueries value:

 $HKLM \label{lem:hklm} White the latest and the la$ b029-7fe99a87c641}[localizedname]

Oueries value:

 $HKLM \setminus software \setminus irrosoft \setminus ir$ b029-7fe99a87c641}[icon]

Oueries value:

b029-7fe99a87c641}[security]

b029-7fe99a87c641}[streamresource]

b029-7fe99a87c641}[streamresourcetype]

Queries value:

b029-7fe99a87c641}[localredirectonlv1

Queries value:

b029-7fe99a87c641}[roamable]

Queries value:

b029-7fe99a87c641}[precreate]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\fb4bfcc3a-db2c-424cb029-7fe99a87c641}[stream]

Oueries value:

 $HKLM \label{lem:hklm} Which soft windows \verb|\currentversion| explorer \folder descriptions \verb|\folder descriptions| and before a constant of the second seco$ b029-7fe99a87c641}[publishexpandedpath]

Oueries value:

b029-7fe99a87c641}[attributes] Oueries value:

b029-7fe99a87c641}[foldertypeid] Queries value:

b029-7fe99a87c641}[initfolderhandler]

Queries value: HKCU\software\microsoft\windows\currentversion\explorer\user shell folders[desktop]

Queries value:

 $HKCU \setminus software \setminus microsoft \setminus windows \setminus current version \setminus ext \setminus settings \setminus \{18df081c-microsoft \setminus windows \setminus current version \setminus ext \setminus settings \setminus \{18df081c-microsoft \setminus windows \setminus current version \setminus ext \setminus settings \setminus \{18df081c-microsoft \setminus windows \setminus current version \setminus ext \setminus settings \setminus \{18df081c-microsoft \setminus windows \setminus current version \setminus ext \setminus settings \setminus \{18df081c-microsoft \setminus windows \setminus current version \setminus ext \setminus settings \setminus \{18df081c-microsoft \setminus windows \setminus current version \setminus ext \setminus settings \setminus \{18df081c-microsoft \setminus windows \setminus current version \setminus ext \setminus settings \setminus \{18df081c-microsoft \setminus windows \setminus current version \setminus ext \setminus settings \setminus \{18df081c-microsoft \setminus windows \setminus current version \setminus ext \setminus settings \setminus \{18df081c-microsoft \setminus windows \setminus current version \setminus ext \setminus set in version \setminus ext \setminus ext \setminus set in version \setminus ext \setminus set in version \setminus ext \setminus ext$ e8ad-4283-a596-fa578c2ebdc3}[flags] HKCR\clsid\{18df081c-e8ad-4283-a596-fa578c2ebdc3}\inprocserver32[]

Queries value: HKCU\software\microsoft\windows\currentversion\ext\settings\{18df081c-Oueries value: e8ad-4283-a596-fa578c2ebdc3}[vercache]

Queries value:

4283-a596-fa578c2ebdc3}\iexplore[loadtime] HKCU\software\microsoft\windows\currentversion\ext\settings\{dbc80044-Queries value:

a445-435b-bc74-9c25c1c588a9}[flags] HKCR\clsid\{dbc80044-a445-435b-bc74-9c25c1c588a9}\inprocserver32[] Queries value:

Oueries value: HKCU\software\microsoft\windows\currentversion\ext\settings\{dbc80044a445-435b-bc74-9c25c1c588a9}[vercache]

 $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \mbox{$microsoft$} \windows \current version \ext\stats \end{tabular} $$ \cline{Additional contents} $$ \cline{Additional contents}$ Oueries value: 435b-bc74-9c25c1c588a9}\iexplore[loadtime]

Queries value:

 $HKLM \label{lem:hklm} HKLM \label{lem:hklm} HKLM \label{lem:hklm} With the highest constant and the hkll \label{lem:hklm} With the hkll \label{lem:hklm} With the hkll \label{lem:hklm} With the hkll \label{lem:hklm} With the hkll \label{lklm} With the hkll \label$ 87bd-30b759fa33dd}[category]

Queries value:

 $HKLM \label{lem:hklm} HKLM \label{lem:hklm} HKLM \label{lem:hklm} With the highest constant and the hard-sequence of the highest constant and the hard-sequence of the highest constant and the hi$ 87bd-30b759fa33dd}[name]

Queries value:

87bd-30b759fa33dd}[parentfolder]

87bd-30b759fa33dd}[description]

87bd-30b759fa33dd}[relativepath]

Oueries value:

87bd-30b759fa33dd}[parsingname]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{1777f761-68ad-4d8a-87bd-30b759fa33dd}[infotip]

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Oueries value:
```

87bd-30b759fa33dd}[localizedname]

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{1777f761-68ad-4d8a-87bd-30b759fa33dd}[icon]

87bd-30b759fa33dd}[securitv]

Oueries value:

87bd-30b759fa33dd}[streamresource]

Queries value:

87bd-30b759fa33dd}[streamresourcetype]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{1777f761-68ad-4d8a-87bd-30b759fa33dd}[localredirectonly]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{1777f761-68ad-4d8a-87bd-30b759fa33dd}[roamable]

Oueries value:

 $HKLM \label{limits} HKLM \label{limits} HKLM$ 87bd-30b759fa33dd}[precreate]

Oueries value:

87bd-30b759fa33dd}[stream]

Oueries value:

87bd-30b759fa33dd}[publishexpandedpath]

87bd-30b759fa33dd}[attributes1

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{1777f761-68ad-4d8a-87bd-30b759fa33dd}[foldertypeid]

Queries value:

87bd-30b759fa33dd}[initfolderhandler]

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

folders[favorites]

Oueries value: HKLM\software\microsoft\internet

explorer\main\featurecontrol\feature unc savedfilecheck[iexplore.exe]

HKLM\software\microsoft\internet Oueries value: $\verb|explorer\main\featurecontrol\feature_unc_savedfilecheck[*]|$

HKLM\software\policies\microsoft\internet Oueries value: explorer\securitv[disablesecuritysettingscheck]

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

settings\zones\0[flags]

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

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 Queries value:

settings\zones\4[flags]

HKCU\software\microsoft\internet Queries value:

explorer\main\featurecontrol\feature_localmachine_lockdown[iexplore.exe]

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

explorer\securitv[disablefixsecuritysettings]

Queries value: HKCU\software\microsoft\internet

explorer\security[disablefixsecuritysettings]

HKLM\software\microsoft\internet Queries value:

explorer\security[disablefixsecuritysettings]

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

settings[createuricachesize]

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

settings[createuricachesize]

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

Queries value:

settings[enablepunycode] $\label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \current \c$

Queries value:

settings[enablepunycode] Queries value: HKLM\software\microsoft\internet

explorer\main\featurecontrol\feature_http_username_password_disable[iexplore.exe]

HKLM\software\microsoft\internet Queries value:

explorer\main\featurecontrol\feature_http_username_password_disable[*]

HKCR\clsid\{20d04fe0-3aea-1069-a2d8 Queries value:

08002b30309d}\shellfolder[attributes]

HKCR\clsid\{20d04fe0-3aea-1069-a2d8-Queries value:

08002b30309d}\shellfolder[callforattributes]

HKCR\clsid\{20d04fe0-3aea-1069-a2d8-Oueries value:

08002b30309d}\shellfolder[restrictedattributes]

Oueries value: HKCR\clsid\{20d04fe0-3aea-1069-a2d8-

08002b30309d}\shellfolder[wantsfordisplay]

Queries value: HKCR\clsid\{20d04fe0-3aea-1069-a2d8-

