# Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details

Host: mag2, Sample ID: 3332, Task ID: 838

Task ID: 838 Risk Level: 10

Date Processed: 2016-05-18 10:44:24 (UTC)

Processing Time: 38.13 seconds Virtual Environment: IntelliVM

**Execution Arguments:** "c:\windows\temp\1bb90eca6f10f100c1d941d1fe06e7a9.exe"

Sample ID: Type: basic admin Owner:

1bb90eca6f10f100c1d941d1fe06e7a9 Label:

2016-05-18 10:30:52 (UTC) Date Added:

PE32:win32:gui File Type: File Size: 61440 bytes

1bb90eca6f10f100c1d941d1fe06e7a9 MD5:

85349ac8d14cdc29e66a07cda3c2bd0c128428825ffbc03fd0a90dddad2f15b5 SHA256:

Description: None

### Pattern Matching Results

3 Long sleep detected

4 Terminates process under Windows subfolder

10 Creates malicious events: Beebone [Trojan]

6 Checks task list from command line

#### Process/Thread Events

C:\windows\temp\1bb90eca6f10f100c1d941d1fe06e7a9.exe Creates process:

["C:\windows\temp\1bb90eca6f10f100c1d941d1fe06e7a9.exe"]

C:\Windows\SysWOW64\cmd.exe ["C:\Windows\System32\cmd.exe" /c Creates process:

tasklist&&del 1bb90eca6f10f100c1d941d1fe06e7a9.exe]

C:\Windows\SysWOW64\tasklist.exe [tasklist] Creates process:

Terminates process: C:\Windows\Temp\1bb90eca6f10f100c1d941d1fe06e7a9.exe

C:\Windows\SysWOW64\tasklist.exe Terminates process: C:\Windows\SysWOW64\cmd.exe Terminates process:

#### 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!

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

Creates mutex: \Sessions\1\BaseNamedObjects\WininetStartupMutex \Sessions\1\BaseNamedObjects\WininetConnectionMutex Creates mutex:  $\verb|\Sessions|1| Base Named Objects | Wininet ProxyRegistry Mutex| \\$ Creates mutex:

\Sessions\1\BaseNamedObjects\RasPbFile Creates mutex:

\Sessions\1\BaseNamedObjects\ZonesCounterMutex Creates mutex:

 $\verb|\Sessions|| 1 \\| BaseNamedObjects\\| ZoneAttributeCacheCounterMutex|| \\$ Creates mutex:

Creates mutex:  $\verb|\Sessions|1\BaseNamedObjects|\ZonesCacheCounterMutex|$ \Sessions\1\BaseNamedObjects\ZonesLockedCacheCounterMutex Creates mutex:

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

\Sessions\1\BaseNamedObjects\CicLoadWinStaWinSta0 Creates mutex:

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

\Security\LSA\_AUTHENTICATION\_INITIALIZED Creates event: \BaseNamedObjects\SvcctrlStartEvent\_A3752DX Creates event:

\BaseNamedObjects\BFE\_Notify\_Event\_{25412d85-64de-454f-917f-Creates event:

083e947dbc2e}

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

Creates event: \KernelObjects\MaximumCommitCondition

\BaseNamedObjects\ConsoleEvent-0x0000000000000B44 Creates event: Creates event:

\BaseNamedObjects\TermSrvReadyEvent

\Sessions\1\BaseNamedObjects\C:?WINDOWS?TEMP? Creates semaphore:

1BB90ECA6F10F100C1D941D1FE06E7A9.EXE

## File System Events

Creates: C:\Users\Admin

Creates C:\Users\Admin\AppData\Local

 ${\tt C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary\ Internet\ Files}$ Creates:

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

C:\Users\Admin\AppData\Roaming\Microsoft\Windows\Cookies Creates: C:\Users\Admin\AppData\Local\Microsoft\Windows\History Creates: Creates: C:\Users\Admin\AppData\Local\Microsoft\Windows\Caches Opens: C:\Windows\Prefetch\1BB90ECA6F10F100C1D941D1FE06E-5610976D.pf

```
C:\Windows
 Opens:
                         C:\Windows\System32\wow64.dll
 Opens:
 Opens:
                         C:\Windows\System32\wow64win.dll
                         C:\Windows\System32\wow64cpu.dll
 Opens:
 Opens:
                         C:\Windows\system32\wow64log.dll
 Opens:
                         C:\Windows\SysWOW64
                         C:\windows\temp\MSVBVM60.DLL
 Opens:
                         C:\Windows\SysWOW64\msvbvm60.dll
 Opens:
                         C:\Windows\SysWOW64\sechost.dll
 Opens:
                         C:\Windows\SysWOW64\imm32.dll
 Opens:
 Opens:
                         C:\Windows\Globalization\Sorting\SortDefault.nls
 Opens:
                         C:\Windows\SysWOW64\rpcss.dll
 Opens:
                         C:\Windows\SysWOW64\uxtheme.dll
 Opens:
                         C:\windows\temp\1bb90eca6f10f100c1d941d1fe06e7a9.exe.cfg
 Opens:
                         C:\windows\temp\SXS.DLL
                         C:\Windows\SysWOW64\sxs.dll
 Opens:
 Opens:
                         C:\Windows\System32\C_932.NLS
 Opens:
                         C:\Windows\System32\C_949.NLS
 Opens:
                         C:\Windows\System32\C_950.NLS
                         C:\Windows\System32\C_936.NLS
 Opens:
 Opens:
                         C:\windows\temp\dwmapi.dll
 Opens:
                         C:\Windows\SysWOW64\dwmapi.dll
                         C:\Windows\SysWOW64\en-US\user32.dll.mui
 Opens:
 Opens:
                         C:\Windows\Fonts\StaticCache.dat
 Opens:
                         C:\Windows\Temp\1bb90eca6f10f100c1d941d1fe06e7a9.exe
 Opens:
 Opens:
                         C:\Windows\SysWOW64\wininet.dll
 Opens:
                         C:\windows\temp\1bb90eca6f10f100c1d941d1fe06e7a9.exe.Local\
                         C:\Windows\winsxs\x86 microsoft.windows.common-
 Opens:
controls_6595b64144ccf1df_6.0.7601.17514_none_41e6975e2bd6f2b2
 Opens:
                         C:\Windows\winsxs\x86_microsoft.windows.common-
controls_6595b64144ccf1df_6.0.7601.17514_none_41e6975e2bd6f2b2\comctl32.dll
                         C:\Windows\WindowsShell.Manifest
 Opens:
 Opens:
                         C:\windows\temp\profapi.dll
                         C:\Windows\SysWOW64\profapi.dll
 Opens:
 Opens:
                         C:\Users\Admin
 Opens:
                         C:\Users\Admin\AppData\Local
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet Files
 Opens:
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
Files\desktop.ini
                         {\tt C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary\ Internet}
 Opens:
Files\Content.IE5
                         \verb|C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet| \\
 Opens:
Files\Content.IE5\desktop.ini
                         C:\Users\Admin\AppData\Roaming
 Opens:
 Opens:
                         C:\Users\Admin\AppData\Roaming\Microsoft\Windows\Cookies
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\History
 Opens:
 Opens:
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\History\desktop.ini
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\History\History.IE5
 Opens:
 Opens:
C:\Users\Admin\AppData\Local\Microsoft\Windows\History\History.IE5\desktop.ini
                         C:\Users\Admin\AppData\Local\Microsoft\Windows\Temporary Internet
 Opens:
Files\Content.IE5\index.dat
                         \verb|C:\Users\Admin\AppData\Roaming\Microsoft\Windows\Cookies\index.dat|\\
 Opens:
 Opens:
\label{lem:c:start} C: \label{lem:c:start} Admin\ App Data \ Local\ Microsoft\ Windows\ History\ . IE5\ index.\ dat
                         C:\windows\temp\ntmarta.dll
 Opens:
 Opens:
                         C:\Windows\SysWOW64\ntmarta.dll
 Opens:
                         C:\windows\temp\dnsapi.DLL
 Opens:
                         C:\Windows\SysWOW64\dnsapi.dll
 Opens:
                         C:\windows\temp\iphlpapi.DLL
 Opens:
                         C:\Windows\SysWOW64\IPHLPAPI.DLL
 Opens:
                         C:\windows\temp\WINNSI.DLL
 Opens:
                         C:\Windows\SysWOW64\winnsi.dll
 Opens:
                         C:\windows\temp\RASAPI32.dl1
 Opens:
                         C:\Windows\SysWOW64\rasapi32.dll
 Opens:
                         C:\windows\temp\rasman.dll
                         C:\Windows\SysWOW64\rasman.dll
 Opens:
 Opens:
                         C:\windows\temp\rtutils.dll
 Opens:
                         C:\Windows\SysWOW64\rtutils.dll
                         C:\ProgramData\Microsoft\Network\Connections\Pbk\
 Opens:
 Opens:
                         C:\Windows\SysWOW64\ras
                         Opens:
 Opens:
                         C:\windows\temp\sensapi.dll
 Opens:
                         C:\Windows\SysWOW64\SensApi.dll
                         C:\Windows\SysWOW64\nlaapi.dll
 Opens:
 Opens:
                         C:\windows\temp\rasadhlp.dll
 Opens:
                         C:\Windows\SysWOW64\rasadhlp.dll
 Opens:
                         C:\windows\temp\VERSION.dll
 Opens:
                         C:\Windows\SysWOW64\version.dll
 Opens:
                         C:\Windows\SysWOW64\en-US\urlmon.dll.mui
                         C:\Windows\SysWOW64\mswsock.dll
 Opens:
 Opens:
                         C:\Windows\SysWOW64\WSHTCPIP.DLL
```

C:\Windows\SysWOW64\wship6.dll Opens: Opens: C:\windows\temp\dhcpcsvc6.DLL C:\Windows\SysWOW64\dhcpcsvc6.dll Opens: Opens: C:\windows\temp\dhcpcsvc.DLL Opens: C:\Windows\SysWOW64\dhcpcsvc.dll Opens: C:\Windows\System32\drivers\etc\hosts C:\Windows\SysWOW64\FWPUCLNT.DLL Opens: C:\Windows\SysWOW64\uxtheme.dll.Config Opens:

Opens: C:\Windows\SysWOW64\ole32.dll Opens: C:\windows\temp\PROPSYS.dll Opens: C:\Windows\SysWOW64\propsys.dll Opens: C:\Windows\SysWOW64\shell32.dll Opens: C:\windows\temp\apphelp.dll Opens: C:\Windows\SysWOW64\apphelp.dll Opens: C:\Windows\SysWOW64\ieframe.dll Opens: C:\Windows\SysWOW64\oleacc.dll Opens: C:\windows\temp\OLEACCRC.DLL Opens: C:\Windows\SysWOW64\oleaccrc.dll

Opens: C:\Windows\SysWOW64\en-US\setupapi.dll.mui

Opens: C:\Users\Admin\AppData\Local\Microsoft\Windows\Caches\cversions.1.db
Opens: C:\Users\Admin\AppData\Local\Microsoft\Windows\Caches\{AFBF9F1A-8EE8-

4C77-AF34-C647E37CA0D9}.1.ver0x00000000000001.db

Opens: C:\Users\Admin\Desktop\desktop.ini
Opens: C:\Windows\System32\propsys.dll

 $\label{lem:condition} Opens: $$C:\Windows\SysWOW64\en-US\propsys.dll.mui $$Opens: $C:\Windows\SysWOW64\cmd.exe$$ 

Opens: C:\Windows\SysWOW64\cmd.exe:Zone.Identifier

Opens: C:\Windows\Syswowo4\Cild.exe.2one.1dent111er

Opens: C:\Windows\SysWOW64\ui\SwDRM.dll
Opens: C:\Windows\WINHELP.INI

Opens: C:\Windows\WiNHELP.INI
Opens: C:\Windows\SysWOW64\.HLP
Opens: C:\Windows\Help\.HLP

Opens: C:\Windows\Prefetch\TASKLIST.EXE-178413B7.pf

Opens: C:\Windows\SysWOW64\mpr.dll Opens: C:\Windows\SysWOW64\secur32.dll Opens: C:\Windows\SysWOW64\framedynos.dll C:\Windows\SysWOW64\wtsapi32.dll Opens: Opens: C:\Windows\SysWOW64\netapi32.dll Opens: C:\Windows\SysWOW64\netutils.dll C:\Windows\SysWOW64\srvcli.dll Opens: Opens: C:\Windows\SysWOW64\wkscli.dll Opens: C:\Windows\SysWOW64\dbghelp.dll

Opens: C:\Windows\SysWOW64\en-US\tasklist.exe.mui
Opens: C:\Windows\SysWOW64\en-US\KernelBase.dll.mui

C:\Windows\SysWOW64\wbem\wbemprox.dll Opens: Opens: C:\Windows\SysWOW64\wbem\wbemcomn.dll Opens: C:\Windows\SysWOW64\wbemcomn.dll Opens: C:\Windows\SysWOW64\wbem\Logs Opens: C:\Windows\SysWOW64\winsta.dll Opens: C:\Windows\SysWOW64\cryptsp.dll Opens: C:\Windows\SysWOW64\rsaenh.dll Opens: C:\Windows\SysWOW64\RpcRtRemote.dll Opens: C:\Windows\SysWOW64\wbem\wbemsvc.dll Opens: C:\Windows\SysWOW64\wbem\fastprox.dll C:\Windows\SysWOW64\wbem\NTDSAPI.dll Opens: Opens: C:\Windows\SysWOW64\ntdsapi.dll Opens: C:\Windows\SysWOW64\wbem\wmiutils.dll

