Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details

Host: mag2, Sample ID: 228, Task ID: 913

Task ID: 913 Risk Level:

Date Processed: 2016-04-28 13:12:26 (UTC)

Processing Time: 61.11 seconds Virtual Environment: IntelliVM

Execution Arguments: "c:\windows\temp\5707475dc2b4470cb1ec56f978fbe4bd.exe"

Sample ID: Type: basic admin Owner:

5707475dc2b4470cb1ec56f978fbe4bd Label:

Date Added: 2016-04-28 12:45:13 (UTC) PE32:win32:gui File Type:

File Size: 368256 bytes

5707475dc2b4470cb1ec56f978fbe4bd MD5:

599cb9421166c30c3dc09c2d76376f093290c908abd0bb2a4214cd03f9e5ab3c SHA256:

Description: None

Pattern Matching Results

2 PE: Nonstandard section

5 Packer: UPX

5 PE: Contains compressed section

Static Events

Anomaly: PE: Contains a virtual section

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

Packer:

Process/Thread Events

Creates process: C:\windows\temp\5707475dc2b4470cb1ec56f978fbe4bd.exe

["C:\windows\temp\5707475dc2b4470cb1ec56f978fbe4bd.exe"]

Named Object Events

Creates mutex: \Sessions\1\BaseNamedObjects\DBWinMutex

Creates mutex:

Creates semaphore:

Creates semaphore:

\Sessions\1\BaseNamedObjects\5707475dc2b4470cb1ec56f978fbe4bd.exeElYuqrE3

Creates mutex: \Sessions\1\BaseNamedObjects\CicLoadWinStaWinSta0

\Sessions\1\BaseNamedObjects\MSCTF.CtfMonitorInstMutexDefault1 Creates mutex: Creates event: \Sessions\1\BaseNamedObjects\MSCTF.CtfActivated.Default1

Creates event: \KernelObjects\MaximumCommitCondition

Creates semaphore: $\verb|\Sessions| 1 \\ BaseNamedObjects \\ INI-5707475dc2b4470cb1ec56f978fbe4bd.data| \\$

Creates semaphore: \Sessions\1\BaseNamedObjects\GR_FileChecker

Creates semaphore: \Sessions\1\BaseNamedObjects\GRO

Creates semaphore: \Sessions\1\BaseNamedObjects\GR_FlushingList Creates semaphore: \Sessions\1\BaseNamedObjects\GR_Write Creates semaphore: \Sessions\1\BaseNamedObjects\GR_GErrMsg

\Sessions\1\BaseNamedObjects\GR1 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR2 Creates semaphore: \Sessions\1\BaseNamedObjects\GR3 \Sessions\1\BaseNamedObjects\GR4 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR5 Creates semaphore: \Sessions\1\BaseNamedObjects\GR6 \Sessions\1\BaseNamedObjects\GR7 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR8 Creates semaphore: \Sessions\1\BaseNamedObjects\GR9 \Sessions\1\BaseNamedObjects\GR10 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR11 Creates semaphore: \Sessions\1\BaseNamedObjects\GR12 \Sessions\1\BaseNamedObjects\GR13 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR14 Creates semaphore: \Sessions\1\BaseNamedObjects\GR15 \Sessions\1\BaseNamedObjects\GR16 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR17 \Sessions\1\BaseNamedObjects\GR18 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR19 \Sessions\1\BaseNamedObjects\GR20 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR21 Creates semaphore: \Sessions\1\BaseNamedObjects\GR22 Creates semaphore: \Sessions\1\BaseNamedObjects\GR23 Creates semaphore: \Sessions\1\BaseNamedObjects\GR24 Creates semaphore: \Sessions\1\BaseNamedObjects\GR25 \Sessions\1\BaseNamedObjects\GR26 Creates semaphore: \Sessions\1\BaseNamedObjects\GR27 Creates semaphore:

\Sessions\1\BaseNamedObjects\GR28

\Sessions\1\BaseNamedObjects\GR29

\Sessions\1\BaseNamedObjects\GR30 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR31 \Sessions\1\BaseNamedObjects\GR32 Creates semaphore: \Sessions\1\BaseNamedObjects\GR33 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR34 Creates semaphore: \Sessions\1\BaseNamedObjects\GR36 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR37 Creates semaphore: \Sessions\1\BaseNamedObjects\GR38 Creates semaphore: \Sessions\1\BaseNamedObjects\GR39 \Sessions\1\BaseNamedObjects\GR40 Creates semaphore: Creates semaphore: $\Sessions\1\BaseNamedObjects\GR41$ Creates semaphore: \Sessions\1\BaseNamedObjects\GR42 \Sessions\1\BaseNamedObjects\GR43 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR44 Creates semaphore: \Sessions\1\BaseNamedObjects\GR45 \Sessions\1\BaseNamedObjects\GR46 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR47 Creates semaphore: \Sessions\1\BaseNamedObjects\GR48 Creates semaphore: \Sessions\1\BaseNamedObjects\GR49 Creates semaphore: \Sessions\1\BaseNamedObjects\GR50 Creates semaphore: \Sessions\1\BaseNamedObjects\GR51 \Sessions\1\BaseNamedObjects\GR52 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR53 Creates semaphore: \Sessions\1\BaseNamedObjects\GR54 Creates semaphore: \Sessions\1\BaseNamedObjects\GR55 Creates semaphore: \Sessions\1\BaseNamedObjects\GR56 Creates semaphore: \Sessions\1\BaseNamedObjects\GR57 Creates semaphore: \Sessions\1\BaseNamedObjects\GR58 Creates semaphore: \Sessions\1\BaseNamedObjects\GR59 Creates semaphore: \Sessions\1\BaseNamedObjects\GR60 \Sessions\1\BaseNamedObjects\GR61 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR62 Creates semaphore: \Sessions\1\BaseNamedObjects\GR63 \Sessions\1\BaseNamedObjects\GR64 Creates semaphore: Creates semaphore: $\Sessions\1\BaseNamedObjects\GR65$ \Sessions\1\BaseNamedObjects\GR66 Creates semaphore: \Sessions\1\BaseNamedObjects\GR67 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR68 Creates semaphore: \Sessions\1\BaseNamedObjects\GR69 \Sessions\1\BaseNamedObjects\GR70 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR71 \Sessions\1\BaseNamedObjects\GR72 Creates semaphore: \Sessions\1\BaseNamedObjects\GR73 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR74 \Sessions\1\BaseNamedObjects\GR75 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR76 Creates semaphore: \Sessions\1\BaseNamedObjects\GR77 Creates semaphore: \Sessions\1\BaseNamedObjects\GR78 Creates semaphore: \Sessions\1\BaseNamedObjects\GR79 \Sessions\1\BaseNamedObjects\GR80 Creates semaphore: \Sessions\1\BaseNamedObjects\GR81 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR82 \Sessions\1\BaseNamedObjects\GR83 Creates semaphore: \Sessions\1\BaseNamedObjects\GR84 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR85 \Sessions\1\BaseNamedObjects\GR86 Creates semaphore: \Sessions\1\BaseNamedObjects\GR87 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR88 $\verb|\Sessions|1\\BaseNamedObjects|GR89|$ Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR90 Creates semaphore: \Sessions\1\BaseNamedObjects\GR91 Creates semaphore: \Sessions\1\BaseNamedObjects\GR92 Creates semaphore: \Sessions\1\BaseNamedObjects\GR93 \Sessions\1\BaseNamedObjects\GR94 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR95 Creates semaphore: \Sessions\1\BaseNamedObjects\GR96 Creates semaphore: \Sessions\1\BaseNamedObjects\GR97 Creates semaphore: $\verb|\Sessions|1\BaseNamedObjects|| GR98||$ Creates semaphore: \Sessions\1\BaseNamedObjects\GR99 Creates semaphore: \Sessions\1\BaseNamedObjects\GR100

Creates semaphore: \Sessions\1\BaseNamedObjects\INI-5707475dc2b4470cb1ec56f978fbe4bd.data0