```
08002b30309d}\shellfolder[hidefolderverbs]
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08002b30309d}\shellfolder[usedrophandler]
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   Oueries value:
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                                                   HKCR\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[mapnetdriveverbs]
   Queries value:
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08002b30309d}\shellfolder[queryforinfotip]
                                                   HKCR\clsid\{20d04fe0-3aea-1069-a2d8-
   Oueries value:
08002b30309d}\shellfolder[hideinwebview]
                                                   HKCR\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
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   Oueries value:
08002b30309d}\shellfolder[wantsaliasednotifications]
                                                   HKCR\clsid\{20d04fe0-3aea-1069-a2d8-
   Oueries value:
08002b30309d}\shellfolder[wantsuniversaldelegate]
   Oueries value:
                                                   HKCR\clsid\{20d04fe0-3aea-1069-a2d8-
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   Queries value:
                                                   HKCR\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[pintonamespacetree]
   Queries value:
                                                   HKCR\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[hasnavigationenum]
    Oueries value:
HKLM \ software \ microsoft \ windows \ current version \ policies \ nonenum \ [\{20d04fe0-3aea-1069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8-4069-a2d8
08002b30309d}]
11e3-b3bc-806e6f6e6963}[data]
11e3-b3bc-806e6f6e6963}[generation]
   Queries value:
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409d6c4515e9}[drivemask]
                                                   HKCU\software\microsoft\windows\currentversion\explorer[shellstate]
   Queries value:
    Queries value:
                                                   HKCU\software\microsoft\windows\currentversion\explorer\advanced[hidden]
   Oueries value:
\label{thm:current} \begin{tabular}{ll} HKCU \software \verb|\microsoft| windows \current version \explorer \advanced [showcompcolor] \end{tabular}
   Queries value:
\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \explorer \advanced \[hidefileext] \end{tabular}
   Oueries value:
\label{thm:local_explorer} \begin{tabular}{ll} HKCU \software \verb|\microsoft| windows \current version \explorer \advanced [dont pretty path] \end{tabular}
   Queries value
HKCU\software\microsoft\windows\currentversion\explorer\advanced[showinfotip]
   Oueries value:
\label{thm:local_hide} \begin{tabular}{ll} HKCU \software \mbox{$\mbox{$m$icrosoft$} \windows \current version \explorer \advanced [hideicons] \end{tabular}
   Queries value
HKCU\software\microsoft\windows\currentversion\explorer\advanced[mapnetdrvbtn]
   Oueries value:
\label{lem:hkcu} \verb+KKCU \software \verb+microsoft \verb+windows \verb+currentversion \verb+explorer \verb+ advanced [webview] \\
    Queries value:
                                                   \label{lem:hkcu} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \explorer \advanced [filter] \end{tabular}
    Queries value:
\label{thm:linear} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \explorer \advanced \cite{tabular} is a constant \cite{tabular} and \cite{tabular} is a constant \cite{tabular} and \cite{tabular} is a constant \cite{tabular} is a constant \cite{tabular} and \cite{tabular} is a constant \cite{tabular} and \cite{tabular} is a constant \cite{tabular} and \cite{tabul
    Queries value:
HKCU\software\microsoft\windows\currentversion\explorer\advanced[separateprocess]
   Oueries value:
HKCU\software\microsoft\windows\currentversion\explorer\advanced[nonetcrawling]
   Queries value:
\label{thm:linear} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \explorer \advanced \cite{tabular} autocheck select] \end{tabular}
   Queries value:
HKCU\software\microsoft\windows\currentversion\explorer\advanced[iconsonly]
   Queries value:
HKCU\software\microsoft\windows\currentversion\explorer\advanced[showtypeoverlay]
                                                   HKCR\directorv[docobiect]
   Oueries value:
                                                   HKCR\folder[docobject]
   Oueries value:
   Oueries value:
                                                   HKCR\allfilesystemobjects[docobject]
                                                   HKCR\directory[browseinplace]
   Oueries value:
                                                   HKCR\folder[browseinplace]
   Queries value:
   Oueries value:
                                                   HKCR\allfilesystemobjects[browseinplace]
                                                   HKCR\directory[isshortcut]
   Oueries value:
   Queries value:
                                                   HKCR\folder[isshortcut]
   Queries value:
                                                   HKCR\allfilesystemobjects[isshortcut]
   Oueries value:
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   Oueries value:
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   Queries value:
                                                   HKCR\allfilesystemobjects[nevershowext]
   Queries value:
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   Queries value:
                                                   HKCR\htmlfile\shellex\iconhandler[]
                                                   HKCR\htmlfile[docobject]
    Queries value:
                                                   HKCR\systemfileassociations\.html[docobject]
   Queries value:
    Queries value:
                                                   HKCR\htmlfile[browseinplace]
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    Queries value:
   Oueries value:
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                                                   HKCR\htmlfile\clsid[]
    Oueries value:
   Queries value:
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   Queries value:
                                                   HKCR\systemfileassociations\.html[isshortcut]
   Queries value:
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    Queries value:
                                                   HKCR\systemfileassociations\.html[alwaysshowext]
```

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Queries value:
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 Queries value:
                           HKCR\systemfileassociations\.html[nevershowext]
 Queries value:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers[authenticodeenabled]
                           HKLM\software\microsoft\windows nt\currentversion\image file execution
 Queries value:
options[disablelocaloverride]
                           HKLM\software\microsoft\tracing[enableconsoletracing]
 Queries value:
 Queries value:
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 Oueries value:
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 Queries value:
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 Queries value:
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 Queries value:
                           HKLM\software\microsoft\tracing\iexplore_rasapi32[maxfilesize]
 Queries value:
                           HKLM\software\microsoft\tracing\iexplore_rasapi32[filedirectory]
 Oueries value:
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nt\currentversion\profilelist[programdata]
 Queries value:
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                           HKLM\software\microsoft\windows\windows error reporting\wmr[disable]
 Oueries value:
 Oueries value:
                           HKLM\software\microsoft\windows\currentversion\setup[sourcepath]
 Oueries value:
                           HKLM\software\microsoft\windows\currentversion[devicepath]
 Queries value:
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 Queries value:
                           HKLM\software\microsoft\tracing\iexplore_rasmancs[filetracingmask]
 Oueries value:
                           HKLM \setminus software \setminus microsoft \setminus tracing \setminus iexplore\_rasmancs[enable consolet racing]
 Oueries value:
                           \label{localization} \mbox{\tt HKLM\software\mbox{\tt microsoft\tracing\iexplore\_rasmancs[consoletracingmask]}}
 Queries value:
                           HKLM\software\microsoft\tracing\iexplore_rasmancs[maxfilesize]
 Oueries value:
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settings[autoconfigcustomua]
                           {\tt HKCR} \verb| autoproxytypes \verb| application/x-internet-signup[dllfile]|\\
 Queries value:
 Queries value:
                           HKCR\autoproxytypes\application/x-internet-signup[fileextensions]
 Queries value:
                           HKCR\autoproxytypes\application/x-internet-signup[default]
 Queries value:
                           HKCR\autoproxytypes\application/x-internet-signup[flags]
                           HKCR\autoproxytypes\application/x-ns-proxy-autoconfig[dllfile]
 Queries value:
                           HKCR\autoproxytypes\application/x-ns-proxy-autoconfig[fileextensions]
 Oueries value:
 Oueries value:
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 Queries value:
                           HKCR\autoproxytypes\application/x-ns-proxy-autoconfig[flags]
 Oueries value:
11e3-b3bc-806e6f6e6963}[data]
 Queries value:
11e3-b3bc-806e6f6e6963}[generation]
 Oueries value:
 Queries value:
 Oueries value:
                          HKCU\software\microsoft\windows
 Oueries value:
nt\currentversion\appcompatflags[acredir]
```

HKLM\svstem\currentcontrolset\services\winsock2\parameters[autodialdll] HKCU\software\microsoft\internet explorer\main[window min width] HKCU\software\microsoft\internet explorer\main[window_min_height]

HKCU\software\microsoft\internet explorer\main[tabshutdowndelay] Oueries value: Queries value: HKLM\software\microsoft\internet explorer\main[tabshutdowndelay]

HKCR\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d}[] Oueries value:

Oueries value: HKCR\clsid\{1f486a52-3cb1-48fd-8f50-

b8dc300d9f9d}\inprocserver32[inprocserver32]

Oueries value: $HKCR\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d}\inprocserver32[]$

Queries value:

b8dc300d9f9d}\inprocserver32[threadingmodel]

Oueries value:

b4ef-bd1dc332aeae}[category]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786b4ef-bd1dc332aeae}[name]

b4ef-bd1dc332aeae}[parentfolder]

Queries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{1b3ea5dc-b587-4786-b587-47$ b4ef-bd1dc332aeae}[description]

Queries value:

 $HKLM \label{lem:hklm} Which is a few and the latest and the late$ b4ef-bd1dc332aeae}[relativepath]

Oueries value:

b4ef-bd1dc332aeae}[parsingname]

Oueries value:

 $HKLM \label{lem:hklm} Which is a few and the latest and the late$ b4ef-bd1dc332aeae}[infotip]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786b4ef-bd1dc332aeae}[localizedname]

Oueries value:

 $HKLM \ software \ `microsoft \ 'windows \ 'current version \ 'explorer \ 'folder descriptions \ '\{1b3ea5dc-b587-4786-b587-47$ b4ef-bd1dc332aeae}[icon]

Oueries value:

 $HKLM \label{lem:hklm} HKLM \label{lem:hklm} HKLM \label{lem:hklm} Ib 3ea 5dc-b 587-4786-b 10 derdes criptions \label{lem:hklm} Library \label{lem:hklm} Ib 3ea 5dc-b 587-4786-b 10 derdes criptions \label{lem:hklm} Library \label{lem:hklm} HKLM \label{lem:hklm} Library \label{lem:hklm} HKLM \label{lem:hklm} Library \label{lem:hkklm} Library \label{lkklm} Library \label{lkklm} Library \label{lkklm} Library \label{lkklm} Library \label{lkk$ b4ef-bd1dc332aeae}[security]

b4ef-bd1dc332aeae}[streamresource]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786b4ef-bd1dc332aeae}[streamresourcetype]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786-

b4ef-bd1dc332aeae}[localredirectonly]

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae\} \ [roamable]$

Queries value:

 $HKLM\$ software\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae}[precreate]

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae\}[stream]$

Oueries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae\} \ [publish expanded path]$

Oueries value:

 $HKLM \label{limits} HKLM \label{limits} HKLM$

Oueries value:

 $HKLM \software \microsoft \windows \current version \explorer \folder descriptions \end{align*} \folder type id \folder \fol$

Oueries value:

 $HKLM\software\mbox{$1b3ea5dc-b587-4786-b4ef-bd1dc332aeae}[initfolderhandler] \\$

 $Queries\ value: \ HKCU\software\microsoft\windows\currentversion\explorer\user\ shell folders[\{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae\}]$

Queries value:

 $\label{thm:local-prop} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \f3ce0 f7c-4901-4 acc-8648-d5d44b04ef8f \category \cite{thm:local-prop} \cite{thm:local-pr$

Queries value:

 $\label{thm:local-equation} HKLM \software \ensurements in \ensurements in \ensurements \ensure$

Oueries value

 $\label{thm:local-equation} HKLM \software \ensuremath{\mbox{\mbox{$\mbox{\mb

Oueries value:

 $\label{thm:local-equation} HKLM \software \ensurement \subsection \ensurement \subsection \ensurement \subsection \ensurement \subsection \ensurement \subsection \subsectio$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f3ce0f7c-4901-4acc-8648-d5d44b04ef8f\} [relative path]$

Queries value:

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \{f3ce0f7c-4901-4acc-8648-d5d44b04ef8f\}[infotip]$

Queries value:

 $\label{thm:local-continuous} HKLM \software \ensuremath{\mbox{\mbox{$\$

Queries value:

 $\label{thm:hklm} \begin{tabular}{ll} HKL^M\software\mbox{m icrosoft\windows\currentversion} explorer\folderdescriptions \footnote{1.5cm} {f3ce0f7c-4901-4acc-8648-d5d44b04ef8f}[icon] \end{tabular}$

Queries value: KLM\software

 $\label{thm:local-prop} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \f3ce0 f7c-4901-4 acc-8648-d5d44b04ef8f \cite{thm:local-grade} \end{substitute} \end{substitute}$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f3ce0f7c-4901-4acc-8648-d5d44b04ef8f\}[stream resource]$

Queries value:

 $HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\f3ce0f7c-4901-4acc-8648-d5d44b04ef8f\}[streamresourcetype]$

Queries value:

 $\label{thm:hklm} HKLM\software\\ \mbox{$HKLM} software\\ \mbox{$f3$ce0f7c-4901-4acc-8648-d5d44b04ef8f}[localredirectonly]}$

Queries value:

Queries value:

 $\label{thm:local-prop} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \f3ce0 f7c-4901-4 acc-8648-d5d44b04ef8f \cite{thm:local-grade} \end{substitute}$

Oueries value:

 $HKLM \ software \ icrosoft \ windows \ current version \ \ verblorer \ \ f3ce0f7c-4901-4acc-8648-d5d44b04ef8f \ [stream]$

Queries value:

 $\label{thm:main} HKL^M\software\microsoft\windows\currentversion\explorer\folderdescriptions\f(f3ce0f7c-4901-4acc-8648-d5d44b04ef8f)\cite{thm:main_face}\cite{thm:ma$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \{f3ce0f7c-4901-4acc-8648-d5d44b04ef8f\}[attributes]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f3ce0f7c-4901-4acc-8648-d5d44b04ef8f\} [folder typeid]$

Queries value:

Queries value:

 $\label{thm:local-continuous} HKLM \software \ensuremath{\mbox{\mbox{M}\mbox{M}} in the local explorer \ensuremath{\mbox{M}\mbox{$

HKCR\clsid\{59031a47-3f72-44a7-89c5-

Queries value: HKCR\clsid\{59031a47-3f72-44a7-89c5-

5595fe6b30ee}\shellfolder[attributes]

Queries value: HKCR\clsid\{59031a47-3f72-44a7-89c5-

5595fe6b30ee}\shellfolder[restrictedattributes]

5595fe6b30ee}\shellfolder[wantsfordisplay]

```
Queries value:
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
5595fe6b30ee}\shellfolder[hidefolderverbs]
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
  Queries value:
5595fe6b30ee}\shellfolder[usedrophandler]
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
  Queries value:
5595fe6b30ee}\shellfolder[wantsforparsing]
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
  Queries value:
5595fe6b30ee}\shellfolder[wantsparsedisplayname]
  Oueries value:
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
5595fe6b30ee}\shellfolder[queryforoverlay]
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
  Queries value:
5595fe6b30ee}\shellfolder[mapnetdriveverbs]
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
  Queries value:
5595fe6b30ee}\shellfolder[quervforinfotip]
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
  Oueries value:
5595fe6b30ee}\shellfolder[hideinwebview]
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
  Oueries value:
5595fe6b30ee}\shellfolder[hideondesktopperuser]
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
  Oueries value:
5595fe6b30ee}\shellfolder[wantsaliasednotifications]
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
  Queries value:
5595fe6b30ee}\shellfolder[wantsuniversaldelegate]
  Oueries value:
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
5595fe6b30ee}\shellfolder[nofilefolderjunction]
  Oueries value:
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
5595fe6b30ee}\shellfolder[pintonamespacetree]
  Queries value:
                                   HKCR\clsid\{59031a47-3f72-44a7-89c5-
5595fe6b30ee}\shellfolder[hasnavigationenum]
5595fe6b30ee}]
  Queries value:
                                   HKLM\system\currentcontrolset\services\tcpip\parameters[hostname]
  Oueries value:
                                   HKLM\system\currentcontrolset\services\tcpip\parameters[domain]
  Oueries value:
                                   HKLM\system\currentcontrolset\services\winsock\parameters[transports]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[mapping]
  Queries 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\svstem\currentcontrolset\services\tcpip\parameters\winsock[mapping]
  Oueries value:
                                   HKLM\svstem\currentcontrolset\services\winsock\setup
  Oueries value:
migration\providers\tcpip[winsock 2.0 provider id]
  Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[minsockaddrlength]
  Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[maxsockaddrlength]
  Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus tcpip \setminus parameters \setminus winsock [used elayed acceptance]
  Oueries value:
HKLM \setminus system \setminus current control set \setminus services \setminus tcpip \setminus parameters \setminus winsock [helperdllname]
  Oueries value:
                                   HKLM\system\currentcontrolset\services\winsock\setup
migration\providers\tcpip6[winsock 2.0 provider id]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[minsockaddrlength]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[maxsockaddrlength]
  Queries value:
Oueries value:
HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[helperdllname]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters\dnscache[shutdownonidle]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[queryadaptername]
  Queries value:
\label{thm:local_hammon_hammon} \begin{tabular}{ll} HKLM \end{tabular} which is a property of the local prop
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[usedomainnamedevolution]
  Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[usedomainnamedevolution]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[domainnamedevolutionlevel]
  Oueries value:
Queries value
Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[allowunqualifiedquery]
  Queries value
\label{lem:hklm} \verb+Kklm \system \current control set \services \tcpip \parameters [allow unqualified query]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[screenbadtlds]
  Queries value:
Oueries value
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [screen default servers]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[dynamicserverqueryorder]
  Queries value:
```

```
HKLM\system\currentcontrolset\services\dnscache\parameters[filterclusterip]
  Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [wait for name error on all]
                                    HKLM\system\currentcontrolset\services\dnscache\parameters[useedns]
  Queries value:
  Queries value:
Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [enabled a for all networks]
  Oueries 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\svstem\currentcontrolset\services\dnscache\parameters[addrconfigcontrol]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationenabled]
  Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus tcpip \setminus parameters [disable dynamic update]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerprimaryname]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registeradaptername]
  Queries value:
Queries value:
Queries value:
Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerwanadapters]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disablewandynamicupdate]
  Oueries value:
Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationttl]
  Queries value:
Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus tcpip \setminus parameters \texttt{[defaultregistrationrefreshinterval]}
  Oueries value:
Oueries value:
HKLM \setminus system \setminus current control set \setminus services \setminus tcpip \setminus parameters [maxnumber of addresses to register]
  Oueries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [updates ecurity level]
  Queries value:
Oueries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [update top level domain zones]
  Oueries value:
HKLM \verb|\system| current control set \verb|\services| dns cache \verb|\parameters[down cases pnc auseapiowner is too lazy]|
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationoverwrite]
                                    HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachesize]
  Queries value:
                                    HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachettl]
  Queries value:
  Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [maxnegative cachettl]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[adaptertimeoutlimit]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[serverprioritytimelimit]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachedsockets]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[enablemulticast]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[multicastresponderflags]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[multicastsenderflags]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[multicastsendermaxtimeout]
  Oueries value:
                                    HKLM\system\currentcontrolset\services\dnscache\parameters[dnstest]
  Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [use compartments]
  Oueries value:
Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[usenewregistration]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[resolverregistration]
  Queries value:
\label{lem:hklm} \verb+KLM\system\currentcontrolset\services\dnscache\parameters[resolverregistrationonly]+ of the parameters and the substitution of the substitution o
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [dns query time outs]
  Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquerytimeouts]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[dnsquickquerytimeouts]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquickquerytimeouts]
```

Oueries value:

 $\label{lem:hklmsystem} HKLM \end{array} Interfaces \end{array} 128919e8-8a5e-41d1-ac17-c19ce8a73253 \end{array} [searchlist]$

Oueries value:

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

Queries value:

 $\label{thm:local-control} HKLM \system \current controls et \services \tcpip \parameters \interfaces \{128919e8-8a5e-41d1-ac17-c19ce8a73253\} \[registration enabled]$

Queries value:

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

Queries value:

Queries value:

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

Oueries value:

 $\label{lem:hklmsystem} HKLM \system \current controlset \services \tcpip6 \parameters \interfaces \end{2.28919e8-8a5e-41d1-ac17-c19ce8a73253} \end{2.8919e8-8a5e-41d1-ac17-c19ce8a73253} \end{2.891$

Queries value:

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

Queries value:

 $\label{lem:hklm} HKLM \ system \ `current controlset \ 'services \ 'tcpip \ 'parameters \ 'interfaces \ '\{128919e8-8a5e-41d1-ac17-c19ce8a73253\} \ [nameserver]$

Queries value:

Queries value:

 $\label{thm:local-bound} HKLM \system \current control set \services \tcpip \parameters \interfaces \end{center} \end{center} $$ 806e6f6e6963 \end{center} $$ [enabledhcp] $$$

Oueries value:

Queries value:

Queries value:

Queries value:

Queries value:

 $\label{lem:hklmsystem} HKLM \system \controlset\services \tcpip\parameters \interfaces \eqref{e29ac6c2-7037-11de-816d-806e6f6e6963} \cite{lem:hklmsystem} \eqref{eq:hklmsystem} \eqref{eq:hklmsystem$