Opens: C:\Windows\SysWOW64\wbem\en-US\wmiutils.dll.mui

Opens: C:\Windows\SysWOW64\1bb90eca6f10f100c1d941d1fe06e7a9.exe

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

Reads from: C:\Windows\Temp\1hb90eca6f10f1000

Reads from: C:\Windows\Temp\1bb90eca6f10f100c1d941d1fe06e7a9.exe
Reads from: C:\Windows\System32\drivers\etc\hosts
Reads from: C:\Users\Admin\Desktop\desktop.ini

Reads from: C:\Windows\SysWOW64\cmd.exe
Reads from: C:\Windows\SysWOW64\tasklist.exe

#### Network Events

DNS query: domai.2noip.com

DNS response:  $domai.2noip.com \Rightarrow 141.8.224.93$ 

 Connects to:
 141.8.224.93:443

 Sends data to:
 8.8.8.8:53

 Receives data from:
 8.8.8.8:53

## Windows Registry Events

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

Creates key: HKLM\software\wow6432node\microsoft\tracing

Creates key:

Creates kev:

HKLM\software\wow6432node\microsoft\tracing\1bb90eca6f10f100c1d941d1fe06e7a9 rasmancs

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

settings\connections

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

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

awareness

Creates key: HKCU\software\microsoft\visual basic\6.0

Creates key: HKCU\software

Creates key: HKCU\software\microsoft

Creates key: HKCU\software\microsoft\visual basic

Creates key: HKLM\software\wow6432node\microsoft\wbem\cimom

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

settings[proxyserver]

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

settings[proxyoverride]

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

settings[autoconfigurl]

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

settings\zonemap[proxybypass]

Deletes value: HKLM\software\wow6432node\microsoft\windows\currentversion\internet

settings\zonemap[proxybypass]

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

settings\zonemap[intranetname]

Deletes value: HKLM\software\wow6432node\microsoft\windows\currentversion\internet

settings\zonemap[intranetname]

 $Opens\ key: \\ HKLM\software\microsoft\windows\ nt\currentversion\sim ge \ file\ execution$ 

options

Opens key: HKLM\system\currentcontrolset\control\session manager

Opens key: HKLM\software\microsoft\wow64

Opens key: HKLM\software\wow6432node\microsoft\windows nt\currentversion\image file

execution options

Opens key:

 $HKLM \setminus software \setminus wow 6432 node \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers$ 

Opens key: HKLM\software\policies\microsoft\windows\safer\codeidentifiers Opens key: HKCU\software\policies\microsoft\windows\safer\codeidentifiers

Opens key: HKLM\system\currentcontrolset\control\nls\customlocale
Opens key: HKLM\system\currentcontrolset\control\nls\language
Opens key: HKLM\system\currentcontrolset\control\mui\uilanguages
Opens key: HKLM\system\currentcontrolset\control\mui\uilanguages\en-us
Opens key: HKLM\system\currentcontrolset\control\mui\uilanguages\pendingdelete

Opens key: HKLM\software\wow6432node\policies\microsoft\mui\settings

Opens key: HKLM\software\policies\microsoft\mui\settings

Opens key: HKCU\

 $\label{thm:local_panel} Opens~key: & HKCU\control~panel\desktop\muicached\machinelanguageconfiguration \\ Opens~key: & HKLM\system\currentcontrol\set\control\mui\settings\languageconfiguration \\ \\$ 

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

Opens key: HKCU\control panel\desktop

Opens key: HKCU\control panel\desktop\muicached

Opens key: HKLM\software\wow6432node\microsoft\windows\currentversion\sidebyside

Opens key: HKLM\system\currentcontrolset\control\nls\sorting\versions

Opens key: HKLM\

Opens key: HKLM\software\wow6432node\microsoft\windows

nt\currentversion\diagnostics

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

options\dllnxoptions

Opens key: HKLM\software\wow6432node\microsoft\windows

nt\currentversion\gre\_initialize

Opens key: HKLM\software\wow6432node\microsoft\windows

nt\currentversion\compatibility32

 $Opens\;key: \\ \qquad \qquad \text{HKLM} \\ software \\ \\ \text{wow} \\ 6432 \\ \text{node} \\ \\ \text{microsoft} \\ \\ \text{windows} \;\; nt \\ \\ \text{current} \\ \text{version} \\ \\ \text{ime} \\ \\ \text{opens}\;\; key: \\ \\$ 

compatibility

Opens key: HKLM\software\wow6432node\microsoft\windows nt\currentversion\windows

Opens key: HKLM\software\wow6432node\microsoft\ole

Opens key: HKLM\software\wow6432node\microsoft\ole\tracing
Opens key: HKLM\software\microsoft\ole\tracing

Opens key: HKLM\software\wow6432node\microsoft\oleaut

Opens key: HKLM\system\currentcontrolset\control\nls\extendedlocale

Opens key: HKLM\system\currentcontrolset\control\nls\locale

Opens key: HKLM\system\currentcontrolset\control\nls\locale\alternate sorts

Opens key: HKLM\system\currentcontrolset\control\nls\language groups

Opens key: HKLM\software\wow6432node\microsoft\windows\windows error reporting\wmr

Opens key: HKLM\system\currentcontrol\set\control\nls\codepage
Opens key: HKLM\software\wow6432node\microsoft\vba\monitors
Opens key: HKLM\system\currentcontrol\set\control\cmf\config

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

Opens key: HKLM\software\microsoft\windows

nt\currentversion\languagepack\datastore\_v1.0

Opens key: HKLM\software\microsoft\windows

nt\currentversion\languagepack\surrogatefallback HKLM\software\microsoft\windows Opens kev: nt\currentversion\languagepack\surrogatefallback\segoe ui HKLM\system\currentcontrolset\services\disk\enum Opens key: Opens key: HKLM\software\wow6432node\microsoft\rpc Opens key: Opens key: HKLM\svstem\setup HKLM\software\wow6432node\policies\microsoft\windows nt\rpc Opens key: Opens key: HKLM\software\policies\microsoft\windows nt\rpc HKLM\software\policies\microsoft\sqmclient\windows Opens key: HKLM\software\microsoft\sqmclient\windows Opens key: Opens key: HKLM\system\currentcontrolset\services\crypt32 Opens key:  $HKLM \setminus software \setminus wow 6432 node \setminus microsoft \setminus windows \setminus current version \setminus internet$ settings Opens key: HKLM\software\wow6432node\policies\microsoft\windows\currentversion\internet settings HKLM\software\policies\microsoft\windows\currentversion\internet Opens kev: settings Opens key:  $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ side by side \ as sembly storage roots$ Opens key: HKCU\software\policies\microsoft\windows\currentversion\internet settings  $\label{lem:hkcu} \verb+KKCU\software\microsoft\windows\currentversion\cuternet settings$ Opens kev: Opens key: HKLM\software\wow6432node\policies Opens key: HKCU\software\policies Opens key: HKCU\software Opens key: HKLM\software\wow6432node Opens key: HKLM\software\wow6432node\policies\microsoft\internet explorer Opens key: HKLM\software\policies\microsoft\internet explorer Opens key: HKLM\software\wow6432node\policies\microsoft\internet explorer\main Opens key: HKLM\software\policies\microsoft\internet explorer\main HKLM\software\wow6432node\policies\microsoft\internet Opens key: explorer\main\featurecontrol Opens key: HKLM\software\policies\microsoft\internet explorer\main\featurecontrol  $\label{lem:hkcu} \mbox{HKCU\software\policies\mbox{$\mbox{microsoft\internet explorer\mbox{$\mbox{$\mbox{main\footnotema$ Opens key: Opens key: HKCU\software\microsoft\internet explorer\main\featurecontrol Opens key: HKLM\software\wow6432node\microsoft\internet explorer\main\featurecontrol Opens key: settings\5.0\cache Opens key: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache HKCU\software\microsoft\windows\currentversion\internet Opens kev: settings\5.0\cache\content HKLM\software\wow6432node\microsoft\windows\currentversion\internet Opens key: settings\5.0\cache\content Opens key:  $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ \ explorer \ \ folder descriptions$ Opens kev: 33be-4251-ba85-6007caedcf9d} Opens key: 33be-4251-ba85-6007caedcf9d}\propertybag Opens kev: HKCU\software\microsoft\windows\currentversion\explorer Opens key: HKCU\software\microsoft\windows\currentversion\explorer\sessioninfo\1 Opens kev:  $HKCU \setminus software \\ \mbox{microsoft} \\ \mbox{windows} \\ \mbox{current} \\ \mbox{version} \\ \mbox{explorer} \\ \mbox{session} \\ \mbox{info} \\ \mbox{1} \\ \mbox{knownfolders} \\ \mbox{ders} \\ \mbox{ders}$ HKCU\software\microsoft\windows\currentversion\explorer\user shell Opens key: folders Opens key: HKLM\software\wow6432node\policies\microsoft\windows\explorer Opens key: HKLM\software\policies\microsoft\windows\explorer Opens key: HKCU\software\policies\microsoft\windows\explorer Opens key: 6fba-4fcf-9d55-7b8e7f157091} Opens key:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f1b32785-b$ 6fba-4fcf-9d55-7b8e7f157091}\propertybag

Opens kev:

0e22-4760-9afe-ea3317b67173}

Opens kev:

0e22-4760-9afe-ea3317b67173}\propertybag

Opens kev: HKLM\software\wow6432node\microsoft\windows nt\currentversion\profilelist\s-1-5-21-980053277-1733835069-2361817685-1001

HKLM\software\microsoft\windows nt\currentversion\profilelist\s-1-5-21-Opens key:

980053277-1733835069-2361817685-1001

Opens key:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ known foldersettings$ Opens key: HKCU\software\microsoft\windows\currentversion\internet