File System Events

Creates: C:\Users\Admin\AppData\Local\Microsoft\Windows\Caches
Creates: C:\Users

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

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

 $\label{lem:condition} Creates: $C:\Users\land Admin\land ppData\Roaming\GetRightToGo. $C:\Users\land Admin\land ppData\Roaming\GetRightToGo. $$C:\Users\land Admin\Admin\GetRightToGo. $$C:\Users\land Admin\Admin\GetRightToGo. $$C:\Users\land Admin\Admin\GetRightToGo. $$C:\Users\land Admin\Admin\GetRightToGo. $$C:\Users\land Admin\Admin\GetRightToGo. $$C:\Users\land Admin\Admin\GetRightToGo. $$C:\Users\land Admin\GetRightToGo. $$C:\Users\land Admin\GetRightToGo. $$C:\Users\land Admin\GetRightToGo. $$C:\Users\land Admin\GetRightToGo. $$C:\Users\land Admin\GetRightToGo. $$C:\Users\GetRightToGo. $$C:\Us$

Creates:

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Creates
C:\Users\Admin\AppData\Roaming\GetRightToGo\5707475dc2b4470cb1ec56f978fbe4bd.data0
                                              C:\Windows\Prefetch\5707475DC2B4470CB1EC56F978FBE-33C1147B.pf
   Opens:
   Opens:
                                              C:\Windows
   Opens:
                                              C:\Windows\System32\wow64.dll
                                              C:\Windows\System32\wow64win.dll
   Opens:
   Opens:
                                              C:\Windows\System32\wow64cpu.dll
   Opens:
                                              C:\Windows\system32\wow64log.dll
   Opens:
                                              C:\Windows\SysWOW64
   Opens:
                                              C:\Windows\SysWOW64\sechost.dll
   Opens:
                                              C: \verb|\windows\temp\5707475dc2b4470cb1ec56f978fbe4bd.exe.Local\\| |
   Opens:
                                              C:\Windows\winsxs\x86_microsoft.windows.common-
controls_6595b64144ccf1df_6.0.7601.17514_none_41e6975e2bd6f2b2
                                              C:\Windows\winsxs\x86_microsoft.windows.common-
   Opens:
controls_6595b64144ccf1df_6.0.7601.17514_none_41e6975e2bd6f2b2\comctl32.dll
   Opens:
                                              C:\windows\temp\oledlg.dll
   Opens:
                                              C:\Windows\SysWOW64\oledlg.dll
   Opens:
                                              C:\windows\temp\Secur32.dll
                                              C:\Windows\SysWOW64\secur32.dll
   Opens:
   Opens:
                                              C:\windows\temp\WINSPOOL.DRV
   Opens:
                                              C:\Windows\SysWOW64\winspool.drv
   Opens:
                                              C:\Windows\SysWOW64\imm32.dll
   Opens:
                                              C:\Windows\WindowsShell.Manifest
   Opens:
                                              C:\Windows\SysWOW64\uxtheme.dll
                                              C:\windows\temp\5707475dc2b4470cb1ec56f978fbe4bd.exe.2.Manifest
   Opens:
   Opens:
                                              C:\windows\temp\5707475dc2b4470cb1ec56f978fbe4bd.exe.3.Manifest
   Opens:
                                              C:\windows\temp\5707475dc2b4470cb1ec56f978fbe4bd.exe.Config
   Opens:
                                              C:\Windows\Temp\5707475dc2b4470cb1ec56f978fbe4bd.exe
   Opens:
                                              C:\windows\temp\5707475dc2b4470cb1ec56f978fbe4bd.exe.1000.Manifest
   Opens:
                                              C:\windows\temp\5707475dc2b4470cb1ec56f978fbe4bdENU.dll
   Opens:
                                              C:\windows\temp\5707475dc2b4470cb1ec56f978fbe4bdL0C.dll
   Opens:
   Opens:
                                              C:\Users\Admin\AppData\Local
   Opens:
                                              C:\Windows\SysWOW64\tzres.dll
   Opens:
                                              C:\Windows\SysWOW64\en-US\tzres.dll.mui
   Opens:
                                              C:\Windows\Fonts\tahoma.ttf
   Opens:
                                              C:\windows\temp\dwmapi.dll
   Opens:
                                              C:\Windows\SysWOW64\dwmapi.dll
   Opens:
                                              C:\Windows\Globalization\Sorting\SortDefault.nls
                                              C:\Windows\SysWOW64\ole32.dll
   Opens:
   Opens:
                                              C:\Windows\SysWOW64\rpcss.dll
   Opens:
                                              C:\Windows\Fonts\StaticCache.dat
   Opens:
                                              C:\Windows\SysWOW64\shell32.dll
   Opens:
                                              C:\Users\Admin\Desktop
   Opens:
                                              C:\Windows\SysWOW64\propsys.dll
   Opens:
                                              \label{local-Microsoft-Windows-Caches-Constant} C: \Users \land Admin \land App Data \land Local \land Microsoft \land Windows \land Caches \land 
   Opens:
                                              C:\windows\temp\ntmarta.dll
                                              C:\Windows\SysWOW64\ntmarta.dll
   Opens:
   Opens:
                                              C:\Users\Admin\AppData\Local\Microsoft\Windows\Caches\{AFBF9F1A-8EE8-
4C77-AF34-C647E37CA0D9}.1.ver0x000000000000001.db
                                              C:\Users\desktop.ini
   Opens:
                                              C:\Windows\SysWOW64\en-US\setupapi.dll.mui
   Opens:
   Opens:
   Opens:
                                              C:\Users\Admin
                                              C:\Users\Admin\Desktop\desktop.ini
   Opens:
                                              C:\Users\Admin\AppData\Roaming
   Opens:
                                              C:\Users\Admin\AppData
   Opens:
                                              C:\Users\Admin\AppData\Roaming\GetRightToGo
   Opens:
   Opens:
C:\Users\Admin\AppData\Roaming\GetRightToGo\5707475dc2b4470cb1ec56f978fbe4bd.data
   Opens:
                                              C:\Windows\Temp
   Opens:
C:\Users\Admin\AppData\Roaming\GetRightToGo\5707475dc2b4470cb1ec56f978fbe4bd.data0
   Opens:
                                              C:\Users\Admin\Desktop\Downloads\
   Opens:
                                              C:\Users\Admin\Documents
   Opens:
                                              C:\Users\Admin\Documents\desktop.ini
                                              C:\Users\Public\Desktop
   Opens:
   Opens:
                                              C:\Users\Public\desktop.ini
                                              C:\Users\Public
   Opens:
                                              C:\Users\Public\Desktop\desktop.ini
   Opens:
   Opens:
                                              C:\Windows\Fonts\sserife.fon
   Writes to:
C:\Users\Admin\AppData\Roaming\GetRightToGo\5707475dc2b4470cb1ec56f978fbe4bd.data
C: \verb|Vsers| Admin| AppData| Roaming \\ GetRightToGo\\ \\ 5707475dc2b4470cb1ec56f978fbe4bd.data0
   Reads from:
                                              C:\Windows\Fonts\StaticCache.dat
   Reads from:
                                              C:\Users\desktop.ini
   Reads from:
                                              C:\Users\Admin\Desktop\desktop.ini
   Reads from:
                                              C:\Windows\Temp\5707475dc2b4470cb1ec56f978fbe4bd.exe
C:\Users\Admin\AppData\Roaming\GetRightToGo\5707475dc2b4470cb1ec56f978fbe4bd.data
```

Reads from:

C:\Users\Admin\AppData\Roaming\GetRightToGo\5707475dc2b4470cb1ec56f978fbe4bd.data

C:\Users\Admin\AppData\Roaming\GetRightToGo\5707475dc2b4470cb1ec56f978fbe4bd.data0

C:\Users\Admin\Documents\desktop.ini Reads from: Reads from: C:\Users\Public\desktop.ini Reads from: C:\Users\Public\Desktop\desktop.ini

Windows Registry Events

Creates key: HKCU\software\headlight

Creates key: HKCU\software\headlight\getrighttogo

Creates key: HKCU\software\headlight\getrighttogo\sharedconfig Creates key: HKCU\software\headlight\getrighttogo\customizedapps

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

options

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

HKLM\software\microsoft\wow64 Opens key:

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

execution options

Opens kev: HKLM\system\currentcontrolset\control\terminal server Opens key: Opens key: HKLM\system\currentcontrolset\control\srp\gp\dll

Opens key:

HKLM\software\wow6432node\policies\microsoft\windows\safer\codeidentifiers

HKLM\software\policies\microsoft\windows\safer\codeidentifiers Opens key: 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 HKLM\system\currentcontrolset\control\mui\uilanguages Opens key: Opens key: HKLM\system\currentcontrolset\control\mui\uilanguages\en-us Opens key: HKLM\system\currentcontrolset\control\mui\uilanguages\pendingdelete

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

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

Opens key: HKCU\

 $\label{thm:local_machine} \begin{tabular}{ll} HKCU\control panel\desktop\muicached\machinelanguageconfiguration \\ \end{tabular}$ Opens key: Opens key: HKLM\system\currentcontrolset\control\mui\settings\languageconfiguration

Opens key: HKCU\software\policies\microsoft\control panel\desktop Opens kev: ${\it HKCU} \ control\ panel\ desktop\ language configuration$

Opens key: HKCU\control panel\desktop

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Opens key:

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

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

nt\currentversion\diagnostics

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

nt\currentversion\gre_initialize

HKLM\software\wow6432node\microsoft\windows Opens key: nt\currentversion\compatibility32

Opens key:

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

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

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

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

Opens key: HKCU\software\classes\

Opens key: HKCU\software\classes\wow6432node\clsid

Opens key: HKCR\wow6432node\clsid

Opens key: $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \policies \explorer \end{tabular}$ Opens key: HKCU\software\microsoft\windows\currentversion\policies\network Opens key: HKCU\software\microsoft\windows\currentversion\policies\comdlg32