Queries value:

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

Queries value:

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

Queries value:

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

Queries value:

Queries value:

Queries value:

Queries value:

 $\label{local-equation} HKLM \xspaces \xspace \xspace \xspaces \xspace \xspac$

Queries value:

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

Queries value:

Queries value:

Queries value:

Queries value

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

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

settings\wpad[wpadlastnetwork]

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

```
settings[autoproxydetecttype]
                                    HKLM\software\microsoft\com3[gipactivitybypass]
  Queries value:
  Queries value:
                                    HKCR \ | \ terface \ \{1ac7516e-e6bb-4a69-b63f-e841904dc5a6\} \ | \ proxystubclsid \ 32[]
  Queries value:
                                    HKCR\clsid\{a4a1a128-768f-41e0-bf75-e4fddd701cba}[]
                                    HKCR\clsid\{a4a1a128-768f-41e0-bf75-
  Queries value:
e4fddd701cba}\inprocserver32[inprocserver32]
                                    HKCR\clsid\{a4a1a128-768f-41e0-bf75-e4fddd701cba}\inprocserver32[]
                                    HKCR\clsid\{a4a1a128-768f-41e0-bf75-
  Queries value:
e4fddd701cba}\inprocserver32[threadingmodel]
                                    HKCR\interface \{7673b35e-907a-449d-a49f-e5ce47f0b0b2\} \proxystubclsid32[]
  Queries value:
  Queries value:
                                    HKCU\software\microsoft\internet explorer\tabbedbrowsing[groups]
  Queries value:
                                    HKCU\software\microsoft\internet
explorer\main\windowssearch[enabledscopes]
                                    HKLM\software\microsoft\windows search[currentversion]
  Oueries value:
                                    HKLM\system\currentcontrolset\control\nls\locale[00000409]
  Oueries value:
                                    HKLM\system\currentcontrolset\control\nls\language groups[1]
  Queries value:
  Oueries value:
                                    HKLM\software\microsoft\windows
\verb|nt\currentversion\languagepack\datastore_v1.0[disable]|\\
                                    HKLM\software\microsoft\windows
  Oueries value:
\verb|nt\currentversion\languagepack\datastore\_v1.0[datafilepath]|\\
  Queries value:
                                    HKLM\software\microsoft\windows
\verb|nt\currentversion\languagepack\surrogatefallback[plane1]|
  Oueries value:
                                    HKLM\software\microsoft\windows
nt\currentversion\languagepack\surrogatefallback[plane2]
  Oueries value:
                                    HKLM\software\microsoft\windows
nt\currentversion\languagepack\surrogatefallback[plane3]
  Queries value:
                                    HKLM\software\microsoft\windows
nt\currentversion\languagepack\surrogatefallback[plane4]
                                    HKLM\software\microsoft\windows
  Queries value:
nt\currentversion\languagepack\surrogatefallback[plane5]
                                    HKLM\software\microsoft\windows
  Queries value:
nt\currentversion\languagepack\surrogatefallback[plane6]
  Oueries value:
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nt\currentversion\languagepack\surrogatefallback[plane7]
  Queries value:
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nt\currentversion\languagepack\surrogatefallback[plane8]
  Queries value:
                                   HKLM\software\microsoft\windows
nt\currentversion\languagepack\surrogatefallback[plane9]
                                   HKLM\software\microsoft\windows
  Queries value:
nt\currentversion\languagepack\surrogatefallback[plane10]
  Oueries value:
                                   HKLM\software\microsoft\windows
nt\currentversion\languagepack\surrogatefallback[plane11]
                                   HKLM\software\microsoft\windows
  Queries value:
\verb|nt\currentversion\language| pack\surrogatefallback[plane12]|
                                   HKLM\software\microsoft\windows
  Oueries value:
nt\currentversion\languagepack\surrogatefallback[plane13]
                                   HKI M\software\microsoft\windows
  Oueries value:
nt\currentversion\languagepack\surrogatefallback[plane14]
  Oueries value:
                                    HKLM\software\microsoft\windows
\verb|nt\currentversion\languagepack\surrogatefallback[plane15]|
  Queries value:
                                   HKLM\software\microsoft\windows
nt\currentversion\languagepack\surrogatefallback[plane16]
  Queries value:
                                    \label{local-condition} \mbox{HKCU\software\mbox{\sc microsoft\internet explorer\mbox{\sc microsoft\sc micr
  Queries value:
                                    HKCU\software\microsoft\internet
explorer\toolbar\webbrowser[itbar7position]
                                    HKCU\software\microsoft\internet explorer\main[fullscreen]
  Queries value:
                                    HKLM\system\currentcontrolset\services\netbt\linkage[export]
  Queries value:
  Queries value:
                                    HKCR\clsid\{b5f8350b-0548-48b1-a6ee-88bd00b4a5e7}[]
  Queries value:
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88bd00b4a5e7}\inprocserver32[inprocserver32]
                                    HKCR\clsid\{b5f8350b-0548-48b1-a6ee-88bd00b4a5e7}\inprocserver32[]
  Oueries value:
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  Queries value:
88bd00b4a5e7}\inprocserver32[threadingmodel]
                                    HKCR\interface\{618736e0-3c3d-11cf-810c-00aa00389b71}\proxystubclsid32[]
  Queries value:
  Queries value:
                                    HKCU\software\microsoft\internet explorer\main[useie7autocomplete]
  Queries value:
                                    HKLM\software\microsoft\windows nt\currentversion\fontsubstitutes[segoe
ui]
                                    HKCU\software\microsoft\internet explorer\main[searchcontrolwidth]
  Oueries value:
                                    HKCU\software\microsoft\internet explorer\main[searchmigrated]
  Oueries value:
  Oueries value:
                                    HKCU\software\microsoft\internet explorer\main[searchmigratedinstalled]
  Oueries value:
                                    HKCU\software\microsoft\internet
explorer\main[searchmigrateddefaultname]
  Queries value:
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  Oueries value:
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  Queries value:
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  Queries value:
                                    HKCU\software\microsoft\internet explorer\searchscopes\{0633ee93-d776-
472f-a0ff-e1416b8b2e3a}[deleted]
  Queries value:
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472f-a0ff-e1416b8b2e3a}[url]
  Queries value:
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                                    HKCU\software\microsoft\internet explorer\searchscopes\{0633ee93-d776-
  Queries value:
472f-a0ff-e1416b8b2e3a}[showsearchsuggestions]
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  Queries value:
472f-a0ff-e1416b8b2e3a}[showsearchsuggestions]
                                    HKCU\software\microsoft\internet
  Queries value:
explorer\searchscopes[showsearchsuggestionsglobal]
  Oueries value:
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explorer\searchscopes[showsearchsuggestionsglobal]
  Queries value:
                                    HKCU\software\microsoft\internet explorer\searchscopes\{0633ee93-d776-
472f-a0ff-e1416b8b2e3a}[suggestionsurl_json]
  Queries value:
                                    HKLM\software\microsoft\internet explorer\searchscopes\{0633ee93-d776-
```

```
472f-a0ff-e1416b8b2e3a}[suggestionsurl_json]
                                               HKCU\software\microsoft\internet explorer\searchscopes\{0633ee93-d776-
   Queries value:
472f-a0ff-e1416b8b2e3a}[suggestionsurl_jsonfallback]
                                               HKLM\software\microsoft\internet explorer\searchscopes\{0633ee93-d776-
   Queries value:
472f-a0ff-e1416b8b2e3a}[suggestionsurl_jsonfallback]
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   Oueries value:
472f-a0ff-e1416b8b2e3a}[suggestionsurl]
   Queries value:
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472f-a0ff-e1416b8b2e3a}[suggestionsurl]
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472f-a0ff-e1416b8b2e3a}[suggestionsurlfallback]
   Queries value:
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472f-a0ff-e1416b8b2e3a}[previewurl]
                                               HKLM\software\microsoft\internet explorer\searchscopes\{0633ee93-d776-
  Oueries value:
472f-a0ff-e1416b8b2e3a}[previewurl]
                                               HKCU\software\microsoft\internet explorer\searchscopes\{0633ee93-d776-
   Queries value:
472f-a0ff-e1416b8b2e3a}[previewurlfallback]
   Queries value:
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472f-a0ff-e1416b8b2e3a}[previewurlfallback]
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   Oueries value:
472f-a0ff-e1416b8b2e3a}[faviconurl]
   Oueries value:
                                               HKLM \setminus software \setminus microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-d776-microsoft \setminus internet \ explorer \setminus search scopes \setminus \{0633ee93-microsoft \setminus internet \ explorer \setminus search scopes 
472f-a0ff-e1416b8b2e3a}[faviconurl]
   Queries value:
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472f-a0ff-e1416b8b2e3a}[faviconurlfallback]
   Queries value:
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                                               HKCU\software\microsoft\internet explorer\searchscopes\{0633ee93-d776-
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472f-a0ff-e1416b8b2e3a}[codepage]
   Queries value:
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472f-a0ff-e1416b8b2e3a}[codepage]
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472f-a0ff-e1416b8b2e3a}[sortindex]
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   Queries value:
                                               HKCU\software\microsoft\internet explorer\ietld[ietlddllversionhigh]
   Oueries value:
                                               HKCU\software\microsoft\internet explorer\ietld[ietldversionlow]
   Queries value:
                                               HKCU\software\microsoft\internet explorer\ietld[ietldversionhigh]
   Queries value:
                                               HKCU\software\microsoft\internet explorer\tabbedbrowsing[enabled]
                                               HKCU\software\microsoft\internet explorer\toolbar[locked]
   Queries value:
   Queries value:
                                               HKCU\software\microsoft\internet explorer\linksbar[enabled]
                                               HKCU\software\microsoft\internet
   Oueries value:
explorer\tabbedbrowsing[activitymetertimerinterval]
                                               HKCU\software\microsoft\internet
   Queries value:
explorer\tabbedbrowsing[activitymeterdisable]
                                               HKCU\software\microsoft\internet
   Queries value:
explorer\tabbedbrowsing[quicktabsthreshold]
                                               HKLM\software\microsoft\windows\tablet pc[istabletpc]
   Oueries value:
   Queries value:
                                               HKCU\software\microsoft\internet
explorer\tabbedbrowsing[thumbnailbehavior]
                                               HKCR\clsid\{56fdf344-fd6d-11d0-958a-006097c9a090}[]
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006097c9a090}\inprocserver32[inprocserver32]
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006097c9a090}\inprocserver32[threadingmodel]
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   Queries value:
explorer\toolbar\webbrowser[itbar7height]
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0 fb 58b 01c 4a 4 \} \\ language profile \\ 0x 000000000 \\ \{0001bea 3-ed 56-483d-a 2e 2-aeae 25577436\} \\ [enable]
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   Oueries value:
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   Queries value:
HKLM \ software \ microsoft \ windows \ current version \ policies \ nonenum \ [\{25336920-03f9-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0-11cf-8fd0
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   Oueries value:
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   Oueries value:
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extensions]
                                               HKCU\software\microsoft\internet
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   Queries value:
explorer\toolbar\webbrowser[itbarlayout]
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                                               HKLM\software\microsoft\internet
   Queries value:
explorer\main\featurecontrol\feature_addon_management[*]
   Queries value:
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abcdeffedcba}\inprocserver32[]
  Queries value:
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abcdeffedcbb}\inprocserver32[]
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abcdeffedcbc}\inprocserver32[]
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   Oueries value:
   Oueries value:
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  Queries value:
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00aa004ae837}\inprocserver32[loadwithoutcom]
                                      HKCU\software\microsoft\windows\currentversion\shell
  Oueries value:
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0xffff1
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  Queries value:
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00aa004ae837}\inprocserver32[inprocserver32]
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   Queries value:
00aa004ae837}\inprocserver32[threadingmodel]
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settings\zones\0[icon]
                                      HKLM\software\microsoft\windows\currentversion\internet
  Queries value:
settings\zones\0[minlevel]
  Oueries value:
                                      HKLM\software\microsoft\windows\currentversion\internet
settings\zones\0[recommendedlevel1
  Queries value:
                                      \label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet
settings\zones\0[currentlevel]
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settings\zones\1[icon]
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settings\zones\1[minlevel]
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settings\zones\2[icon1
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settings\zones\2[recommendedlevel]
  Queries value:
                                      \label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\
settings\zones\2[currentlevel]
  Queries value:
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settings\zones\3[icon]
                                      HKLM\software\microsoft\windows\currentversion\internet
  Queries value:
settings\zones\3[minlevel]
                                      \label{lem:hklm} \verb+Kklm \+ software \+ icrosoft \+ windows \+ current \+ version \+ internet
  Queries value:
settings\zones\3[recommendedlevel]
  Queries value:
                                      \label{lem:hkcu} \verb+KKCU \software \verb+ microsoft \verb+ windows \verb+ current version \verb+ internet+ \\
settings\zones\3[currentlevel]
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settings\zones\4[icon]
                                      HKLM\software\microsoft\windows\currentversion\internet
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settings\zones\4[minlevel]
  Queries value:
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```