settings\5.0\cache\cookies

```
Opens key:
                                             settings\5.0\cache\cookies
   Opens key:
c0e9-4171-908e-08a611b84ff6}
   Opens key:
c0e9-4171-908e-08a611b84ff6}\propertybag
   Opens kev:
65f9-4cf6-a03a-e3ef65729f3d}
   Opens key:
65f9-4cf6-a03a-e3ef65729f3d}\propertybag
                                             HKCU\software\microsoft\windows\currentversion\internet
   Opens key:
settings\5.0\cache\history
                                            HKLM\software\wow6432node\microsoft\windows\currentversion\internet
  Opens kev:
settings\5.0\cache\history
  Opens key:
HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{d9dc8a3b-descriptions\} \ description \ descrip
b784-432e-a781-5a1130a75963}
   Opens key:
HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{d9dc8a3b-descriptions\} \ description \ descrip
b784-432e-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
                                            \label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet
   Opens kev:
settings\5.0\cache\extensible cache\feedplat
                                            HKCU\software\microsoft\windows\currentversion\internet
  Opens kev:
settings\5.0\cache\extensible cache\iecompat
                                             HKCU\software\microsoft\windows\currentversion\internet
   Opens key:
settings\5.0\cache\extensible cache\ietld
                                            \label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet
   Opens key:
settings\5.0\cache\extensible cache\privacie:
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   Opens key:
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   Opens key:
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explorer\main\featurecontrol\feature_bufferbreaking_818408
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   Opens kev:
explorer\main\featurecontrol\feature_skip_post_retry_on_internetwritefile_kb895954
   Opens key:
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explorer\main\featurecontrol\feature_skip_post_retry_on_internetwritefile_kb895954
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explorer\main\featurecontrol\feature_exclude_invalid_client_cert_kb929477
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explorer\main\featurecontrol\feature_return_failed_connect_content_kb942615
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explorer\main\featurecontrol\feature_http_username_password_disable
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                                                                                                                                                       HKCU \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus \{b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4fb3f98-b4f
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Opens key: HKCU\software\classes\systemfileassociations\.exe

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Opens key: HKCR\systemfileassociations\.exe\shellex\iconhandler

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Opens key:

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Opens key: HKCR\exefile\shell

Opens key: HKCU\software\classes\exefile\shell\open

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Opens key: HKCR\exefile\shell\open\command

Opens key: HKCU\software\classes\exefile\shell\open\droptarget

Opens key: HKCR\exefile\shell\open\droptarget

Opens key:

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Opens key: HKLM\software\microsoft\windows\currentversion\policies\associations Opens key:  $HKCU \ software \ \verb|microsoft| windows \ \verb|currentversion| policies \ \verb|associations| \\$ 

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provider

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Opens key:  $HKCR\wow6432node\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea}\progid$ HKCU\software\classes\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea} Opens key: Opens key: HKCR\clsid\{d68af00a-29cb-43fa-8504-ce99a996d9ea} Opens key: HKCU\software\classes\clsid\{d68af00a-29cb-43fa-8504ce99a996d9ea}\progid Opens key:  $HKCR\clsid\\\{d68af00a-29cb-43fa-8504-ce99a996d9ea\\\}\progid$ Opens key: HKCU\software\classes\wow6432node\clsid\{d68af00a-29cb-43fa-8504ce99a996d9ea}\inprocserver32 Opens key: HKCR\wow6432node\clsid\{d68af00a-29cb-43fa-8504ce99a996d9ea}\inprocserver32 HKCU\software\classes\wow6432node\clsid\{d68af00a-29cb-43fa-8504-Opens kev: ce99a996d9ea}\inprochandler32 HKCR\wow6432node\clsid\{d68af00a-29cb-43fa-8504-Opens key: ce99a996d9ea}\inprochandler32 Opens key: HKCU\software\classes\wow6432node\clsid\{d68af00a-29cb-43fa-8504ce99a996d9ea}\inprochandler HKCR\wow6432node\clsid\{d68af00a-29cb-43fa-8504-Opens kev: ce99a996d9ea}\inprochandler Opens key: HKCU\software\classes\wow6432node\interface\{027947e1-d731-11ce-a357-000000000013 Opens key: HKCR\wow6432node\interface\{027947e1-d731-11ce-a357-00000000001} Opens key: HKCU\software\classes\wow6432node\interface\{027947e1-d731-11ce-a357-00000000001}\proxystubclsid32 HKCR\wow6432node\interface\{027947e1-d731-11ce-a357-Opens key: 00000000001}\proxystubclsid32 Opens key: HKCU\software\classes\wow6432node\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd} HKCR\wow6432node\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd} Opens key: Opens key: HKCU\software\classes\wow6432node\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\treatas Opens key:  $HKCR\wow6432node\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\treat as$ Opens key: HKCU\software\classes\wow6432node\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\progid Opens key:  $HKCR\wow6432node\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\progid$ Opens key: HKCU\software\classes\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd} Opens key: HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd} Opens key: HKCU\software\classes\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\progid  $HKCR\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\progid$ Opens key: HKCU\software\classes\wow6432node\clsid\{1b1cad8c-2dab-11d2-b604-Opens key: 00104b703efd}\inprocserver32 Opens key: 00104b703efd}\inprocserver32 Opens key: HKCU\software\classes\wow6432node\clsid\{1b1cad8c-2dab-11d2-b604-00104b703efd}\inprochandler32 HKCR\wow6432node\clsid\{1b1cad8c-2dab-11d2-b604-Opens key 00104b703efd}\inprochandler32 Opens key: 00104b703efd}\inprochandler Opens key: HKCR\wow6432node\clsid\{1b1cad8c-2dab-11d2-b604-

00104b703efd}\inprochandler

HKCU\software\classes\wow6432node\interface\{1c1c45ee-4395-11d2-b60b-Opens key:

00104b703efd}

Opens key:  $HKCR \setminus wow 6432 \\ node \setminus interface \setminus \{1c1c45ee-4395-11d2-b60b-00104b703efd\}$ HKCU\software\classes\wow6432node\interface\{1c1c45ee-4395-11d2-b60b-Opens key:

00104b703efd}\proxystubclsid32

Opens key:  $HKCR\wow6432node\interface\{1c1c45ee-4395-11d2-b60b-432node\interface\}$ 

00104b703efd}\proxystubclsid32

Opens key: HKCU\software\classes\wow6432node\interface\{423ec01e-2e35-11d2-b604-

00104b703efd}

HKCR\wow6432node\interface\{423ec01e-2e35-11d2-b604-00104b703efd} Opens key: Opens key: 

00104b703efd}\proxystubclsid32

HKCR\wow6432node\interface\{423ec01e-2e35-11d2-b604-Opens kev:

00104b703efd}\proxystubclsid32

HKCU\software\classes\wow6432node\clsid\{eb87e1bd-3233-11d2-aec9-Opens kev:

00c04fb68820}

Opens key: HKCR\wow6432node\clsid\{eb87e1bd-3233-11d2-aec9-00c04fb68820} Opens key: 

00c04fb68820}\treatas

Opens key:  $HKCR \ wow 6432 node \ clsid \ \{eb87e1bd-3233-11d2-aec9-00c04fb68820\} \ treat as$ HKCU\software\classes\wow6432node\clsid\{eb87e1bd-3233-11d2-aec9-Opens key: 00c04fb68820}\progid

Opens key:  $HKCR\wow6432node\clsid\{eb87e1bd-3233-11d2-aec9-00c04fb68820}\progid$ Opens key:  $HKCU \setminus software \setminus classes \setminus clsid \setminus \{eb87e1bd-3233-11d2-aec9-00c04fb68820\}$ 

Opens key: HKCR\clsid\{eb87e1bd-3233-11d2-aec9-00c04fb68820} Opens key: HKCU\software\classes\clsid\{eb87e1bd-3233-11d2-aec9-

00c04fb68820}\progid

HKCR\clsid\{eb87e1bd-3233-11d2-aec9-00c04fb68820}\progid Opens kev: Opens key: HKCU\software\classes\wow6432node\clsid\{eb87e1bd-3233-11d2-aec9-00c04fb68820}\inprocserv er32

HKCR\wow6432node\clsid\{eb87e1bd-3233-11d2-aec9-Opens kev:

00c04fb68820}\inprocserver32

```
Opens key:
                                    HKCU\software\classes\wow6432node\clsid\{eb87e1bd-3233-11d2-aec9-
00c04fb68820}\inprochandler32
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  Opens key:
00c04fb68820}\inprochandler32
                                    HKCU\software\classes\wow6432node\clsid\{eb87e1bd-3233-11d2-aec9-
  Opens kev:
00c04fb68820}\inprochandler
                                    Opens key:
00c04fb68820}\inprochandler
  Queries value:
                                    HKLM\software\microsoft\windows nt\currentversion\image file execution
options[disableusermodecallbackfilter]
  Oueries value:
                                    HKLM\system\currentcontrolset\control\session
manager[cwdillegalindllsearch]
  Queries value:
                                    HKLM\system\currentcontrolset\control\terminal server[tsappcompat]
  Oueries value:
                                    HKLM\system\currentcontrolset\control\terminal server[tsuserenabled]
  Queries value:
HKLM\software\policies\microsoft\windows\safer\codeidentifiers[transparentenabled]
                                    HKLM\system\currentcontrolset\control\nls\customlocale[empty]
  Oueries value:
  Queries value:
HKLM\system\currentcontrolset\control\nls\language[installlanguagefallback]
                                    HKLM\system\currentcontrolset\control\mui\uilanguages\en-us[type]
  Queries value:
                                    HKLM\system\currentcontrolset\control\mui\uilanguages\en-
  Queries value:
us[alternatecodepage]
                                    HKCU\control panel\desktop[preferreduilanguages]
  Oueries value:
  Queries value:
                                    HKCU\control panel\desktop\muicached[machinepreferreduilanguages]
  Queries value:
HKLM\system\currentcontrolset\control\nls\sorting\versions[]
  Queries value:
                                    HKLM\system\currentcontrolset\control\session manager[safedllsearchmode]
  Queries value:
                                    \label{lem:hklmsoftware} \begin{tabular}{ll} HKLM \end{tabular} software \end{tabular} in the current version \end{tabul
  Oueries value:
options\dllnxoptions[usefilter]
                                    HKLM\software\microsoft\windows nt\currentversion\image file execution
  Oueries value:
options\dllnxoptions[msvbvm60.dll]
                                    HKLM\software\microsoft\windows
  Queries value:
nt\currentversion\gre_initialize[disablemetafiles]
  Oueries value:
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nt\currentversion\compatibility32[1bb90eca6f10f100c1d941d1fe06e7a9]
                                    HKLM\software\wow6432node\microsoft\windows
  Oueries value:
nt\currentversion\windows[loadappinit dlls]
                                    HKLM\software\microsoft\ole[pageallocatorusesystemheap]
  Queries value:
  Queries value:
                                    HKLM\software\microsoft\ole[pageallocatorsystemheapisprivate]
  Oueries value:
                                    HKLM \verb|\system| current controlset| control \verb|\nls| custom locale[en-us]|
                                    HKLM\system\currentcontrolset\control\nls\extendedlocale[en-us]
  Queries value:
  Oueries value:
                                    HKLM\svstem\currentcontrolset\control\nls\locale[00000409]
  Oueries value:
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  Oueries value:
                                    HKLM\software\wow6432node\microsoft\windows\windows error
reporting\wmr[disable]
  Queries value:
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  Oueries value:
  Queries value:
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                                    HKLM\system\currentcontrolset\control\nls\codepage[950]
  Oueries value:
  Oueries value:
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  Queries value:
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  Queries value:
                                    HKLM\software\microsoft\windows
nt\currentversion\languagepack\datastore_v1.0[disable]
  Queries value:
                                    HKLM\software\microsoft\windows
nt\currentversion\languagepack\datastore_v1.0[datafilepath]
                                    HKLM\software\microsoft\windows
  Oueries value:
nt\currentversion\languagepack\surrogatefallback[plane1]
                                    HKLM\software\microsoft\windows
  Queries value:
\verb|nt\currentversion\languagepack\surrogatefallback[plane2]|
  Queries value:
                                    HKLM\software\microsoft\windows
nt\currentversion\languagepack\surrogatefallback[plane3]
                                    HKLM\software\microsoft\windows
  Oueries value:
nt\currentversion\languagepack\surrogatefallback[plane4]
  Oueries value:
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\verb|nt\currentversion\languagepack\surrogatefallback[plane5]|
  Queries value:
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nt\currentversion\languagepack\surrogatefallback[plane6]
  Oueries value:
                                    HKLM\software\microsoft\windows
nt\currentversion\languagepack\surrogatefallback[plane7]
  Oueries value:
                                    HKLM\software\microsoft\windows
\verb|nt\currentversion\languagepack\surrogatefallback[plane8]|
  Queries value:
                                    HKLM\software\microsoft\windows
nt\currentversion\languagepack\surrogatefallback[plane9]
                                    HKLM\software\microsoft\windows
  Oueries value:
nt\currentversion\languagepack\surrogatefallback[plane10]
  Oueries value:
                                    HKLM\software\microsoft\windows
\verb|nt\currentversion\language| pack\surrogatefallback[plane11]|
  Queries value:
                                    HKLM\software\microsoft\windows
```

nt\currentversion\languagepack\surrogatefallback[plane12]

nt\currentversion\languagepack\surrogatefallback[plane13]

Oueries value:

HKLM\software\microsoft\windows