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

Opens key: HKLM\system\currentcontrolset\control\cmf\config

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

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

Opens key: HKLM\system\currentcontrolset\control\computername\activecomputername

Opens key: HKLM\system\setup

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:

 $HKLM \ software \ wow 6432 node \ microsoft \ ctf \ compatibility \ 5707475 dc 2b4470 cb1ec56f978 fbe4bd. execond \ microsoft \ compatibility \ compatibilit$ Opens key:

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 $HKLM \verb|\software\\| wow 6432 node \verb|\microsoft\\| ctf \verb|\software\\|$ Opens key:

Opens key: HKLM\software\wow6432node\microsoft\ctf\knownclasses

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

Opens key: HKLM\software\microsoft\windows

nt\currentversion\languagepack\datastore_v1.0

HKLM\software\microsoft\windows Opens kev:

nt\currentversion\languagepack\surrogatefallback HKLM\software\microsoft\windows Opens kev: nt\currentversion\languagepack\surrogatefallback\ms shell dlg 2 Opens key: HKLM\software\policies\microsoft\sqmclient\windows HKLM\software\microsoft\sqmclient\windows Opens key: Opens key: $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \setminus parameters$ Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\appid_catalog Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\appid_catalog\0f9f3ff3 Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9 Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\00000005 Opens key: $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap col_catalog 9 \setminus catalog_entries$ Opens key: Opens key: Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000003 Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000004 Opens key: Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000007 HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000008 Opens key: Opens key: $HKLM \land system \land current control set \land services \land winsock 2 \land parameters \land protocol_catalog9 \land catalog_entries \land 000000000010 \land parameters \land protocol_catalog9 \land catalog_entries \land 0000000000010 \land parameters \land para$ HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5 Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\00000028 Opens key: Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000001 Opens key: Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004 Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005 Opens kev: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006 Opens key: HKLM\software\wow6432node\microsoft\windows\currentversion\policies\explorer Opens key: HKLM\software\microsoft\windows\currentversion\policies\explorer Opens kev: Opens key: HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions Opens key: db2c-424c-b029-7fe99a87c641} Opens kev: db2c-424c-b029-7fe99a87c641}\propertybag HKCU\software\microsoft\windows\currentversion\explorer Opens key: Opens key: HKCU\software\microsoft\windows\currentversion\explorer\sessioninfo\1 Opens key: HKCU\software\microsoft\windows\currentversion\explorer\sessioninfo\1\knownfolders Opens key: HKCU\software\microsoft\windows\currentversion\explorer\user shell folders Opens kev: HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\knownfoldersettings Opens key: HKCU\software\classes\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-08002b30309d}\shellfolder Opens key: HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-

Opens key: $HKLM\software\wow6432 node\microsoft\windows\currentversion\explorer\clsid\{20d04fe0-3aea-1069-a2d8-08002b30309d}\shellfolder$

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08002b30309d}\shellfolder

3aea-1069-a2d8-08002b30309d}\shellfolder

Opens key:

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

Opens key:

HKLM\software\wow6432node\microsoft\windows\currentversion\policies\nonenum

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

Opens kev:

 $HKCU \ software \ microsoft \ windows \ current version \ (explorer \ mountpoints 2 \ cpc \ volume) \ description \ descriptio$

Opens kev:

 $HKCU \ software \ microsoft \ windows \ current version \ explorer \ mountpoints \ 2 \ cpc \ volume \ 13-606 \ and \ 4-8213-606 \ and \ 4-8213-6$

11e3-a68e-806e6f6e6963}\

Opens key: HKCU\software\classes\drive\shellex\folderextensions

Opens key: HKCR\drive\shellex\folderextensions

Opens key: $HKCU \setminus software \land classes \land drive \land shellex \land folder extensions \land \{fbeb8a05-beee-beed extensions \land \{fbeb8a05-beed extensions \} \}$

4442-804e-409d6c4515e9}

HKCR\drive\shellex\folderextensions\{fbeb8a05-beee-4442-804e-Opens key:

409d6c4515e9}

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

Opens kev: HKLM\software\policies\microsoft\windows\explorer Opens key: HKCU\software\policies\microsoft\windows\explorer

Opens key: HKLM\software\microsoft\com3

Opens key: HKCU\software\classes\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-

b8dc300d9f9d}

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b8dc300d9f9d}\treatas Opens key:

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Opens key: HKCR\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d} Opens key: HKCU\software\classes\clsid\{1f486a52-3cb1-48fd-8f50-