```
settings\zones\4[recommendedlevel]
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settings\zones\4[currentlevel]
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 Queries value:
                         HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[urlencoding]
                         HKLM\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[specialfolderscachesize]
 Oueries value:
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settings[specialfolderscachesize]
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 Queries value:
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 Queries value:
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settings[specialfolderscachesize]
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explorer\main\featurecontrol\feature_legacy_dispparams[*]
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explorer\main\featurecontrol\feature_object_caching[iexplore.exe]
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 Queries value:
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 Oueries value:
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explorer\main\featurecontrol\feature_protocol_lockdown[iexplore.exe]
                         HKCU\software\microsoft\windows\currentversion\internet
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 Queries value:
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nt\currentversion\windows[dragscrolldelay]
                         HKCU\software\microsoft\windows
 Queries value:
nt\currentversion\windows[dragscrollinterval]
 Queries value:
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explorer\main\featurecontrol\feature_restrict_filedownload[iexplore.exe]
 Oueries value:
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explorer\main\featurecontrol\feature_restrict_filedownload[*]
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settings\zones\3[2106]
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                         HKCU\software\microsoft\internet explorer\zoom[resettextsizeonstartup]
 Oueries value:
                         HKCU\software\microsoft\internet explorer\zoom[resettextsizeonzoom]
 Queries value:
                         HKCU\software\microsoft\internet explorer\zoom[resetzoomonstartup2]
 Oueries value:
                         HKCU\software\microsoft\internet explorer\zoom[zoomfactor]
 Queries value:
                         HKCU\software\microsoft\internet explorer\phishingfilter[enabledv8]
 Queries value:
                         HKLM\software\policies\microsoft\internet explorer[smartdithering]
 Queries value:
                         HKCU\software\microsoft\internet explorer[smartdithering]
                         HKCU\software\microsoft\internet explorer[rtfconverterflags]
 Queries value:
                         HKCU\software\microsoft\internet explorer\main[usecleartype]
 Oueries value:
                         HKCU\software\microsoft\internet explorer\main[page_transitions]
 Oueries value:
 Queries value:
                         HKCU\software\microsoft\internet explorer\main[use_dlgbox_colors]
 Queries value:
                         HKCU\software\microsoft\internet explorer\main[anchor underline]
                         HKCU\software\microsoft\internet explorer\main[css_compat]
 Queries value:
                         HKCU\software\microsoft\internet explorer\main[expand alt text]
```

Queries value:

```
Oueries value:
                                   HKCU\software\microsoft\internet explorer\main[display inline images]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\main[display inline videos]
  Queries value:
                                   HKLM\software\microsoft\internet explorer\main[display inline videos]
  Queries value:
                                   \label{localization} \mbox{HKCU\software\mbox{\sc microsoft\internet explorer\mbox{\sc main[play\_background\_sounds]}} \mbox{}
                                   HKCU\software\microsoft\internet explorer\main[play_animations]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\main[print_background]
  Oueries value:
                                   HKCU\software\microsoft\internet explorer\main[use stylesheets]
  Queries value:
  Queries value:
                                   HKCU\software\microsoft\internet explorer\main[smoothscroll]
  Oueries value:
                                   HKCU\software\microsoft\internet explorer\main[xmlhttp]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\main[show image placeholders]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\main[disable script debugger]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\main[disablescriptdebuggerie]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\main[move system caret]
  Oueries value:
                                   HKCU\software\microsoft\internet explorer\main[force offscreen
composition]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\main[enable autoimageresize]
  Oueries value:
                                   HKCU\software\microsoft\internet explorer\main[usethemes]
  Oueries value:
                                   HKCU\software\microsoft\internet explorer\main[usehr]
  Oueries value:
                                   HKCU\software\microsoft\internet explorer\main[q300829]
                                   HKCU\software\microsoft\internet explorer\main[cleanup htcs]
  Queries value:
  Queries value:
                                   HKCU\software\microsoft\internet explorer\main[xdomainrequest]
  Oueries value:
                                   \label{lem:hklm} \verb+Kklm \+ software \+ microsoft \+ internet explorer \+ main[xdomain request]
  Oueries value:
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  Oueries value:
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explorer\international[default_codepage]
  Queries value:
                                   Queries value:
                                   HKCU\software\microsoft\internet
explorer\international\scripts[default_iefontsizeprivate]
  Queries value:
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  Queries value:
                                   HKCU\software\microsoft\internet explorer\settings[anchor color visited]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\settings[anchor color hover]
                                   HKCU\software\microsoft\internet explorer\settings[always use my colors]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\settings[always use my font
  Oueries value:
size1
  Queries value:
                                   HKCU\software\microsoft\internet explorer\settings[always use my font
face]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\settings[disable visited
hyperlinks]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\settings[use anchor hover
color]
  Oueries value:
                                   HKCU\software\microsoft\internet explorer\settings[miscflags]
  Oueries value:
                                   HKCU\software\microsoft\windows\currentversion\policies[allow
programmatic cut_copy_paste]
  Oueries value:
                                   HKLM\software\policies\microsoft\windows\currentversion\internet
{\tt settings[disable caching of sslpages]}
                                   HKCU\software\policies\microsoft\windows\currentversion\internet
  Oueries value:
settings[disablecachingofsslpages]
  Queries value:
                                   HKCU\software\microsoft\internet explorer\pagesetup[print_background]
  Oueries value:
                                   HKLM\system\currentcontrolset\control\nls\codepage[950]
  Oueries value:
                                   HKCU\software\microsoft\internet
explorer\international\scripts\3[iefontsize]
  Oueries value:
                                   HKCU\software\microsoft\internet
explorer\international\scripts\3[iefontsizeprivate]
  Queries value:
                                   HKCU\software\microsoft\internet
explorer\international\scripts\3[iepropfontname]
                                   HKCU\software\microsoft\internet
  Queries value:
explorer\international\scripts\3[iefixedfontname]
  Queries value:
                                   \label{local-equation} \begin{tabular}{ll} HKCU \software \mbox{$^{\prime}$ internet explorer \international [accept language]} \end{tabular}
  Queries value:
                                   HKCR \ | \ HKCR \ | 
                                   HKLM\software\microsoft\internet explorer\version vector[ie]
  Oueries value:
                                   HKLM\software\microsoft\internet explorer\version vector[vml]
  Oueries value:
  Queries value:
                                   HKLM\software\microsoft\internet explorer\version vector[windowsedition]
  Queries value:
                                   HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_zone_elevation[iexplore.exe]
  Queries value:
                                   HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_sslux[iexplore.exe]
  Queries value:
                                   HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature sslux[*1
                                   HKLM\software\microsoft\internet
  Oueries value:
explorer\main\featurecontrol\feature_browser_emulation[iexplore.exe]
  Oueries value:
                                   HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_browser_emulation[*]
                                   HKCU\software\microsoft\internet
  Oueries value:
explorer\browseremulation[allsitescompatibilitymode]
  Queries value:
                                   HKCU\software\microsoft\internet
explorer\browseremulation[intranetcompatibilitymode]
  Oueries value:
                                   HKCU\software\microsoft\internet
explorer\browseremulation[localmachinecompatibilitymode]
  Oueries value:
                                   HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\user agent[]
  Queries value:
                                   \label{lem:hklm} \verb+Kklm \+ software \+ icrosoft \+ windows \+ current \+ version \+ internet
settings\5.0\user agent[]
                                   HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings\5.0\user agent[compatible]
  Queries value:
                                   HKLM\software\microsoft\windows\currentversion\internet
settings\5.0\user agent[compatible]
  Oueries value:
                                   HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\user agent[version]
  Queries value:
                                   \label{lem:hklm} \verb+Kklm \+ software \+ icrosoft \+ windows \+ current \+ version \+ internet
settings\5.0\user agent[version]
  Queries value:
                                   HKCU\software\microsoft\windows\currentversion\internet settings[user
agent]
```