```
Oueries value:
                         HKLM\software\microsoft\windows
\verb|nt\currentversion\language| pack\surrogatefallback[plane14]|
 Oueries value:
                         HKLM\software\microsoft\windows
nt\currentversion\languagepack\surrogatefallback[plane15]
                         HKLM\software\microsoft\windows
 Oueries value:
nt\currentversion\languagepack\surrogatefallback[plane16]
 Queries value:
                         HKLM\system\currentcontrolset\services\disk\enum[0]
 Oueries value:
                         HKLM\software\microsoft\rpc[maxrpcsize]
 Oueries value:
HKLM\system\currentcontrolset\control\computername\activecomputername[computername]
                         HKLM\svstem\setup[oobeinprogress]
 Oueries value:
 Queries value:
                         HKLM\system\setup[systemsetupinprogress]
 Queries value:
                         HKLM\software\microsoft\sqmclient\windows[ceipenable]
 Oueries value:
                         HKLM\system\currentcontrolset\services\crypt32[debugheapflags]
 Queries value:
                         HKLM\software\wow6432node\microsoft\windows\currentversion\internet
settings[disableimprovedzonecheck]
                         \label{lem:hklm} \verb+Kklm\+ software\+ policies\+ microsoft\+ windows\+ current version\+ internet
 Oueries value:
settings[security_hklm_only]
                         HKLM\system\currentcontrolset\control\wmi\security[Ocfe0455-93ba-440d-
 Queries value:
a3fe-553973d0b7231
 Queries value:
                         HKLM\system\currentcontrolset\control\wmi\security[797fabac-7b58-4796-
b924-d51178a59ce4]
                         HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[fromcachetimeout]
                         HKLM\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[secureprotocols]
                         HKCU\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[secureprotocols]
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 Oueries value:
settings[secureprotocols]
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 Oueries value:
settings[certificaterevocation]
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 Queries value:
settings[disablekeepalive]
                         HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[disablepassport]
                         HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[idnenabled]
                         HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[cachemode]
 Queries value:
                         HKLM \verb|\software\policies\microsoft\windows\currentversion\ | internet
settings[enablehttp1_1]
                         HKCU\software\policies\microsoft\windows\currentversion\internet
 Oueries value:
settings[enablehttp1_1]
                         HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[enablehttp1_1]
 Queries value:
                         HKLM\software\policies\microsoft\windows\currentversion\internet
settings[proxyhttp1.1]
                         HKCU\software\policies\microsoft\windows\currentversion\internet
 Oueries value:
settings[proxyhttp1.1]
                         HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[proxyhttp1.1]
 Queries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings[enablenegotiate]
                         HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[disablebasicoverclearchannel]
 Queries value:
                         HKCU\software\microsoft\internet
explorer\main\featurecontrol[feature clientauthcertfilter]
 Queries value:
                         HKLM\software\wow6432node\microsoft\internet
explorer\main\featurecontrol[feature_clientauthcertfilter]
 Queries value:
                        HKCU\software\microsoft\windows\currentversion\internet
settings[clientauthbuiltinui]
                         HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[svncmode5]
 Queries value:
                         HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ internet
settings\5.0\cache[sessionstarttimedefaultdeltasecs]
                        HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\5.0\cache[signature]
 Queries value:
                         \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \cite{thm:lem:hkcu} in terms to the lemma substitution \cite{thm:lem:hkcu} and \cite{thm:lem:hkcu} are \cite{thm:lem:hkcu}.
settings\5.0\cache\content[peruseritem]
 Queries value:
                         settings\5.0\cache\content[peruseritem]
 Oueries value:
33be-4251-ba85-6007caedcf9d}[category]
 Oueries value:
33be-4251-ba85-6007caedcf9d}[name]
 Oueries value:
33be-4251-ba85-6007caedcf9d}[parentfolder]
 Oueries value:
```

33be-4251-ba85-6007caedcf9d}[description]

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{352481e8-33be-4251-ba85-6007 caed \ frelative path]$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{352481e8-33be-4251-ba85-6007 caed \ folder \ f$ 

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{352481e8-33be-4251-ba85-6007 caed \ folder \ f$ 

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{352481e8-33be-4251-ba85-6007 caed \ folder \ f$ 

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{352481e8-33be-4251-ba85-6007 caed \ fgd\} [icon]$ 

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm \color= \co$ 

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\cal{lem:hklmsoftware} a 35e-4251-ba85-6007\caedcf9d\cal{lem:hklmsoftware} [streamresource]$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{352481e8-33be-4251-ba85-6007 caed \ fgd \ [stream resource type]$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{352481e8-33be-4251-ba85-6007 caed \ folder \ f$ 

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{352481e8-33be-4251-ba85-6007 caed \ folder \ f$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{352481e8-33be-4251-ba85-6007 caed \ fgd \ [precreate]$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{352481e8-33be-4251-ba85-6007 caed \ fgd \ [stream]$ 

Queries value:

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ 352481e8-33be-4251-ba85-6007 caed \ folder \ fo$ 

Queries value:

 $\label{lem:hklmsoftwarewow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\calebox{352481e8-33be-4251-ba85-6007} [foldertypeid]$ 

Queries value:

 $\label{thm:local-base-equal} HKLM \software \wow 6432 node \mbox{352481e8-33be-4251-ba85-6007} caed cf9d \mbox{initfolder handler} \\$ 

Queries value:

 $\label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\explorer\user\ shell}$ 

folders[cache]

Oueries value:

 $\label{local-operator} HKLM \software \wow 6432 node \microsoft \windows \current version \explorer \folder descriptions \fitb 32785-65ba-4fcf-9d55-7b8e7f157091 \cite{Category} \end{substitute}$ 

Queries value:

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f1b32785-6fba-4fcf-9d55-7b8e7f157091\} \ [parent folder]$ 

Queries value:

Oueries value:

 $\label{thm:local-bound} HKLM \software \wow 6432 node \microsoft \windows \current version \explorer \folder descriptions \fill 1532785-65ba-4fcf-9d55-7b8e7f157091 \cite{Continuous} \ [Felative path]$ 

Queries value:

 $\label{thm:local-ham} $$HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{f1b32785-6fba-4fcf-9d55-7b8e7f157091\}[parsingname]}$ 

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm \color= \co$ 

Queries value:

 $\label{thm:localized} $HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\ff1b32785-6fba-4fcf-9d55-7b8e7f157091\} [localized name]$ 

Queries value:

 $\label{lem:hkkm} HKLM\software\wow6432 node\microsoft\windows\currentversion\explorer\folderdescriptions\fifth{1}{5}2785-66ba-4fcf-9d55-7b8e7f157091\fifth{1}{5}[icon]$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f1b32785-6fba-4fcf-9d55-7b8e7f157091\} [security]$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \ \{f1b32785-b2785$ 

6fba-4fcf-9d55-7b8e7f157091}[streamresource]

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f1b32785-6fba-4fcf-9d55-7b8e7f157091\} [stream resource type]$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f1b32785-6fba-4fcf-9d55-7b8e7f157091\} \ [local redirectonly]$ 

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f1b32785-6fba-4fcf-9d55-7b8e7f157091\} \ [roamable]$ 

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f1b32785-6fba-4fcf-9d55-7b8e7f157091\} [precreate]$ 

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f1b32785-6fba-4fcf-9d55-7b8e7f157091\}[stream]$ 

Queries value:

 $\label{thm:local-ham} $$HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{f1b32785-6fba-4fcf-9d55-7b8e7f157091\}[publishexpandedpath]}$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f1b32785-6fba-4fcf-9d55-7b8e7f157091\}[attributes]$ 

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{f1b32785-6fba-4fcf-9d55-7b8e7f157091\} \ [folder type id]$ 

Queries value:

Queries value:

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

folders[local appdata]

Oueries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm \color= \co$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{5e6c858f-0e22-4760-9afe-ea3317b67173\} \ [name]$ 

Oueries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm\soft\windows\currentversion\explorer\folder descriptions \currentversion\explorer\folder \currentversion\explorer\folder \currentversion\explorer\folder\folder\currentversion\explorer\folder$ 

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm \end{softwarewow6432node} irrentversion \explorer \folder descriptions \end{softwarewow6432node} lem: \folder \end{softwarewow6432node} lem: \folder \folder \end{softwarewow6432node} lem: \folder \folder \end{softwarewow6432node} lem: \folder \folder$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{5e6c858f-0e22-4760-9afe-ea3317b67173\} \ [relative path]$ 

Queries value:

 $\label{thm:local-continuous} HKLM software \noinder the continuous \noinder$ 

Queries value:

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm\soft\windows\currentversion\explorer\folderdescriptions\{5e6c858f-0e22-4760-9afe-ea3317b67173\}[localized name]}$ 

Queries value:

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm\soft\windows\currentversion\explorer\folderdescriptions \currentversion\explorer\folderdescriptions \currentversion\explorer\folderdescription$ 

Queries value:

 $\label{lem:hklm} HKLM\software\wow6432 node\microsoft\windows\currentversion\explorer\folder descriptions\folder 173\folder 173\fo$ 

Queries value:

 $\label{thm:local-bound} HKLM\software\wow6432 node\microsoft\windows\currentversion\explorer\folder descriptions\folder desc$ 

Queries value:

 $\label{thm:local-cond} $HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{5e6c858f-0e22-4760-9afe-ea3317b67173\}[localredirectonly]}$ 

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\fo$ 

Queries value:

 $\label{lem:hklm} HKLM\software\wow6432 node\microsoft\windows\currentversion\explorer\folder descriptions\folder 173\folder 173\fo$ 

Oueries value:

 $\label{local-bound} HKLM \software \wow 6432 node \microsoft \windows \current version \explorer \folder descriptions \folder \folde$ 

Queries value:

 $\label{local-equal-equal-equal-equal-equal-equal} HKLM \software \wow 6432 node \microsoft \windows \current version \explorer \folder descriptions \folder \folder$ 

Queries value:

0e22-4760-9afe-ea3317b67173}[attributes]

Oueries value:

0e22-4760-9afe-ea3317b67173}[foldertypeid]

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{5e6c858f-microsoft \ windows \ explorer \ folder \ descriptions \ explorer \ folder \ fold$ 0e22-4760-9afe-ea3317b67173}[initfolderhandler]

Oueries value:

980053277-1733835069-2361817685-1001[profileimagepath]

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

settings\5.0\cache\content[cacheprefix]

 $\label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \cite{thm:lem:hkcu} in terms to the lemma substitution \cite{thm:lem:hkcu} and \cite{thm:lem:hkcu} are \cite{thm:lem:hkcu}.$ Queries value:

settings\5.0\cache\content[cachelimit]

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

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HKLM\software\wow6432node\microsoft\windows\currentversion\internet Queries value:

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Queries value:

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c0e9-4171-908e-08a611b84ff6}[relativepath]

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Oueries value:

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Oueries value:

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 $HKLM \setminus software \setminus wow 6432 \\ node \setminus microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{2b0f765d-1644\} \\ folder \\ descriptions \setminus \{2b0f76d-1644\} \\ folder \\$ c0e9-4171-908e-08a611b84ff6}[precreate]

Queries value:

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Queries value:

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{2b0f765dc0e9-4171-908e-08a611b84ff6}[attributes]

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \ \{2b0f765d-16444, 2b0f765d-16444, 2b0f766d-16444, 2b0f76d-16444, 2b0f76d-164444, 2b0f76d-16444, 2b0f76d-164444, 2b0f76d-1644$ c0e9-4171-908e-08a611b84ff6}[foldertypeid]

Queries value:

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

folders[cookies]

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Queries value:

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Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \ \{3eb685db-microsoft \ wow \ baselines \$ 65f9-4cf6-a03a-e3ef65729f3d}[parentfolder]

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:

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65f9-4cf6-a03a-e3ef65729f3d}[icon]

65f9-4cf6-a03a-e3ef65729f3d}[security]

65f9-4cf6-a03a-e3ef65729f3d}[streamresource]

65f9-4cf6-a03a-e3ef65729f3d}[streamresourcetype]

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HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d}[roamable]

65f9-4cf6-a03a-e3ef65729f3d}[precreate]

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d}[stream]

 $HKLM \setminus software \setminus wow 6432 \\ node \setminus microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{3eb685 \\ db-microsoft \setminus windows \setminus current \\ version \setminus \{3eb685 \\ db-microsoft \setminus windows \setminus current \\ version \setminus \{3eb685 \\ db-microsoft \setminus windows \setminus current \\ version \setminus \{3eb685 \\ db-microsoft \setminus \{3eb685 \\ db-mic$ 65f9-4cf6-a03a-e3ef65729f3d}[publishexpandedpath]

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ (3eb685db-10eb) \ description \ (3eb685db-10eb) \$ 65f9-4cf6-a03a-e3ef65729f3d}[attributes] Oueries value:

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HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d}[initfolderhandler]

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

folders[appdata]

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

settings\5.0\cache\cookies[cacheprefix]

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

settings\5.0\cache\history[peruseritem]

Queries value: 

settings\5.0\cache\history[peruseritem]

Queries value:

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Oueries value:

b784-432e-a781-5a1130a75963}[name]

Oueries value:

b784-432e-a781-5a1130a75963}[parentfolder]

Oueries value:

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Oueries value:

b784-432e-a781-5a1130a75963}[parsingname] Oueries value: b784-432e-a781-5a1130a75963}[infotip] Oueries value: b784-432e-a781-5a1130a75963}[localizedname] Oueries value: b784-432e-a781-5a1130a75963}[icon] Oueries value: b784-432e-a781-5a1130a75963}[security] Oueries value: b784-432e-a781-5a1130a75963}[streamresource] Oueries value: b784-432e-a781-5a1130a75963}[streamresourcetype] Queries value: b784-432e-a781-5a1130a75963}[localredirectonly] Oueries value: b784-432e-a781-5a1130a75963}[roamable] Queries value: b784-432e-a781-5a1130a75963}[precreate] Oueries value: b784-432e-a781-5a1130a75963}[stream] Queries value: b784-432e-a781-5a1130a75963}[publishexpandedpath] Oueries value: b784-432e-a781-5a1130a75963}[attributes] Queries value:  $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \ \{d9dc8a3b-der \ der \$ b784-432e-a781-5a1130a75963}[foldertypeid] Queries value: b784-432e-a781-5a1130a75963}[initfolderhandler] Queries value: HKCU\software\microsoft\windows\currentversion\explorer\user shell folders[history] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings\5.0\cache\history[cacheprefix] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\history[cachelimit] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\domstore[cacherepair] Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\domstore[cachepath] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\domstore[cacheprefix] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\domstore[cachelimit] Oueries 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] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\feedplat[cachepath] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\5.0\cache\extensible cache\feedplat[cacheprefix] Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\feedplat[cachelimit] Queries value:  $\label{lem:hkcu} \verb+KCU \software \verb+microsoft \verb+windows \verb+current version \verb+\internet+ \\$ settings\5.0\cache\extensible cache\feedplat[cacheoptions] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\5.0\cache\extensible cache\iecompat[cacherepair] Oueries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\iecompat[cachepath] Queries value: HKCU\software\microsoft\windows\currentversion\internet settings\5.0\cache\extensible cache\iecompat[cacheprefix]

HKCU\software\microsoft\windows\currentversion\internet

HKCU\software\microsoft\windows\currentversion\internet

HKCU\software\microsoft\windows\currentversion\internet

HKCU\software\microsoft\windows\currentversion\internet

Oueries value:

Oueries value:

Queries value:

Oueries value:

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

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 Queries value:
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 Queries value:
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settings[disablereadrange]
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 Queries value:
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 Queries value:
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                            HKCU\software\microsoft\windows\currentversion\internet
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 Queries value:
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 Oueries value:
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                            \label{lem:hkcu} \verb+KKCU \software \microsoft \windows \current version \cite{thm:lem:hkcu} in terms to the lemma substitution \cite{thm:lem:hkcu} and \cite{thm:lem:hkcu} are \cite{thm:lem:hkcu}.
settings\5.0\cache[scavengecachefilelifetime]
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settings\5.0\cache[scavengecachefilelimit]
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 Oueries value:
settings\5.0\cache[scavengecachefilelimit]
 Queries value:
                            HKLM \setminus software \setminus wow 6432 node \setminus microsoft \setminus windows \setminus current version \setminus internet
settings\5.0\cache[scavengecachefilelimit]
 Queries value:
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```
settings[httpdefaultexpirytimesecs]
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  Oueries value:
settings[ftpdefaultexpirytimesecs]
  Queries value:
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explorer\main\featurecontrol\feature_disable_unicode_handle_closing_callback[1bb90eca6f10f100c1d941d1fe06e7a9.exe]
  Queries value:
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explorer\main\featurecontrol\feature_disable_unicode_handle_closing_callback[*]
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settings[disablecachingofsslpages]
  Queries value:
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settings[perusercookies]
  Queries value:
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settings[leashlegacycookies]
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  Oueries value:
settings[dialupuselansettings]
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settings[dialupuselansettings]
  Queries value:
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settings[sendextracrlf]
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settings[bypasshttpnocachecheck]
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  Queries value:
settings[bypasssslnocachecheck]
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  Queries value:
settings[bypasssslnocachecheck]
                            HKLM\software\wow6432node\microsoft\windows\currentversion\internet
  Queries value:
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settings[nocheckautodialoverride]
                            HKLM\software\wow6432node\microsoft\windows\currentversion\internet
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settings[nocheckautodialoverride]
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settings[dontusednsloadbalancing]
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settings[sharecredswithwinhttp]
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  Queries value:
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settings[warnonzonecrossing]
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settings[warnonbadcertrecving]
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settings[warnonpostredirect]
  Queries value:
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settings[alwaysdrainonredirect]
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HKLM\system\currentcontrolset\control\lsa\accessproviders[martaextension]
  Queries value:
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  Queries value:
                            HKLM \setminus system \setminus current control set \setminus services \setminus ldap [use old host resolution order]
                            HKLM\system\currentcontrolset\services\ldap[usehostnameasalias]
  Oueries value:
  Queries value:
                            HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ internet
settings[tcpautotuning]
  Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[winsock_registry_version]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[namespace_callout]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[serial_access_num]
  Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[next_catalog_entry_id]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[num_catalog_entries]
  Queries value:
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- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\000000000004[packedcatalogitem]

  Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\000000000005[packedcatalogitem] Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\000000000007[packedcatalogitem]
   Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\000000000008[packedcatalogitem] Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\000000000009[packedcatalogitem] Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\000000000010[packedcatalogitem]
   Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5[serial\_access\_num]
   Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5[num\_catalog\_entries]
   Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000001[librarypath]
   Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000001[displaystring]
  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[addressfamily]
   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]
- 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\00000000001[providerinfo]
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000002[librarypath]
   Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\0000000000002[displaystring]
   Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000002[providerid]
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000002[addressfamily]
   Oueries value:
- 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]
  Queries value:
- $HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ name space\_catalog 5 \ catalog\_entries \ 0000000000002 \ [version] \ Oueries \ value:$
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000002[storesserviceclassinfo]
  Queries 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\00000000003[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]
  Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000003[addressfamily]
  Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000003[supportednamespace]
   Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000003[enabled]
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000003[version]
  Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000003[storesserviceclassinfo]
   Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000003[providerinfo]
   Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000004[librarypath]
   Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\0000000000004[displaystring]
  Oueries value:

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: Oueries value:

Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000004[storesserviceclassinfo] Oueries value:

 $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap ameters \setminus namespace\_catalog 5 \setminus catalog\_entries \setminus 0000000000004 [provider info]$ Oueries value:

 $HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ names pace \_catalog5 \ catalog\_entries \ 00000000005 [library path]$ Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000005[displaystring] Oueries value:

 $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap amespace\_catalog \\ S \setminus catalog\_entries \setminus 0000000000005[providerid]$ Oueries value:

 $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ names pace\_catalog 5 \ (catalog\_entries \ 0000000000005 \ [address family]$ Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000005[supportednamespace] Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000005[enabled] Oueries value:

Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000005[storesserviceclassinfo] Oueries value:

 $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap ameters \setminus namespace\_catalog 5 \setminus catalog\_entries \setminus 0000000000005[provider info]$ Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000006[librarypath]

 $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog 5 \ (catalog\_entries \ 0000000000006 \ [displaystring]$ Oueries value:

Oueries value:

 $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog 5 \ (catalog\_entries \ 0000000000006 [supported name space]]$ Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000006[enabled] Oueries value:

 $HKLM \ system \ (current control set \ services \ win sock 2 \ parameters \ namespace\_catalog \ (catalog\_entries \ (000000000006[storesserviceclassinfo]) \ (catalog\_entries \ (catalo$ Oueries value:

Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters[ws2\_32numhandlebuckets] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\wpadfwpadoverridel

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

settings[enableautodial]

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

settings[nonetautodial]

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

settings[globaluseroffline]

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

settings[badproxyexpirestime]

Queries value: HKLM\software\wow6432node\microsoft\windows\currentversion\internet

settings[disablebranchcache]

HKLM\software\wow6432node\microsoft\internet Queries value:

explorer\main\featurecontrol\feature\_http\_username\_password\_disable[1bb90eca6f10f100c1d941d1fe06e7a9.exe]

Queries value: HKLM\software\wow6432node\microsoft\internet explorer\main\featurecontrol\feature\_http\_username\_password\_disable[\*]

HKLM\software\wow6432node\microsoft\tracing[enableconsoletracing] Queries value:

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ tracing \ 1bb 90eca 6f 10f 100c 1d 941d 1f e 06e 7ag\_rasapi 32[enable file tracing]$ Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ tracing \ 1bb 90eca 6f 10f 100c 1d941d1 fe 06e7a9\_rasapi 32[file tracing \ mask]$ 

HKLM\software\wow6432node\microsoft\tracing\1bb90eca6f10f100c1d941d1fe06e7a9 rasapi32[enableconsoletracing] Queries value:

 $HKLM \setminus software \setminus wow 6432 node \setminus microsoft \setminus tracing \setminus 10500 ca 6f 10f 100c 1d941d1 fe 06e 7a9\_rasapi 32[consolet racing mask]$ Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ tracing \ 1bb90eca6f10f100c1d941d1fe06e7a9\_rasapi32[maxfilesize]$ Oueries value:

HKLM\software\wow6432node\microsoft\tracing\1bb90eca6f10f100c1d941d1fe06e7a9\_rasapi32[filedirectory] Oueries value:

 $HKLM \label{lem:hklm} White the label of t$ Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ tracing \ 1bb 90eca 6f 10f 100c 1d941 d 1fe 06e 7a9\_rasmancs [file tracing mask]$ 

Oueries value: HKLM\software\wow6432node\microsoft\tracing\1bb90eca6f10f100c1d941d1fe06e7a9\_rasmancs[enableconsoletracing] Oueries value:  $HKLM \setminus software \setminus wow 6432 node \setminus microsoft \setminus tracing \setminus 10b90eca 6f10f100c1d941d1fe06e7a9\_rasmancs[consoletracingmask]$ Oueries value:  $HKLM \ software \ wow 6432 node \ microsoft \ tracing \ 10b90eca 6f10f100c1d941d1fe06e7a9\_rasmancs \ [maxfilesize]$ Oueries value: HKLM\software\wow6432node\microsoft\tracing\1bb90eca6f10f100c1d941d1fe06e7a9\_rasmancs[filedirectory] HKLM\software\microsoft\windows Queries value: nt\currentversion\profilelist[programdata] HKLM\system\currentcontrolset\control\samservicelist[samservicelist] Oueries value: HKLM\software\microsoft\sqmclient\windows\disabledprocesses[fa12fa97] Queries value: Queries value: HKLM\software\microsoft\sqmclient\windows\disabledsessions[machinethrottling] Queries value: HKLM\software\microsoft\sqmclient\windows\disabledsessions[globalsession] HKLM\software\policies\microsoft\windows\currentversion\internet Oueries value: settings[proxysettingsperuser] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings[migrateproxy] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings[proxyenable] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings[proxyserver]  $\label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ internet$ Queries value: settings[proxyoverride] HKCU\software\microsoft\windows\currentversion\internet Queries value: settings[autoconfigurl] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\connections[savedlegacysettings] HKCU\software\microsoft\windows\currentversion\internet Oueries value: settings\connections[defaultconnectionsettings] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[queryadaptername] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[disableadapterdomainname] Oueries value:  $HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [usedomain name devolution]$ Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[usedomainnamedevolution] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[domainnamedevolutionlevel] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[prioritizerecorddata] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[prioritizerecorddata] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[allowunqualifiedquery] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[allowunqualifiedquery] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[appendtomultilabelname] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[screenbadtlds] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[screenunreachableservers] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[screendefaultservers] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[dynamicserverqueryorder] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[filterclusterip] Queries value: HKLM\svstem\currentcontrolset\services\dnscache\parameters[waitfornameerroronall] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[useedns] HKLM\system\currentcontrolset\services\dnscache\parameters[dnssecurenamequeryfallback] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[enabledaforallnetworks] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[directaccessqueryorder] HKLM\system\currentcontrolset\services\dnscache\parameters[guervipmatching] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[usehostsfile] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[addrconfigcontrol] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registrationenabled]

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

HKLM\system\currentcontrolset\services\dnscache\parameters[registerprimaryname]

Oueries value:

Queries value:

Queries value:

```
HKLM\system\currentcontrolset\services\dnscache\parameters[registeradaptername]
  Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[enableadapterdomainnameregistration]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerreverselookup]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disablereverseaddressregistrations]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerwanadapters]
  Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disablewandynamicupdate]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationttl]
  Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationttl]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationrefreshinterval]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationrefreshinterval]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationmaxaddresscount]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[maxnumberofaddressestoregister]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[updatesecuritylevel]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[updatesecuritylevel]
  Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [update top level domain zones]
HKLM\system\currentcontrolset\services\dnscache\parameters[downcasespncauseapiowneristoolazy]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationoverwrite]
                                    HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachesize]
  Queries value:
  Oueries value:
                                    HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachettl]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[maxnegativecachettl]
  Oueries value:
\label{thm:local_hammon_hammon} \begin{tabular}{ll} HKLM \end{tabular} system \current control set \end{tabular} set \color= \color=
  Queries value:
HKLM\svstem\currentcontrolset\services\dnscache\parameters[maxcachedsockets]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[enablemulticast]
  Queries value:
Queries value:
HKLM\svstem\currentcontrolset\services\dnscache\parameters[multicastsenderflags]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[multicastsendermaxtimeout]
                                    HKLM\system\currentcontrolset\services\dnscache\parameters[dnstest]
  Oueries value:
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[usecompartments]
  Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[cacheallcompartments]
  Oueries value:
HKLM\svstem\currentcontrolset\services\dnscache\parameters[usenewregistration]
  Oueries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dnscache \setminus parameters [resolver registration]
  Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[resolverregistrationonly]
  Queries value:
HKLM\svstem\currentcontrolset\services\dnscache\parameters[dnsquervtimeouts]
  Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquerytimeouts]
  Queries value:
Queries value:
HKLM\svstem\currentcontrolset\services\tcpip\parameters[dnsquickquervtimeouts]
  Queries value:
                                    HKLM\software\wow6432node\microsoft\internet
explorer\main\featurecontrol\feature_mime_handling[1bb90eca6f10f100c1d941d1fe06e7a9.exe]
                                   HKLM\software\wow6432node\microsoft\internet
  Oueries value:
explorer\main\featurecontrol\feature_mime_handling[*]
  Queries value:
                                   HKLM\system\currentcontrolset\services\winsock2\parameters[autodialdll]
  Oueries value:
                                    HKLM\software\wow6432node\microsoft\internet
explorer\main\featurecontrol\feature_unc_savedfilecheck[1bb90eca6f10f100c1d941d1fe06e7a9.exe]
  Oueries value:
                                   HKLM\software\wow6432node\microsoft\internet
explorer\main\featurecontrol\feature_unc_savedfilecheck[*]
  Queries value:
                                    HKLM\software\policies\microsoft\internet
explorer\security[disablesecuritysettingscheck]
                                    HKCU\software\microsoft\windows\currentversion\internet
  Oueries value:
settings\zones\0[flags]
```