b8dc300d9f9d}\progid

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HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-Opens key:

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HKCU\software\classes\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-Opens key:

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

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HKCU\software\microsoft\windows\currentversion\explorer\advanced Opens kev: HKLM\software\wow6432node\microsoft\windows\currentversion\setup Opens key: Opens key: HKLM\software\wow6432node\microsoft\windows\currentversion

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HKCU\software\microsoft\windows\shell\associations\urlassociations\directory

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Opens key: HKCR\directorv

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HKCR\directory\curver Opens key:

Opens key: HKCR\directory\

Opens key: HKCU\software\classes\directory\shellex\iconhandler

Opens key: HKCR\directory\shellex\iconhandler Opens key: HKCU\software\classes\folder

Opens key: HKCR\folder

HKCU\software\classes\folder\shellex\iconhandler Opens key:

Opens key: HKCR\folder\shellex\iconhandler

Opens key: HKCU\software\classes\allfilesystemobjects

Opens key: ${\tt HKCR} \verb|\| all file system objects$

Opens key: HKCU\software\classes\allfilesystemobjects\shellex\iconhandler

Opens key: HKCR\allfilesystemobjects\shellex\iconhandler Opens key: HKCU\software\classes\directory\docobject Opens key: HKCR\directory\docobject

Opens key: HKCU\software\classes\folder\docobject Opens key: HKCR\folder\docobject

Opens key:

HKCU\software\classes\allfilesystemobjects\docobject

Opens kev: HKCR\allfilesystemobjects\docobject

Opens key: HKCU\software\classes\directory\browseinplace

Opens key: HKCR\directory\browseinplace

Opens key: HKCU\software\classes\folder\browseinplace

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Opens key: HKCR\directory\clsid

Opens key: HKCU\software\classes\folder\clsid

Opens key: HKCR\folder\clsid

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Opens key: HKCR\allfilesystemobjects\clsid

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

Opens key: HKLM\software\wow6432node\policies\microsoft\windows nt\rpc

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

Opens key:

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Opens key:

 $\label{thm:local-basis} HKLM \software \wow 6432 node \microsoft \windows \current version \explorer \folder descriptions \footnote{1} \footnote{1} \footnote{2} \footnote{2$

Opens key:

b587-4786-b4ef-bd1dc332aeae \propertybag

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Opens key: HKLM\software\policies\microsoft\windows\system

Opens key: HKLM\software\microsoft\windows nt\currentversion\languagepack\surrogatefallback\segoe ui

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 $\label{local-bound} HKLM\software\wow6432 node\microsoft\windows\currentversion\explorer\folderdescriptions\f(fdd39ad0-238f-46af-adb4-6c85480369c7)$

Opens key:

 $HKLM \ software \ wow 6432 node \ icrosoft \ windows \ current version \ explorer \ folder descriptions \ \{fdd 39ad 0-238f-46af-adb 4-6c85480369c7\} \ property bag$

Opens key: HKCU\software\classes\wow6432node\clsid\{59031a47-3f72-44a7-89c5-

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Opens key: HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-

5595fe6b30ee}\shellfolder

Opens key: $\label{thm:local-sum} HKCU \setminus software \ensurement \ensurement \ensurement \ensurement} HKCU \setminus software \ensurement \ensuremen$

8†72-44a7-89c5-5595†e6b30ee}\shell† Opens key:

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\clsid\{59031a47-3f72-44a7-

89c5-5595fe6b30ee}\shellfolder

Opens key:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{c4aa340d-f20f-4863-afef-f87ef2e6ba25\}$

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 $\label{thm:local-state} HKLM \software \wow 6432 node \microsoft \windows \current version \explorer \folder descriptions \current \curr$

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\user

shell folders

Opens key: HKLM\software\microsoft\windows nt\currentversion\languagepack\surrogatefallback\ms sans serif

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

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

Queries value:

 $\label{lem:hklmsoftware} HKLM\software\policies\microsoft\windows\safer\codeidentifiers[transparentenabled] \\ Queries\ value: HKLM\system\currentcontrolset\control\nls\customlocale[empty]$

Queries value:

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Queries value: HKLM\system\currentcontrolset\control\mui\uilanguages\en-

us[alternatecodepage]

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

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

Queries value:

 $HKLM \verb|\software| wow 6432 node \verb|\microsoft| windows \verb|\currentversion| side by side [preferex ternal manifest]| and the side by side by side [preferex ternal manifest]| and the side by side by side by side by side by side by side$

Queries value: HKLM\system\currentcontrolset\control\nls\sorting\versions[]