```
Oueries value:
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settings\5.0\user agent[platform]
 Queries value:
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settings\5.0\user agent[platform]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[2700]
 Queries value:
                          HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_xssfilter[iexplore.exe]
 Oueries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones[securitysafe]
 Queries value:
                          HKCU\software\microsoft\internet explorer\main[noprotectedmodebanner]
                          HKCR\interface\{00020400-0000-0000-0000-00000000046}\proxystubclsid32[]
 Queries value:
 Queries value:
                          HKCR\clsid\{00020420-0000-0000-c000-00000000046}[]
                          HKCR\clsid\{00020420-0000-0000-c000-
 Oueries value:
00000000046}\inprocserver32[inprocserver32]
                          HKCR\clsid\{00020420-0000-0000-c000-00000000046}\inprocserver32[]
 Queries value:
                          HKCR\clsid\{00020420-0000-0000-c000-
 Oueries value:
00000000046}\inprocserver32[threadingmodel]
                          HKCR\clsid\{9ba05972-f6a8-11cf-a442-00a0c90a8f39}[]
 Oueries value:
                          HKLM\software\microsoft\internet
 Queries value:
explorer\main\featurecontrol\feature_mshtml_autoload_ieframe[iexplore.exe]
                         HKLM\software\microsoft\internet
 Oueries value:
explorer\main\featurecontrol\feature_mshtml_autoload_ieframe[*]
                          HKCR\interface\{85cb6900-4d95-11cf-960c-0080c7f4ee85}\proxystubclsid32[]
 Queries value:
 Oueries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\0[2301]
 Queries value:
                          HKLM\software\microsoft\windows\currentversion\internet
settings\zones\0[2301]
 Queries value:
                          HKCR\clsid\{00020424-0000-0000-c000-00000000046}[]
 Queries value:
                          HKCR\clsid\{00020424-0000-0000-c000-
00000000046}\inprocserver32[inprocserver32]
  Queries value:
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                          HKCR\clsid\{00020424-0000-0000-c000-
00000000046}\inprocserver32[threadingmodel]
                          HKCR\interface\{85cb6900-4d95-11cf-960c-0080c7f4ee85}\typelib[]
 Queries value:
                          HKCR\interface\{85cb6900-4d95-11cf-960c-0080c7f4ee85}\typelib[version]
 Oueries value:
                          HKCR\typelib\{eab22ac0-30c1-11cf-a7eb-0000c05bae0b}\1.1\0\win32[]
 Queries value:
 Queries value:
                          HKCR\typelib\{00020430-0000-0000-c000-00000000046}\2.0\0\win32[]
 Queries value:
                          HKCU\software\microsoft\internet explorer\toolbar[menuuserexpanded]
 Queries value:
                          HKLM\software\microsoft\rpc[udtalignmentpolicy]
 Oueries value:
                          HKLM\software\policies\microsoft\windows\currentversion\internet
settings[warnonintranet]
                          HKCU\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[warnonintranet]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[warnonintranet]
                         HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\zonemap[autodetect]
                         HKCR\interface\{9d973e3b-f610-4f03-83d3-
 Oueries value:
aed90c3237ac}\synchronousinterface[]
                          HKCR\clsid\{50d5107a-d278-4871-8989-f4ceaaf59cfc}[]
 Queries value:
 Queries value:
                          HKCR\clsid\{50d5107a-d278-4871-8989-
f4ceaaf59cfc}\inprocserver32[inprocserver32]
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 Oueries value:
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f4ceaaf59cfc}\inprocserver32[threadingmodel]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[1c00]
 Queries value:
                          HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_activex_repurposedetection[iexplore.exe]
                          HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_activex_repurposedetection[*]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[1207]
 Queries value:
                          HKCR\clsid\{08b0e5c0-4fcb-11cf-aaa5-00401c608501}[appid]
 Queries value:
                          HKLM\software\policies\microsoft\windows\currentversion\internet
settings[cointernetcombineiuricachesize]
                          HKCU\software\policies\microsoft\windows\currentversion\internet
 Oueries value:
settings[cointernetcombineiuricachesize]
                          HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[cointernetcombineiuricachesize]
                          HKLM\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[cointernetcombineiuricachesize]
                          HKLM\software\microsoft\internet explorer\activex
 Oueries value:
compatibility \verb|\{08b0e5c0-4fcb-11cf-aaa5-00401c608501\}[compatibility flags]|
 Queries value:
                         HKLM\software\microsoft\internet explorer\activex
compatibility\{08b0e5c0-4fcb-11cf-aaa5-00401c608501}[miscstatus flags]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[120b]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[1208]
 Queries value:
                          HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[2201]
 Queries value:
                          HKLM\software\microsoft\internet
explorer\main\featurecontrol\feature_restrict_activexinstall[iexplore.exe]
                          HKLM\software\microsoft\internet
 Queries value:
explorer\main\featurecontrol\feature_restrict_activexinstall[*]
                          HKCR\clsid\{08b0e5c0-4fcb-11cf-aaa5-00401c608501}\treatas[]
 Oueries value:
 Queries value:
                          HKCU\software\classes\clsid\{cafeefac-0017-0000-0002-abcdeffedcbb}[]
 Queries value:
                          HKCU\software\classes\clsid\{cafeefac-0017-0000-0002-
abcdeffedcbb}\inprocserver32[inprocserver32]
```

HKCR\clsid\{cafeefac-0017-0000-0002-

Queries value:

```
abcdeffedcbb}\inprocserver32[inprocserver32]
                                              HKCU\software\classes\clsid\{cafeefac-0017-0000-0002-
abcdeffedcbb}\inprocserver32[threadingmodel]
   Queries value:
                                              HKLM\software\javasoft\java runtime environment\1.7.0_02[eula]
                                              HKLM\software\javasoft\java plug-in\10.2.0[usejava2iexplorer]
   Queries value:
                                              Oueries value:
11cf-aaa5-00401c608501}\iexplore[count]
   Queries value:
                                              HKCU\software\microsoft\windows\currentversion\internet
settings\zones\3[1201]
                                              HKCU\software\microsoft\windows\currentversion\internet
   Queries value:
settings\zones\3[2000]
   Queries value:
                                              HKLM\software\microsoft\windows\currentversion\explorer\kindmap[.html]
   Queries value:
                                              HKCR\htmlfile[nostaticdefaultverb]
   Oueries value:
                                              HKCR\htmlfile\shell[]
                                              HKCR\htmlfile\shell\opennew[neverdefault]
   Oueries value:
                                              HKCR\htmlfile\shell\edit\command[]
   Queries value:
                                              HKLM\software\microsoft\internet explorer\default html editor[stubs]
   Oueries value:
                                              \label{lem:hklm} \verb+KKLM\+ software \verb+\microsoft\+ internet explorer \verb+\default html+ \\
   Queries value:
editor[description]
                                              HKLM\software\microsoft\internet explorer\default html
   Oueries value:
editor\shell\edit[friendlyappname]
   Oueries value:
                                              HKLM\software\microsoft\windows\currentversion\explorer\kindmap[.htm]
   Oueries value:
                                              HKCR\.htm[]
   Queries value:
                                              HKCR\applications\notepad.exe\shell\edit\command[]
   Oueries value:
                                              HKCU\software\microsoft\internet explorer\main[checkdocumentforprogid]
   Queries value:
                                              HKLM\software\microsoft\internet explorer\main[checkdocumentforprogid]
   Queries value:
                                              HKLM\software\microsoft\internet explorer\feed discovery[enabled]
   Queries value:
                                              HKCU\software\microsoft\ftp[use web based ftp]
                                              HKCU\software\microsoft\internet
   Queries value:
explorer\services[selectionactivitybuttondisable]
                                              HKCR\clsid\{ff393560-c2a7-11cf-bff4-444553540000}\inprocserver32[]
   Queries value:
                                              Queries value:
444553540000}\inprocserver32[loadwithoutcom]
   Oueries value:
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extensions\cached[{ff393560-c2a7-11cf-bff4-444553540000} {000214e6-0000-0000-c000-000000000046}
0xffff]
   Queries value:
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   Queries value:
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   Queries value:
444553540000}\inprocserver32[threadingmodel]
                                              HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\5.0\cache\extensible cache\mshist012016032920160330[cacherepair]
  Oueries value:
                                              HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\mshist012016032920160330[cachepath]
                                              HKCU\software\microsoft\windows\currentversion\internet
  Queries value:
settings\5.0\cache\extensible cache\mshist012016032920160330[cacheprefix]
   Queries value:
                                              HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\mshist012016032920160330[cachelimit]
   Queries value:
                                              HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\mshist012016032920160330[cacheoptions]
   Oueries value:
                                              HKCU \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{20d04fe0-theoryte \} + theoryte \setminus foreign + theoryte \} + theoryte \setminus foreign + theoryte \} + theoryte \setminus foreign + theoryte \setminus foreign + theoryte \} + theoryte \setminus foreign + theoryte \setminus foreign + theoryte \} + theoryte \setminus foreign + theoryt
3aea-1069-a2d8-08002b30309d}[]
   Queries value:
                                              HKCR\clsid\{20d04fe0-3aea-1069-a2d8-08002b30309d}\ [localized string]
   Queries value:
                                              HKCR \land extraction{ HKCR \land extraction{HKCR \land ex
   Queries value:
                                              HKCR\interface\{d30c1661-cdaf-11d0-8a3e-00c04fc9e26e}\typelib[]
                                              HKCR\interface\{d30c1661-cdaf-11d0-8a3e-00c04fc9e26e}\typelib[version]
   Queries value:
                                              HKCR\interface\{6d5140c1-7436-11ce-8034-00aa006009fa}\proxystubclsid32[]
   Queries value:
   Queries value:
                                              HKCR \verb|\interface| \{b722bccb-4e68-101b-a2bc-00aa00404770\} \verb|\proxystubclsid32[]| \\
   Oueries value:
                                              HKCU\software\microsoft\internet explorer\main[use formsuggest]
   Oueries value:
                                              HKLM\software\microsoft\internet explorer\main[use formsuggest]
   Queries value:
ae3b-bf251ea09b53}[category]
   Oueries value:
ae3b-bf251ea09b53}[name]
   Oueries value:
HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d20beec4-5ca8-4905-
ae3b-bf251ea09b53}[parentfolder]
   Oueries value:
ae3b-bf251ea09b53}[description]
   Oueries value:
HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d20beec4-5ca8-4905-
ae3b-bf251ea09b53}[relativepath]
   Oueries value:
ae3b-bf251ea09b53}[parsingname]
   Queries value:
ae3b-bf251ea09b53}[infotip]
ae3b-bf251ea09b53}[localizedname]
ae3b-bf251ea09b53}[icon1
   Queries value:
ae3b-bf251ea09b53}[security]
   Queries value:
```

ae3b-bf251ea09b53}[streamresource]

Queries value:

ae3b-bf251ea09b53}[streamresourcetype]

Oueries value:

ae3b-bf251ea09b53}[localredirectonly]

Oueries value:

ae3b-bf251ea09b53}[roamable]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d20beec4-5ca8-4905ae3b-bf251ea09b53}[precreate]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d20beec4-5ca8-4905ae3b-bf251ea09b53}[stream]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{d20beec4-5ca8-4905ae3b-bf251ea09b53}[publishexpandedpath]

Queries value:

 $HKLM \label{lem:hklm} HKLM \label{lem:hklm} HKLM \label{lem:hklm} With the highest expectation \label{lem:hklm} HKLM \label{lem:hklm} With the highest expectation \label{lklm} With the highest expectation \label{lklkm} With the h$ ae3b-bf251ea09b53}[attributes]

Queries value:

ae3b-bf251ea09b53}[foldertypeid]

Queries value:

ae3b-bf251ea09b53}[initfolderhandler]

Queries value: $HKCR \ clsid \ \{f02c1a0d-be21-4350-88b0-7367fc96ef3c\} [sortorderindex]$

Queries value:

850d-79d08e667ca7}[category]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{0ac0837c-bbf8-452a-850d-79d08e667ca7}[name]

Queries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{0ac 0837c-bbf8-452a-bdf8-4$ 850d-79d08e667ca7}[parentfolder]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{0ac0837c-bbf8-452a-850d-79d08e667ca7}[description]

Queries value:

850d-79d08e667ca7}[relativepath]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{0ac0837c-bbf8-452a-850d-79d08e667ca7}[parsingname]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{0ac0837c-bbf8-452a-850d-79d08e667ca7}[infotip] Oueries value:

 $HKLM \label{lem:hklm} HKLM \label{lem:hklm} HKLM \label{lem:hklm} With the highest example and the h$ 850d-79d08e667ca7}[localizedname] Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{0ac0837c-bbf8-452a-850d-79d08e667ca7}[icon]

850d-79d08e667ca7}[security] Oueries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ \ folder descriptions \ \ \ \{0ac 0837c-bbf8-452a-bf8-452$ 850d-79d08e667ca7}[streamresource]

Queries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{0ac 0837c-bbf8-452a-bdf8-4$ 850d-79d08e667ca7}[streamresourcetype]

Queries value:

 $HKLM \label{lem:hklm} Which will be a simple the latest and the$ 850d-79d08e667ca7}[localredirectonly]

Oueries value:

 $HKLM \setminus software \setminus irrosoft \setminus ir$ 850d-79d08e667ca7}[roamable]

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{0ac0837c-bbf8-452a-850d-79d08e667ca7}[precreate]

Queries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{0ac0837c-bbf8-452a-850d-79d08e667ca7}[stream]

Oueries value:

 $HKLM \ software \ `microsoft \ `windows \ `current version \ `explorer \ `folder descriptions \ `\{0ac 0837c-bbf8-452a-bdf8-4$ 850d-79d08e667ca7}[publishexpandedpath]

850d-79d08e667ca7}[attributes]

Queries value:

850d-79d08e667ca7}[foldertypeid]

Oueries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{0 ac 0 837 c-b bf 8-452 a-b bf 8-452$ 850d-79d08e667ca7}[initfolderhandler]

Queries value: 11cf-aaa5-00401c608501}\iexplore[type]

 $\label{thm:linear} Queries \ value: \\ HKCU \ software \ microsoft \ internet \ explorer \ caretbrowsing \ [enable on startup] \\$

Queries value: HKLM\software\microsoft\internet explorer\main[maxrenderline]

Queries value: HKCU\software\microsoft\internet explorer\suggested sites[migrationtime]
Queries value: HKLM\software\microsoft\internet explorer\migration[ie installed date]

Queries value: HKCU\software\microsoft\internet

explorer\main[ie8runonceperinstallcompleted]

Queries value: HKCU\software\microsoft\internet explorer\main[ie8runoncecompletiontime]
Queries value: HKCU\software\microsoft\internet explorer\main[check_associations]

Queries value: HKCU\software\microsoft\internet explorer\suggested

sites[objectscreated]

Queries value: HKCU\software\microsoft\internet explorer\suggested sites[slicepath]
Queries value: HKCU\software\microsoft\internet explorer\searchscopes[version]
Queries value: HKCU\software\microsoft\internet explorer\searchscopes[upgradetime]
Queries value: HKLM\software\microsoft\cryptography\defaults\provider types\type
001[name]

Queries value: HKCU\software\microsoft\internet explorer\user

preferences[2d53cffc5c1a3dd2e97b7979ac2a92bd59bc839e81]

Queries value: HKCU\software\microsoft\internet explorer\user

preferences[88d7d0879dab32e14de5b3a805a34f98aff34f5977]

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

folders[desktop]
Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{a520a1a4-1780-4ff6-

bd18-167343c5af16}[category]
Queries value:

 $\label{thm:hklm:software} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \explorer \folder descriptions \folder \folder$

Queries value:

 $\label{thm:local-continuous} HKLM \software \ensuremath{\mbox{\mbox{$^4520a1a4-1780-4ff6-bd18-167343c5af16}[parentfolder]} \\$

Oueries value

Queries value:

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

Queries value:

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

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{a520a1a4-1780-4ff6-bd18-167343c5af16\} [infotip]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{a520a1a4-1780-4ff6-bd18-167343c5af16\} \ [localized name]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{a520a1a4-1780-4ff6-bd18-167343c5af16\} [icon]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{a520a1a4-1780-4ff6-bd18-167343c5af16\} \ [security]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{a520a1a4-1780-4ff6-bd18-167343c5af16\} [stream resource]$

Queries value

 $HKLM \software \microsoft \windows \current version \explorer \folder descriptions \as 220 a 1a 4-1780-4ff 6-bd 18-16734 a 25 a f 16 \[stream resource type \]$

Queries value:

 $\label{thm:hammon} HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{a520a1a4-1780-4ff6-bd18-167343c5af16\}[localredirectonly]$

Queries value:

 $\label{thm:hklm:software} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \explorer \folder descriptions \folder \folder$

Queries value:

WKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{a520a1a4-1780-4ff6-bd18-167343c5af16}[precreate]

Queries value:

 $\label{thm:local-continuous} HKLM \software \microsoft \windows \current version \explorer \folder descriptions \fast a 4-1780-4ff bd 18-167343 \colored \$

Queries value:

 $\label{thm:local-prop} HKLM \software \mbox{a520a1a4-1780-4ff6-bd18-167343c5af16} [publish expanded path]$

Oueries value:

HKLM\software\microsoft\windows\currentversion\explorer\folderdescriptions\{a520a1a4-1780-4ff6-bd18-167343c5af16}[attributes]

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ folder descriptions \ \ \{a520a1a4-1780-4ff6-bd18-167343c5af16\} \ [folder typeid]$

Queries value:

 $HKLM \ software \ microsoft \ windows \ current version \ \ explorer \ \ folder descriptions \ \ \{a520a1a4-1780-4ff6-bd18-167343c5af16\} [init folder handler]$

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

folders[{a520a1a4-1780-4ff6-bd18-167343c5af16}]

Queries value: HKCU\software\microsoft\internet

 $\verb|explorer\tabbed| browsing[quick tabslast used]|$

Queries value: HKLM\software\javasoft\java runtime environment\1.7[javahome]

Queries value: HKCU\software\microsoft\windows

nt\currentversion\appcompatflags[showdebuginfo]

Queries value: HKLM\software\microsoft\windows

 $\verb|nt\currentversion\compatibility32[jp2launcher]|\\$

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

folders[cache]