```
Queries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings\zones\1[flags]
 Queries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings\zones\2[flags]
                         HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\zones\3[flags]
 Queries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings\zones\4[flags]
 Queries value:
                         HKCU\software\microsoft\internet
explorer\main\featurecontrol\feature_localmachine_lockdown[1bb90eca6f10f100c1d941d1fe06e7a9.exe]
                         HKCU\software\microsoft\internet
 Oueries value:
explorer\main\featurecontrol\feature_localmachine_lockdown[*]
 Queries value:
                        HKLM\software\wow6432node\microsoft\internet
explorer\main\featurecontrol\feature_localmachine_lockdown[1bb90eca6f10f100c1d941d1fe06e7a9.exe]
 Queries value:
                         HKLM\software\wow6432node\microsoft\internet
explorer\main\featurecontrol\feature_localmachine_lockdown[*]
 Oueries value:
                        HKLM\software\policies\microsoft\windows\currentversion\internet
settings[createuricachesize]
                         HKCU\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[createuricachesize]
                         HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[createuricachesize]
                         HKLM \setminus software \setminus wow 6432 node \setminus microsoft \setminus windows \setminus current version \setminus internet
 Oueries value:
settings[createuricachesize]
                         HKLM\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[enablepunycode]
                         HKCU\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[enablepunycode]
                         HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings[enablepunycode]
 Queries value:
                         HKCU\software\microsoft\internet explorer\ietld[ietlddllversionlow]
 Queries value:
                         HKCU\software\microsoft\internet explorer\ietld[ietlddllversionhigh]
 Queries value:
                         HKCU\software\microsoft\internet explorer\ietld[ietldversionlow]
 Queries value:
                         HKCU\software\microsoft\internet explorer\ietld[ietldversionhigh]
 Oueries value:
                         HKCU\software\microsoft\windows\currentversion\internet
settings\zonemap[autodetect]
                         HKCU\software\microsoft\windows\currentversion\internet
 Oueries value:
settings\zones\3[1a10]
                         HKLM\system\currentcontrolset\services\winsock\parameters[transports]
 Queries value:
 Queries value:
HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[mapping]
                         HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[mapping]
 Queries value:
                         HKLM\system\currentcontrolset\services\winsock\setup
 Oueries value:
migration\providers\tcpip[winsock 2.0 provider id]
HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[minsockaddrlength]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[maxsockaddrlength]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[usedelayedacceptance]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[helperdllname]
 Queries value:
                         HKLM\system\currentcontrolset\services\winsock\setup
migration\providers\tcpip6[winsock 2.0 provider id]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[minsockaddrlength]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[maxsockaddrlength]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[usedelayedacceptance]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[helperdllname]
                         HKLM\system\currentcontrolset\services\tcpip\parameters[hostname]
 Queries value:
                         HKLM\system\currentcontrolset\services\tcpip\parameters[domain]
 Oueries value:
 Queries value:
Queries value:
e1e01c1f69b5}[searchlist]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{22873b3e-c4d3-495a-8165-
e1e01c1f69b5}[enabledhcp]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{22873b3e-c4d3-495a-8165-
e1e01c1f69b5}[registrationenabled]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{22873b3e-c4d3-495a-8165-
e1e01c1f69b5}[registeradaptername]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{22873b3e-c4d3-495a-8165-
e1e01c1f69b5}[domain]
 Oueries value:
```

HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{22873b3e-c4d3-495a-8165-

e1e01c1f69b5}[dhcpdomain]

Queries value:

HKLM\system\currentcontrolset\services\tcpip6\parameters\interfaces\{22873b3e-c4d3-495a-8165-e1e01c1f69b5}[dhcpv6domain]

Queries value:

HKLM\system\currentcontrolset\services\tcpip6\parameters\interfaces\{22873b3e-c4d3-495a-8165-e1e01c1f69b5}[nameserver]

Oueries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '\{22873b3e-c4d3-495a-8165-e1e01c1f69b5\} \ [names erver]$ 

Oueries value:

 $HKLM \ system \ current control set \ services \ tcpip \ parameters \ interfaces \ \{22873b3e-c4d3-495a-8165-e1e01c1f69b5\} \ [dhcpnameserver]$ 

Oueries value:

 $\label{lem:hklm} HKLM \ system \ `current controlset \ 'services \ 'tcpip \ parameters \ 'interfaces \ '\{846ee342-7039-11de-9d20-806e6f6e6963\} \ [enabled \ hcp]$ 

Queries value:

 $\label{lem:hklmsystem} HKLM \system \current control set \services \tcpip \parameters \time faces \end{20-806e6f6e6963} \ [registration enabled]$ 

Queries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '{846ee342-7039-11de-9d20-806e6f6e6963} \ [register adapter name]$ 

Oueries value:

 $\label{lem:hklmsystem} HKLM \system \current control set \services \true \parameters \end{4.5} Ide-9d20-806e6f6e6963 \end{4.5} Ide-9d20-806e6f6e6963 \end{4.5} Ide-9d20-806e6f6e6963 \end{4.5} Ide-9d20-8d6e6f6e6963 \end{4.5} Ide-9d20-8d6e6f6e696969 \end{4.5} Ide-9d20-8d6e6f6e696969 \end{4.5} Ide-9d20-8d6e669699 \end{4.5} Ide-9d20-8d6e669699 \end{4.$ 

Queries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '\{846ee 342-7039-11de-9d20-806e6f6e6963\} \ [dhcpdomain]$ 

Queries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ 'parameters \ 'interfaces \ '{846ee342-7039-11de-9d20-806e6f6e6963} \ [nameserver]$ 

Queries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '\{846ee 342-7039-11de-9d20-806e6f6e6963\} \ [dhcpnameserver]$ 

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

Queries value:

 $HKLM \ system \ current control set \ services \ trip \ parameters \ interfaces \ \{22873b3e-c4d3-495a-8165-e1e01c1f69b5\} \ [queryadaptername]$ 

Queries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '\{22873b3e-c4d3-495a-8165-e1e01c1f69b5\} \ [disable adapter domain name]$ 

Queries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '\{22873b3e-c4d3-495a-8165-e1e01c1f69b5\} \ [registration maxaddress count]$ 

Queries value:

 $\label{lem:hklm} HKLM \ system \ current controls et \ services \ tcpip \ parameters \ interfaces \ \{22873b3e-c4d3-495a-8165-e1e01c1f69b5\} \ [maxnumber of addresses to register]$ 

Queries value:

 $HKLM \ system \ current control set \ services \ tcpip \ parameters \ interfaces \ \{22873b3e-c4d3-495a-8165-e1e01c1f69b5\} \ [enable multicast]$ 

Queries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '{846ee342-7039-11de-9d20-806e6f6e6963} \ [query adapter name]$ 

Queries value:

 $HKLM \ system \ current control set \ services \ tcpip \ parameters \ interfaces \ \{846ee 342-7039-11de-9d20-806e6 166e 6963\} \ [disable adapter domain name]$ 

Queries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '\{846ee 342-7039-11de-9d20-806e6f6e6963\} \ [disable dynamic update]$ 

Queries value:

Queries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '{846ee342-7039-11de-9d20-806e6f6e6963} \ [registration max address count]$ 

Queries value:

 $\label{local-bound} HKL\begin{tabular}{l} HKL\begin{tabular}{l}$ 

Queries value:

Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[searchlist]
Queries value: HKCU\software\microsoft\windows\currentversion\explorer[maximizeapps]
Queries value:

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer[maximizeapps]

Oueries value:

HKLM\software\microsoft\windows\currentversion\policies\explorer[enableshellexecutehooks]
Queries value: HKLM\software\microsoft\ctf\tip\{0000897b-83df-4b96-be07-

 $0 fb 58b01c4a4 \} \\ language profile \\ 0 0 0 0 0 0 0 0 0 1 bea3-ed56-483d-a2e2-aeae25577436 \} [enable] \\ Queries value: \\ HKLM \\ software \\ wow 6432node \\ microsoft \\ ctf[enableanchorcontext]$ 

Queries value:

HKLM\software\microsoft\windows\currentversion\policies\explorer[nopropertiesmycomputer]
 Oueries value:

```
HKLM\software\microsoft\windows\currentversion\policies\explorer[nopropertiesrecyclebin]
    Oueries value:
HKLM\software\microsoft\windows\currentversion\policies\explorer[nocontrolpanel]
    Queries value:
HKLM\software\microsoft\windows\currentversion\policies\explorer[nosetfolders]
    Queries value:
HKLM\software\microsoft\windows\currentversion\policies\explorer[nointerneticon]
    Oueries value:
HKLM\software\microsoft\windows\currentversion\policies\explorer[nocommongroups]
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5081-101b-9f08-00aa002f954e}[suppressionpolicy]
    Oueries value:
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08002b30309d}\shellfolder[attributes]
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    Queries value:
08002b30309d}\shellfolder[callforattributes]
                                                                HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
    Oueries value:
08002b30309d}\shellfolder[restrictedattributes]
                                                                HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
    Queries value:
08002b30309d}\shellfolder[wantsfordisplay]
    Queries value:
                                                               HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[hidefolderverbs]
    Queries value:
                                                                HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[usedrophandler]
                                                               HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
    Oueries value:
08002b30309d}\shellfolder[wantsforparsing]
    Queries value:
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08002b30309d}\shellfolder[wantsparsedisplayname]
    Queries value:
                                                                HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[queryforoverlay]
                                                                HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
    Oueries value:
08002b30309d}\shellfolder[mapnetdriveverbs]
    Queries value:
                                                               HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[queryforinfotip]
    Queries value:
                                                                HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
```

```
08002b30309d}\shellfolder[hideinwebview]
                         Oueries value:
08002b30309d}\shellfolder[hideondesktopperuser]
                         HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
 Queries value:
08002b30309d}\shellfolder[wantsaliasednotifications]
 Queries value:
                         HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[wantsuniversaldelegate]
                         HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
 Oueries value:
08002b30309d}\shellfolder[nofilefolderjunction]
 Oueries value:
                         HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[pintonamespacetree]
                         HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
 Queries value:
08002b30309d}\shellfolder[hasnavigationenum]
 Oueries value:
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08002b30309d}]
                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Oueries value:
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 Queries value:
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08002b30309d}\shellfolder[callforattributes]
                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Queries value:
08002b30309d}\shellfolder[restrictedattributes]
                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Oueries value:
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                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Queries value:
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                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Queries value:
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                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Oueries value:
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                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Oueries value:
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                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Queries value:
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                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Oueries value:
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                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Oueries value:
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                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Queries value:
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                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Oueries value:
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                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
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                         HKCR\wow6432node\clsid\{208d2c60-3aea-1069-a2d7-
 Oueries value:
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 Queries value:
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 Oueries value:
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                         HKCR\wow6432node\clsid\{871c5380-42a0-1069-a2ea-
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                         HKCR\wow6432node\clsid\{871c5380-42a0-1069-a2ea-
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 Oueries value:
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                         HKCR\wow6432node\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
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 Oueries value:
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                         HKCR\wow6432node\clsid\{871c5380-42a0-1069-a2ea-
 Oueries value:
08002b30309d}\shellfolder[wantsaliasednotifications]
```

```
HKCR\wow6432node\clsid\{871c5380-42a0-1069-a2ea-
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   Oueries value:
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                                                HKCR\wow6432node\clsid\{871c5380-42a0-1069-a2ea-
   Oueries value:
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                                                HKCR\wow6432node\clsid\{871c5380-42a0-1069-a2ea-
   Oueries value:
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   Oueries value:
                                                HKCU\software\microsoft\windows\currentversion\explorer\clsid\{871c5380-
42a0-1069-a2ea-08002b30309d}\shellfolder[attributes]
   Oueries value:
HKLM \ software \ microsoft \ windows \ current version \ policies \ nonenum \ [\{871c5380-42a0-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1069-a2ea-1060-a2ea-1060-a2ea-1060-a2ea-1060-a2ea-1060-a2ea-1060-a2ea-1060-a2ea-1060-a2ea-1060-a2ea-1060-a2ea-1060-a2ea-1060-a2ea-1060-a2ea
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0xffff1
   Queries value:
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   Queries value:
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   Queries value:
                                                HKCR\wow6432node\clsid\{645ff040-5081-101b-9f08-
00aa002f954e}\shellfolder[queryforinfotip]
   Queries value:
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00aa002f954e}\shellfolder[pintonamespacetree]
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                                                                                   HKCR\wow6432node\clsid\{daf95313-e44d-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-be1b-46af-b
cbacea2c3065}\shellfolder[pintonamespacetree]
      Queries value:
                                                                                   HKCR\wow6432node\clsid\{daf95313-e44d-46af-be1b-
 cbacea2c3065}\shellfolder[hasnavigationenum]
      Oueries value:
HKLM\software\microsoft\windows\currentversion\policies\nonenum[{daf95313-e44d-46af-be1b-
cbacea2c3065}]
      Oueries value:
                                                                                    HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
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      Queries value:
                                                                                   HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
4e922c26259e}\shellfolder[callforattributes]
      Queries value:
                                                                                   HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
 4e922c26259e}\shellfolder[restrictedattributes]
                                                                                   HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
      Oueries value:
4e922c26259e}\shellfolder[wantsfordisplay]
```

```
Queries value:
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
4e922c26259e}\shellfolder[hidefolderverbs]
 Oueries value:
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
4e922c26259e}\shellfolder[usedrophandler]
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
 Oueries value:
4e922c26259e}\shellfolder[wantsforparsing]
 Queries value:
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
4e922c26259e}\shellfolder[wantsparsedisplayname]
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
 Queries value:
4e922c26259e}\shellfolder[queryforoverlay]
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
 Oueries value:
4e922c26259e}\shellfolder[mapnetdriveverbs]
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
 Queries value:
4e922c26259e}\shellfolder[queryforinfotip]
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
 Queries value:
4e922c26259e}\shellfolder[hideinwebview]
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
 Oueries value:
4e922c26259e}\shellfolder[hideondesktopperuser]
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
 Queries value:
4e922c26259e}\shellfolder[wantsaliasednotifications]
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
 Queries value:
4e922c26259e}\shellfolder[wantsuniversaldelegate]
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
 Oueries value:
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                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
 Queries value:
4e922c26259e}\shellfolder[pintonamespacetree]
                        HKCR\wow6432node\clsid\{e345f35f-9397-435c-8f95-
4e922c26259e}\shellfolder[hasnavigationenum]
 Oueries value:
HKLM\software\microsoft\windows\currentversion\policies\nonenum[{e345f35f-9397-435c-8f95-
4e922c26259e}]
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
 Queries value:
96b02cfe0d52}\shellfolder[attributes]
 Queries value:
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96b02cfe0d52}\shellfolder[callforattributes]
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
 Queries value:
96b02cfe0d52}\shellfolder[restrictedattributes]
                        Oueries value:
96b02cfe0d52}\shellfolder[wantsfordisplay]
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
 Queries value:
96b02cfe0d52}\shellfolder[hidefolderverbs]
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
 Queries value:
96b02cfe0d52}\shellfolder[usedrophandler]
                        Queries value:
96b02cfe0d52}\shellfolder[wantsforparsing]
 Queries value:
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96b02cfe0d52}\shellfolder[wantsparsedisplayname]
 Queries value:
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
96b02cfe0d52}\shellfolder[quervforoverlav]
 Queries value:
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
96b02cfe0d52}\shellfolder[mapnetdriveverbs]
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
 Oueries value:
96b02cfe0d52}\shellfolder[queryforinfotip]
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
 Queries value:
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 Queries value:
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
96b02cfe0d52}\shellfolder[hideondesktopperuser]
                        Oueries value:
96b02cfe0d52}\shellfolder[wantsaliasednotifications]
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
 Queries value:
96b02cfe0d52}\shellfolder[wantsuniversaldelegate]
 Oueries value:
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
96b02cfe0d52}\shellfolder[nofilefolderjunction]
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
 Oueries value:
96b02cfe0d52}\shellfolder[pintonamespacetree]
                        HKCR\wow6432node\clsid\{ed228fdf-9ea8-4870-83b1-
96b02cfe0d52}\shellfolder[hasnavigationenum]
 Oueries value:
96b02cfe0d52}1
 Queries value:
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7367fc96ef3c}\shellfolder[attributes]
                        HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
 Oueries value:
7367fc96ef3c}\shellfolder[callforattributes]
 Queries value:
                        HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
7367fc96ef3c}\shellfolder[restrictedattributes]
 Queries value:
                        HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
7367fc96ef3c}\shellfolder[wantsfordisplay]
                        HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
 Oueries value:
7367fc96ef3c}\shellfolder[hidefolderverbs]
                        HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
 Queries value:
7367fc96ef3c}\shellfolder[usedrophandler]
 Queries value:
                        HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
```