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

nt\currentversion\windows[loadappinit_dlls]

Queries value: HKLM\software\microsoft\ole[pageallocatorusesystemheap]
Queries value: HKLM\software\microsoft\ole[pageallocatorsystemheapisprivate]
Queries value: HKLM\system\currentcontrolset\control\nls\customlocale[en-us]
Queries value: HKLM\system\currentcontrolset\control\nls\extendedlocale[en-us]

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Oueries value:
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  Oueries value:
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  Oueries value:
  Oueries value:
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  Queries value:
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Ofb58b01c4a4}\languageprofile\0x00000000\{0001bea3-ed56-483d-a2e2-aeae25577436}[enable]
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                                  HKLM\software\microsoft\windows
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\verb|nt\currentversion\languagepack\surrogatefallback[plane1]|
                                  HKLM\software\microsoft\windows
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  Oueries value:
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  Oueries value:
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  Oueries value:
HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ namespace\_catalog 5 [serial\_access\_num]
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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]
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- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[providerid]
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 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]
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- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[version]
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- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[storesserviceclassinfo] Oueries value:
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 Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[librarypath]
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- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000005[providerid]
 Oueries value:

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HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap amespace\_catalog 5 \setminus catalog\_entries \setminus 0000000000005[supported namespace]
       Oueries value:
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       Queries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ namespace\_catalog \ services \ (version) \ and \ services \ (version) \ and \ (
       Queries value:
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       Queries value:
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 $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space_catalog5 \ (catalog_entries \ 000000000006 [library path])$ Queries value:

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 $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap ameters \setminus namespace_catalog S \setminus catalog_entries \setminus 0000000000006[providerid]$ Queries value:

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Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006[enabled] Queries value:

 $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ namespace_catalog \ set alog_entries \ (0000000000006 \ [version]) \ details \$

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000006[storesserviceclassinfo] Queries value:

Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters[ws2_32numhandlebuckets]

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

HKLM\software\microsoft\windows\currentversion\policies\explorer[nopropertiesrecyclebin] Queries value:

 $HKLM \verb|\software\microsoft\windows\currentversion\policies\explorer[nocontrolpanel]|$

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

Queries value:

HKLM\software\microsoft\windows\currentversion\policies\explorer[nointerneticon] Queries value:

 $HKLM \verb|\software\microsoft\windows\currentversion\policies\explorer[nocommongroups]|$

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{b4bfcc3adb2c-424c-b029-7fe99a87c641}[category]

Oueries value:

 $HKLM \setminus software \setminus wow 6432 \\ node \setminus microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{b4bfcc3a-bc1, b4bfcc3a-bc1, b4bfcc3a-bc1$ db2c-424c-b029-7fe99a87c641}[name]

Queries value:

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Oueries value:

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Oueries value:

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 $HKLM \setminus software \setminus wow 6432 \\ node \setminus microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{b4bfcc3a-bc1, b4bfcc3a-bc1, b4bfcc3a-bc1$ db2c-424c-b029-7fe99a87c641}[icon]

Queries value:

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 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{b4bfcc3a-b$ db2c-424c-b029-7fe99a87c641}[streamresource]

Queries value:

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Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ f$ db2c-424c-b029-7fe99a87c641}[roamable]