```
Queries value:
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nt\currentversion\appcompatflags\layers[c:\program files\java\jre7\bin\java.exe]
                                                            HKLM\software\microsoft\windows
    Queries value:
nt\currentversion\appcompatflags[{22624cac-fe50-451e-9261-e7f22aab93ec}]
                                                            HKCU\software\microsoft\windows
   Queries value:
nt\currentversion\appcompatflags[{22624cac-fe50-451e-9261-e7f22aab93ec}]
                                                            HKLM\software\microsoft\windows nt\currentversion\compatibility32[java]
    Queries value:
   Queries value:
                                                            HKLM\software\microsoft\windows
nt\currentversion\windows[gdiprocesshandlequota]
   Queries value:
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    Queries value:
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   Queries value:
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fd27e3774e32}\0000[pruningmode]
                                                            HKLM\hardware\devicemap\video[\device\video0]
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9dd4432fa2e9}\0000[pruningmode]
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   Oueries value:
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   Queries value:
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8ed0c8eb59a8}\0000[pruningmode]
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92a0-31c0fbaf00c01
    Oueries value:
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    Queries value:
                                                            HKLM\software\microsoft\direct3d\drivers[name]
    Queries value:
                                                            HKLM \setminus software \setminus microsoft \setminus direct 3d \setminus dx \\ 6texture enuminclusion list[size]
   Oueries value:
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   Queries value:
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   Oueries value:
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   Queries value:
HKLM\system\currentcontrolset\control\class\{4d36e96e-e325-11ce-bfc1-
   Queries value:
08002be10318}\0000\modes\640,480[mode1]
   Oueries value:
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                                                            Oueries value:
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   Oueries value:
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   Oueries value:
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08002be10318}\0000\modes\640.480[mode61
   Queries value:
                                                           08002be10318}\0000\modes\640.480[mode7]
   Queries value:
                                                            08002be10318}\0000\modes\640,480[mode8]
   Queries value:
                                                            08002be10318}\0000\modes\640,480[mode9]
   Queries value:
parameters[edid]
                                                            HKLM\system\currentcontrolset\hardware
profiles\0001\system\currentcontrolset\control\video\{c54b6caf-be91-4a10-ab56-
fd27e3774e32}\0000[defaultsettings.bitsperpel]
   Oueries value:
                                                           HKLM\system\currentcontrolset\hardware
profiles\0001\system\currentcontrolset\control\video\{c54b6caf-be91-4a10-ab56-
fd27e3774e32}\0000[defaultsettings.xresolution]
                                                           HKLM\system\currentcontrolset\hardware
   Oueries value:
profiles\0001\system\currentcontrolset\control\video\{c54b6caf-be91-4a10-ab56-
fd27e3774e32}\0000[defaultsettings.yresolution]
                                                           HKLM\system\currentcontrolset\hardware
   Oueries value:
profiles \verb|\| 0001 | system \verb|\| control \verb|\| video \verb|\| (c54b6caf-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab
fd27e3774e32}\0000[defaultsettings.vrefresh]
                                                          HKLM\system\currentcontrolset\hardware
   Queries value:
profiles\0001\system\currentcontrolset\control\video\{c54b6caf-be91-4a10-ab56-
fd27e3774e32}\0000[defaultsettings.flags]
   Queries value:
                                                           HKLM\system\currentcontrolset\hardware
profiles \verb|\|0001| system \verb|\| control \verb|\| video \verb|\| \{c54b6caf-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56
fd27e3774e32}\0000[defaultsettings.xpanning]
   Queries value:
                                                           HKLM\system\currentcontrolset\hardware
profiles\0001\system\currentcontrolset\control\video\{c54b6caf-be91-4a10-ab56-
fd27e3774e32}\0000[defaultsettings.ypanning]
    Queries value:
                                                            HKLM\system\currentcontrolset\hardware
profiles \verb|\| 0001 \verb|\| system \verb|\| control \verb|\| video \verb|\| (c54b6caf-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10
fd27e3774e32}\0000[defaultsettings.orientation]
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profiles\0001\system\currentcontrolset\control\video\{c54b6caf-be91-4a10-ab56-
fd27e3774e32}\0000[defaultsettings.fixedoutput]
                                                           HKLM\system\currentcontrolset\hardware
profiles \verb|\| 0001 \verb|\| system \verb|\| control \verb|\| video \verb|\| \{c54b6caf-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10-ab56-be91-4a10
fd27e3774e32}\0000[attach.relativex]
   Oueries value:
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profiles\0001\system\currentcontrolset\control\video\{c54b6caf-be91-4a10-ab56-
fd27e3774e32}\0000[attach.relativey]
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Oueries value:
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   Queries value:
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explorer\main\featurecontrol\feature_disable_unicode_handle_closing_callback[java.exe]
                                                     HKCU\control panel\desktop[fontsmoothingorientation]
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shell dlg 21
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   Queries value:
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   Oueries value:
   Sets/Creates value:
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explorer\recovery\adminactive[{3c3fda93-f55e-11e5-808f-080027dfc114}]
                                                     HKCU\software\microsoft\windows\currentversion\internet
   Sets/Creates value:
settings\5.0\cache\extensible cache\mshist012016032920160330[cachepath]
   Sets/Creates value:
                                                     HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\mshist012016032920160330[cacheprefix]
   Sets/Creates value:
                                                     HKCU\software\microsoft\windows\currentversion\internet
settings\5.0\cache\extensible cache\mshist012016032920160330[cachelimit]
   Sets/Creates value:
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settings\5.0\cache\extensible cache\mshist012016032920160330[cacheoptions]
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   Sets/Creates value:
settings\5.0\cache\extensible cache\mshist012016032920160330[cacherepair]
   Sets/Creates value:
                                                     \label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet
                                                  -2018-468e-8424-f397ea7f7ea0}[wpaddecisionreason]
settings\wpad\{c88c1fae
                                                     \label{local-observation} \mbox{HKCU\software\mbox{\tt Microsoft\windows\currentversion\linearing}} \mbox{\tt Internet} \mbox{\tt MKCU\software\mbox{\tt Microsoft\windows\currentversion\linearing}} \mbox{\tt Accounts of the constraint o
   Sets/Creates value:
settings\wpad\{c88c1fae-2018-468e-8424-f397ea7f7ea0}[wpaddecisiontime]
   Sets/Creates value:
                                                     HKCU\software\microsoft\windows\currentversion\internet
settings \verb|\wpad|{c88c1fae-2018-468e-8424-f397ea7f7ea0}| [wpaddecision]
   Sets/Creates value:
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   Sets/Creates value:
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   Sets/Creates value:
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   Value changes:
                                                     HKCU\software\microsoft\windows\currentversion\internet
   Value changes:
settings\zonemap[uncasintranet]
   Value changes:
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settings\zones[securitysafe]
   Value changes:
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settings[proxyenable]
                                                     HKCU\software\microsoft\windows\currentversion\internet
   Value changes:
settings\connections[savedlegacysettings]
   Value changes:
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435b-bc74-9c25c1c588a9}\iexplore[time]
   Value changes:
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                                                     HKCU\software\microsoft\windows\currentversion\ext\stats\{08b0e5c0-4fcb-
11cf-aaa5-00401c608501}\iexplore[count]
   Value changes:
                                                     \label{lem:hkcu} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \ext \stats \end{tabular} \begin{tabular}{ll} 408b0e5c0-4fcb-1000 \mbox{\current version} \end{tabular} \begin{tabular}{ll} 408b0e5c0-4fcb-1000 \mbox{\current version} \mbox{\current version} \end{tabular} \begin{tabular}{ll} 408b0e5c0-4fcb-1000 \mbox{\current version} \mbox
11cf-aaa5-00401c608501}\iexplore[time]
   Value changes:
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settings\5.0\cache\extensible cache\mshist012016032920160330[cachepath]
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   Value changes:
                                                     HKCU\software\microsoft\windows\currentversion\internet
   Value changes:
```

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

settings\connections[defaultconnectionsettings]

Value changes:

settings\wpad[wpadlastnetwork]