```
7367fc96ef3c}\shellfolder[wantsforparsing]
                                                                         HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
    Oueries value:
7367fc96ef3c}\shellfolder[wantsparsedisplayname]
     Queries value:
                                                                          HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
7367fc96ef3c}\shellfolder[queryforoverlay]
     Queries value:
                                                                         HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
 7367fc96ef3c}\shellfolder[mapnetdriveverbs]
                                                                        HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
    Oueries value:
7367fc96ef3c}\shellfolder[queryforinfotip]
     Queries value:
                                                                          HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
7367fc96ef3c}\shellfolder[hideinwebview]
                                                                         HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
     Queries value:
7367fc96ef3c}\shellfolder[hideondesktopperuser]
                                                                        HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
    Oueries value:
7367fc96ef3c}\shellfolder[wantsaliasednotifications]
                                                                          HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
     Queries value:
7367fc96ef3c}\shellfolder[wantsuniversaldelegate]
                                                                         HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
     Queries value:
7367fc96ef3c}\shellfolder[nofilefolderjunction]
                                                                         HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
    Oueries value:
7367fc96ef3c}\shellfolder[pintonamespacetree]
                                                                          HKCR\wow6432node\clsid\{f02c1a0d-be21-4350-88b0-
     Queries value:
7367fc96ef3c}\shellfolder[hasnavigationenum]
HKLM \ software \ microsoft \ windows \ current version \ policies \ nonenum \ [\{f02c1a0d-be21-4350-88b0-microsoft\}] \ defined a software \ microsoft \ microsof
7367fc96ef3c}1
     Queries value:
11e3-a68e-806e6f6e6963}[data]
HKCU \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus mountpoints 2 \setminus cpc \setminus volume \setminus \{8063a3d4-8213-mountpoints 2 \setminus cpc \setminus cpc \setminus volume \setminus \{8063a3d4-8213-mountpoints 2 \setminus cpc \setminus cpc \setminus volume \setminus \{8063a3d4-8213-mountpoints 2 \setminus cpc \setminus cpc \setminus cpc \setminus cpc \setminus volume \setminus \{8063a3d4-8213-mountpoints 2 \setminus cpc \setminus c
11e3-a68e-806e6f6e6963}[generation]
                                                                          HKCR\drive\shellex\folderextensions\{fbeb8a05-beee-4442-804e-
     Queries value:
409d6c4515e9}[drivemask]
     Oueries value:
HKLM\software\microsoft\windows\currentversion\policies\explorer[dontshowsuperhidden]
                                                                         HKCU\software\microsoft\windows\currentversion\explorer[shellstate]
     Oueries value:
     Oueries value:
HKLM\software\microsoft\windows\currentversion\policies\explorer[nowebview]
     Queries value:
HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus policies \setminus explorer[classicshell]
HKLM\software\microsoft\windows\currentversion\policies\explorer[separateprocess]
     Queries value:
HKLM\software\microsoft\windows\currentversion\policies\explorer[nonetcrawling]
     Queries value:
HKLM \verb| software \verb| microsoft \verb| windows \verb| current version \verb| policies \verb| explorer [no simple startmenu]| \\
     Queries value:
                                                                          \label{lem:hkcu} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \explorer \advanced \cite{tabular} hidden \cite{tabular} \end{tabular}
     Oueries value:
HKCU \ software \ \verb|microsoft| windows \ \verb|currentversion| explorer \ | advanced [showcompcolor] | the software \ | advanced \ | adva
HKCU\software\microsoft\windows\currentversion\explorer\advanced[hidefileext]
     Queries value:
Oueries value:
HKCU\software\microsoft\windows\currentversion\explorer\advanced[showinfotip]
     Oueries value:
HKCU\software\microsoft\windows\currentversion\explorer\advanced[hideicons]
     Oueries value:
HKCU\software\microsoft\windows\currentversion\explorer\advanced[mapnetdrvbtn]
     Queries value:
HKCU\software\microsoft\windows\currentversion\explorer\advanced[webview]
     Queries value:
                                                                          HKCU\software\microsoft\windows\currentversion\explorer\advanced[filter]
     Oueries value:
HKCU \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus advanced [shows uper hidden]
HKCU\software\microsoft\windows\currentversion\explorer\advanced[separateprocess]
     Queries value:
Oueries value:
HKCU\software\microsoft\windows\currentversion\explorer\advanced[autocheckselect]
HKCU\software\microsoft\windows\currentversion\explorer\advanced[iconsonly]
     Queries value:
HKCU\software\microsoft\windows\currentversion\explorer\advanced[showtypeoverlay]
                                                                          HKCR\directory[docobject]
     Oueries value:
     Queries value:
                                                                          HKCR\folder[docobject]
     Oueries value:
                                                                          HKCR\allfilesystemobjects[docobject]
     Oueries value:
                                                                          HKCR\directory[browseinplace]
     Oueries value:
                                                                          HKCR\folder[browseinplace]
     Queries value:
                                                                          HKCR\allfilesystemobjects[browseinplace]
     Oueries value:
                                                                          HKCR\directory[isshortcut]
     Queries value:
                                                                          HKLM\software\microsoft\windows\currentversion\setup[sourcepath]
```

Oueries value: HKLM\software\wow6432node\microsoft\windows\currentversion[devicepath]

HKCR\folder[isshortcut] Oueries value:

Oueries value: HKCR\allfilesystemobjects[isshortcut]

HKCR\directory[alwaysshowext] Queries value: HKCR\directory[nevershowext] Oueries value: Queries value: HKCR\folder[nevershowext]

Oueries value: HKCR\allfilesystemobjects[nevershowext]

Oueries value:

HKLM\software\microsoft\windows\currentversion\policies\explorer[allowfileclsidjunctions]

Oueries value:

11e3-a68e-806e6f6e6963}[data]

Queries value:

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HKCR\.exe[] Queries value:

HKCR\exefile[docobject] Oueries value:

Queries value: HKCR\systemfileassociations\.exe[docobject]

Queries value: HKCR\exefile[browseinplace]

HKCR\systemfileassociations\.exe[browseinplace] Queries value:

HKCR\.exe[content type] Queries value: Queries value: HKCR\exefile[isshortcut]

HKCR\systemfileassociations\.exe[isshortcut] Oueries value:

Queries value: HKCR\exefile[alwaysshowext]

HKCR\systemfileassociations\.exe[alwaysshowext] Queries value:

Queries value: HKCR\exefile[nevershowext]

HKCR\systemfileassociations\.exe[nevershowext] Queries value:

Queries value:

db2c-424c-b029-7fe99a87c641}[category]

Oueries value:

db2c-424c-b029-7fe99a87c641}[name]

Queries value:

db2c-424c-b029-7fe99a87c641}[parentfolder]

Oueries value:

db2c-424c-b029-7fe99a87c641}[description]

Queries value:

db2c-424c-b029-7fe99a87c641}[relativepath]

Oueries value:

db2c-424c-b029-7fe99a87c641}[parsingname]

Queries value:

db2c-424c-b029-7fe99a87c641}[infotip]

Oueries value:

db2c-424c-b029-7fe99a87c641}[localizedname]

db2c-424c-b029-7fe99a87c641}[icon]

Oueries value:

Oueries value:

db2c-424c-b029-7fe99a87c641}[security]

Oueries value:

db2c-424c-b029-7fe99a87c641}[streamresource]

Queries value:

db2c-424c-b029-7fe99a87c641}[streamresourcetype]

Oueries value:

db2c-424c-b029-7fe99a87c641}[localredirectonly]

Queries value:

 $HKLM \label{lem:hklm} White the latest and the la$ db2c-424c-b029-7fe99a87c641}[roamable]

Oueries value:

db2c-424c-b029-7fe99a87c641}[precreate]

Oueries value:

db2c-424c-b029-7fe99a87c641}[stream]

Oueries value:

db2c-424c-b029-7fe99a87c641}[publishexpandedpath]

Oueries value:

db2c-424c-b029-7fe99a87c641}[attributes]

Oueries value:

db2c-424c-b029-7fe99a87c641}[foldertypeid]

Oueries value:

db2c-424c-b029-7fe99a87c641}[initfolderhandler]

 $\label{thm:linear} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \explorer \user shell \end{tabular}$ Oueries value:

folders[desktop]

Oueries value: HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d}[]

HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-Oueries value:

b8dc300d9f9d}\inprocserver32[inprocserver32]

Oueries value: HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-

b8dc300d9f9d}\inprocserver32[]

HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-Queries value:

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b587-4786-b4ef-bd1dc332aeae}[category]

Oueries value:

b587-4786-b4ef-bd1dc332aeae}[name]

Queries value:

b587-4786-b4ef-bd1dc332aeae}[parentfolder]

Oueries value:

b587-4786-b4ef-bd1dc332aeae}[description]

Queries value:

b587-4786-b4ef-bd1dc332aeae}[relativepath]

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \ \{1b3ea5dc-part \ baselines \ baselines$ b587-4786-b4ef-bd1dc332aeae}[parsingname]

Queries value:

b587-4786-b4ef-bd1dc332aeae}[infotip]

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{1b3ea5dc-part \ baselines \$ b587-4786-b4ef-bd1dc332aeae}[localizedname]

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \ \{1b3ea5dc-part \ b3ea5dc-part \ b3ea5dc-part$ b587-4786-b4ef-bd1dc332aeae}[icon]

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{1b3ea5dc-particles \ explorer \ folder \ folde$ b587-4786-b4ef-bd1dc332aeae}[security]

Queries value:

b587-4786-b4ef-bd1dc332aeae}[streamresource]

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{1b3ea5dc-particles \ explorer \ folder \ folde$ b587-4786-b4ef-bd1dc332aeae}[streamresourcetype]

Queries value:

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dcb587-4786-b4ef-bd1dc332aeae}[localredirectonly]

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{1b3ea5dc-particles \ explorer \ folder \ folde$ b587-4786-b4ef-bd1dc332aeae}[roamable]

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \ \{1b3ea5dc-16b4e$ b587-4786-b4ef-bd1dc332aeae}[precreate]

Oueries value:

b587-4786-b4ef-bd1dc332aeae}[stream]

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{1b3ea5dc-particles \ explorer \ folder \ folde$ b587-4786-b4ef-bd1dc332aeae}[publishexpandedpath]

Oueries value:

b587-4786-b4ef-bd1dc332aeae}[attributes]

Oueries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{1b3ea5dc-particles \ explorer \ folder \ folde$ b587-4786-b4ef-bd1dc332aeae}[foldertypeid]

Queries value:

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dcb587-4786-b4ef-bd1dc332aeae}[initfolderhandler]

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

folders[{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae}]

Oueries value:

Queries value: HKCR\exefile[nostaticdefaultverb]

Queries value: HKCR\exefile\shell[]

HKCR\exefile\shell\open[neverdefault] Oueries value:

Oueries value: HKCR\exefile\shell\open\command[delegateexecute]

Queries value: HKCR\.asp[] Oueries value: HKCR\.bas[] Queries value: HKCR\.bat[]

```
HKCR\.cer[]
 Oueries value:
                         HKCR\.chm[]
 Oueries value:
 Oueries value:
                         HKCR\.cmd[]
 Queries value:
                         HKCR\.com[]
                         HKCR\.cplf1
 Oueries value:
 Queries value:
                         HKCR\.crt[]
                         HKCR\wow6432node\clsid\{7b8a2d94-0ac9-11d1-896c-00c04fb6bfc4}[]
 Oueries value:
                         HKCR\wow6432node\clsid\{7b8a2d94-0ac9-11d1-896c-
 Oueries value:
00c04fb6bfc4}\inprocserver32[inprocserver32]
                         HKCR\wow6432node\clsid\{7b8a2d94-0ac9-11d1-896c-
 Queries value:
00c04fb6bfc4}\inprocserver32[]
 Queries value:
                         HKCR\wow6432node\clsid\{7b8a2d94-0ac9-11d1-896c-
00c04fb6bfc4}\inprocserver32[threadingmodel]
 Queries value:
                         HKLM\software\policies\microsoft\windows\currentversion\internet
settings[specialfolderscachesize]
                         HKCU\software\policies\microsoft\windows\currentversion\internet
 Queries value:
settings[specialfolderscachesize]
                         HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings[specialfolderscachesize]
                         HKLM\software\wow6432node\microsoft\windows\currentversion\internet
 Queries value:
settings[specialfolderscachesize]
                         HKLM\software\wow6432node\microsoft\internet
 Queries value:
\verb|explorer\main\featurecontrol\feature_protocol_lockdown[1bb90eca6f10f100c1d941d1fe06e7a9.exe]| \\
                         HKLM\software\wow6432node\microsoft\internet
 Queries value:
explorer\main\featurecontrol\feature_protocol_lockdown[*]
                         HKCU\software\microsoft\windows\currentversion\internet
 Queries value:
settings\zones\0[1806]
                         HKLM\software\wow6432node\microsoft\windows\currentversion\internet
 Queries value:
settings\zones\0[1806]
                         HKCR\exefile\shell\open\command[command]
 Queries value:
                         HKCR\exefile\shell\open\command[]
 Oueries value:
 Queries value:
HKLM \ "software \ "microsoft \ "windows \ "current version \ "policies \ "explorer \ [inherit consolehandles"]
 Queries value:
HKLM\software\microsoft\windows\currentversion\policies\explorer[restrictrun]
HKLM\software\microsoft\windows\currentversion\policies\explorer[disallowrun]
 Queries value:
                         HKCR\exefile\shell\open[setworkingdirectoryfromtarget]
                         HKCR\exefile\shell\open[noworkingdirectory]
 Queries value:
 Queries value:
HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers [authenticode enabled]
                         HKCU\software\microsoft\windows\currentversion\explorer\shell
folders[cache]
 Queries value:
                         HKLM\software\microsoft\windows nt\currentversion\image file execution
options[disablelocaloverride]
                         HKCU\software\microsoft\visual basic\6.0[allowunsafeobjectpassing]
 Queries value:
 Queries value:
                         HKLM\software\wow6432node\microsoft\windows\html help[.hlp]
                         HKLM\software\wow6432node\microsoft\windows
 Queries value:
nt\currentversion\compatibilitv32[cmd]
 Queries value:
                         HKLM\software\wow6432node\microsoft\command processor[disableunccheck]
                         HKLM\software\wow6432node\microsoft\command processor[enableextensions]
 Oueries value:
                         HKLM\software\wow6432node\microsoft\command processor[delayedexpansion]
 Oueries value:
 Queries value:
                         HKLM\software\wow6432node\microsoft\command processor[defaultcolor]
                         HKLM\software\wow6432node\microsoft\command processor[completionchar]
 Queries value:
                         HKLM\software\wow6432node\microsoft\command
 Oueries value:
processor[pathcompletionchar]
 Queries value:
                         HKLM\software\wow6432node\microsoft\command processor[autorun]
 Oueries value:
                         HKCU\software\microsoft\command processor[disableunccheck]
 Oueries value:
                         HKCU\software\microsoft\command processor[enableextensions]
                         HKCU\software\microsoft\command processor[delayedexpansion]
 Queries value:
                         HKCU\software\microsoft\command processor[defaultcolor]
 Queries value:
 Oueries value:
                         HKCU\software\microsoft\command processor[completionchar]
                         HKCU\software\microsoft\command processor[pathcompletionchar]
 Queries value:
 Oueries value:
                         HKCU\software\microsoft\command processor[autorun]
 Queries value:
                         HKLM\software\wow6432node\microsoft\windows
nt\currentversion\compatibility32[tasklist]
 Queries value:
                         HKLM\software\wow6432node\microsoft\wbem\cimom[logging]
 Oueries value:
HKLM\system\currentcontrolset\services\lanmanworkstation\parameters[rpccachetimeout]
                         HKLM\system\currentcontrolset\control\lsa[evervoneincludesanonymous]
 Oueries value:
                         HKCR\wow6432node\clsid\{4590f811-1d3a-11d0-891f-00aa004b2e24}[]
 Queries value:
                         Oueries value:
00aa004b2e24}\inprocserver32[inprocserver32]
 Queries value:
                         HKCR\wow6432node\clsid\{4590f811-1d3a-11d0-891f-
00aa004b2e24}\inprocserver32[]
 Oueries value:
                         HKCR\wow6432node\clsid\{4590f811-1d3a-11d0-891f-
00aa004b2e24}\inprocserver32[threadingmodel]
                         HKLM\software\wow6432node\microsoft\wbem\cimom[logging directory]
 Oueries value:
 Oueries value:
                         HKLM\software\wow6432node\microsoft\wbem\cimom[log file max size]
 Oueries value:
                         HKCR\wow6432node\clsid\{8bc3f05e-d86b-11d0-a075-00c04fb68820}[]
 Queries value:
provider[type]
```

```
Oueries value:
HKLM\software\wow6432node\microsoft\cryptography\defaults\provider\microsoft strong cryptographic
provider[image path]
                                                HKLM\system\currentcontrolset\control\lsa\fipsalgorithmpolicy[enabled]
   Queries value:
   Oueries value:
                                                HKLM\system\currentcontrolset\control\lsa[fipsalgorithmpolicy]
   Queries value:
                                                HKLM\software\policies\microsoft\cryptography[privkeycachemaxitems]
   Oueries value:
HKLM\software\policies\microsoft\cryptography[privkeycachepurgeintervalseconds]
   Queries value:
                                               HKLM\software\policies\microsoft\cryptography[privatekeylifetimeseconds]
                                                HKLM\software\microsoft\cryptography[machineguid]
   Oueries value:
   Oueries value:
                                               HKCR\wow6432node\interface\{00000134-0000-0000-c000-
00000000046}\proxystubclsid32[]
   Oueries value:
                                               HKLM\software\microsoft\rpc\extensions[ndroleextdll]
   Oueries value:
                                               HKLM\software\microsoft\rpc\extensions[remoterpcdll]
   Queries value:
                                                HKLM\software\microsoft\sqmclient\windows\disabledprocesses[36a1bda3]
   Queries value:
                                                HKLM\software\microsoft\ole[maximumallowedallocationsize]
                                               HKCR\wow6432node\interface\{f309ad18-d86a-11d0-a075-
   Oueries value:
00c04fb68820}\proxystubclsid32[]
   Queries value:
                                               HKCR\wow6432node\clsid\{7c857801-7381-11cf-884d-00aa004b2e24}[]
   Oueries value:
                                               HKCR\wow6432node\clsid\{7c857801-7381-11cf-884d-
00aa004b2e24}\inprocserver32[inprocserver32]
   Queries value:
                                               HKCR\wow6432node\clsid\{7c857801-7381-11cf-884d-
00aa004b2e24}\inprocserver32[]
                                               HKCR\wow6432node\clsid\{7c857801-7381-11cf-884d-
   Queries value:
00aa004b2e24}\inprocserver32[threadingmodel]
                                               HKCR\wow6432node\interface\{d4781cd6-e5d3-44df-ad94-
   Queries value:
930efe48a887}\proxystubclsid32[]
                                               HKCR\wow6432node\clsid\{674b6698-ee92-11d0-ad71-00c04fd8fdff}[]
   Queries value:
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   Oueries value:
00c04fd8fdff}\inprocserver32[inprocserver32]
                                               HKCR\wow6432node\clsid\{674b6698-ee92-11d0-ad71-
   Oueries value:
00c04fd8fdff}\inprocserver32[]
                                               HKCR\wow6432node\clsid\{674b6698-ee92-11d0-ad71-
   Queries value:
00c04fd8fdff}\inprocserver32[threadingmodel]
                                               HKLM \backslash software \backslash wow 6432 node \backslash microsoft \backslash wbem \backslash cimom[processid]
   Oueries value:
   Queries value:
                                                HKLM\software\wow6432node\microsoft\wbem\cimom[enableprivateobjectheap]
   Queries value:
                                                HKLM\software\wow6432node\microsoft\wbem\cimom[contextlimit]
   Oueries value:
                                               HKLM\software\wow6432node\microsoft\wbem\cimom[objectlimit]
                                                HKLM\software\wow6432node\microsoft\wbem\cimom[identifierlimit]
   Queries value:
                                                HKLM\system\currentcontrolset\control\nls\customlocale[en]
   Queries value:
   Oueries value:
                                               HKLM\system\currentcontrolset\control\nls\extendedlocale[en]
                                               HKCR\wow6432node\interface\{9556dc99-828c-11cf-a37e-
   Queries value:
00aa003240c7}\proxystubclsid32[]
                                               HKCR \ wow 6432 node \ clsid \ \{d68af00a-29cb-43fa-8504-ce99a996d9ea\}[]
   Queries value:
                                                HKCR\wow6432node\clsid\{d68af00a-29cb-43fa-8504-
   Oueries value:
ce99a996d9ea}\inprocserver32[inprocserver32]
                                               HKCR\wow6432node\clsid\{d68af00a-29cb-43fa-8504-
   Queries value:
ce99a996d9ea}\inprocserver32[]
                                               HKCR\wow6432node\clsid\{d68af00a-29cb-43fa-8504-
   Oueries value:
ce99a996d9ea}\inprocserver32[threadingmodel]
                                               HKCR\wow6432node\interface\{027947e1-d731-11ce-a357-
   Oueries value:
00000000001}\proxystubclsid32[]
                                               HKCR \\ wow 6432 \\ node \\ clsid \\ \{1b1cad8c-2dab-11d2-b604-00104b703efd\}[]
   Queries value:
   Queries value:
                                               HKCR\wow6432node\clsid\{1b1cad8c-2dab-11d2-b604-
00104b703efd}\inprocserver32[inprocserver32]
   Queries value:
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00104b703efd}\inprocserver32[]
                                               HKCR\wow6432 node\clsid\{1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-11d2-b604-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1cad8c-2dab-1b1ca
   Oueries value:
00104b703efd}\inprocserver32[threadingmodel]
                                               HKCR\wow6432node\interface\{1c1c45ee-4395-11d2-b60b-
   Queries value:
00104b703efd}\proxystubclsid32[]
                                               HKCR\wow6432node\interface\{423ec01e-2e35-11d2-b604-
   Queries value:
00104b703efd}\proxystubclsid32[]
                                               HKCR\wow6432node\clsid\{eb87e1bd-3233-11d2-aec9-00c04fb68820}[]
   Oueries value:
                                               Queries value:
00c04fb68820}\inprocserver32[inprocserver32]
                                               HKCR\wow6432node\clsid\{eb87e1bd-3233-11d2-aec9-
   Queries value:
00c04fb68820}\inprocserver32[]
   Queries value:
                                               HKCR\wow6432node\clsid\{eb87e1bd-3233-11d2-aec9-
00c04fb68820}\inprocserver32[threadingmodel]
   Sets/Creates value:
HKLM \label{lem:hklm} White the latest and the la
   Sets/Creates value:
HKLM\software\wow6432node\microsoft\tracing\1bb90eca6f10f100c1d941d1fe06e7a9_rasapi32[enableconsoletracing]
   Sets/Creates value:
HKLM \ software \ wow 6432 node \ microsoft \ tracing \ 1bb 90eca 6f 10f 100c 1d941d1 fe 06e7a9\_rasapi 32[file tracing \ mask]
   Sets/Creates value:
HKLM \setminus software \setminus wow 6432 node \setminus microsoft \setminus tracing \setminus 10500 ca 6f 10f 100c 1d941d1 fe 06e 7a9\_rasapi 32[consolet racing mask]
   Sets/Creates value:
HKLM \setminus software \setminus wow6432 node \setminus microsoft \setminus tracing \setminus 10b90eca6f10f100c1d941d1fe06e7a9\_rasapi32[maxfilesize]
   Sets/Creates value:
HKLM \ software \ wow 6432 node \ microsoft \ tracing \ 1bb 90eca 6f 10f 100c 1d941d1 fe 06e 7a9\_rasapi 32[filedirectory]
   Sets/Creates value:
```

HKLM\software\wow6432node\microsoft\tracing\1bb90eca6f10f100c1d941d1fe06e7a9\_rasmancs[enablefiletracing]
Sets/Creates value:

HKLM\software\wow6432node\microsoft\tracing\1bb90eca6f10f100c1d941d1fe06e7a9\_rasmancs[enableconsoletracing]
Sets/Creates value:

 $\label{locality} HKLM software \wow6432 node \microsoft \tracing \abb90eca6f10f100c1d941d1fe06e7a9\_rasmancs[filetracingmask] Sets/Creates value:$ 

HKLM\software\wow6432node\microsoft\tracing\1bb90eca6f10f100c1d941d1fe06e7a9\_rasmancs[consoletracingmask]
Sets/Creates value:

 $\label{locality} HKLM software \wow 6432 node \microsoft \tracing \node \nod$ 

 $\label{thm:condition} \mbox{Value changes:} \qquad \mbox{HKCU\software\mbox{\sc microsoft\windows\currentversion\linearing}} \mbox{\colored}$ 

settings[proxyenable]

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

settings\connections[savedlegacysettings]

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

settings\zonemap[uncasintranet]

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

settings\zonemap[autodetect]