```
Oueries value:
HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b4bfcc3a-b
db2c-424c-b029-7fe99a87c641}[precreate]
   Queries 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]
                                             HKCU\software\microsoft\windows\currentversion\explorer\user shell
   Queries value:
folders[desktop]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[attributes]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Oueries value:
08002b30309d}\shellfolder[callforattributes]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[restrictedattributes]
                                              HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[wantsfordisplay]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Oueries value:
08002b30309d}\shellfolder[hidefolderverbs]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Oueries value:
08002b30309d}\shellfolder[usedrophandler]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[wantsforparsing]
   Oueries value:
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[wantsparsedisplayname]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Oueries value:
08002b30309d}\shellfolder[queryforoverlay]
                                              HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[mapnetdriveverbs]
   Oueries value:
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[queryforinfotip]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Oueries value:
08002b30309d}\shellfolder[hideinwebview]
   Oueries value:
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[hideondesktopperuser]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[wantsaliasednotifications]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Oueries value:
08002b30309d}\shellfolder[wantsuniversaldelegate]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Oueries value:
08002b30309d}\shellfolder[nofilefolderjunction]
   Queries value:
                                              HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[pintonamespacetree]
                                              HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Oueries value:
08002b30309d}\shellfolder[hasnavigationenum]
   Oueries value:
HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus policies \setminus nonenum[\{20d04fe0-3aea-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-1069-a2d8-10
08002b30309d}1
   Queries value:
HKCU\software\microsoft\windows\currentversion\explorer\mountpoints2\cpc\volume\{8063a3d4-8213-
11e3-a68e-806e6f6e6963}[data]
   Queries value:
11e3-a68e-806e6f6e6963}[generation]
                                              HKCR\drive\shellex\folderextensions\{fbeb8a05-beee-4442-804e-
409d6c4515e9}[drivemask]
   Queries value:
                                             HKLM\software\microsoft\com3[com+enabled]
   Queries value:
                                              HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d}[]
   Oueries value:
                                              HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-
b8dc300d9f9d}\inprocserver32[inprocserver32]
                                             HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-
   Oueries value:
b8dc300d9f9d}\inprocserver32[1
   Queries value:
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b8dc300d9f9d}\inprocserver32[threadingmodel]
                                             HKLM\software\microsoft\ole[maxsxshashcount]
   Oueries value:
   Queries value:
HKLM\system\currentcontrolset\control\lsa\accessproviders[martaextension]
                                             HKLM\system\currentcontrolset\services\ldap[ldapclientintegrity]
   Oueries value:
   Oueries value:
                                              HKLM\system\currentcontrolset\services\ldap[useoldhostresolutionorder]
```

Queries value: HKLM\software\microsoft\windows\currentversion\policies\explorer[dontshowsuperhidden]

HKLM\system\currentcontrolset\services\ldap[usehostnameasalias]

Queries value:

Queries value: HKCU\software\microsoft\windows\currentversion\explorer[shellstate]

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

Queries value:

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

Queries value:

 $HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus policies \setminus explorer [separate process]$

Oueries value:

 $HKLM \verb|\software\microsoft\windows\currentversion\policies\explorer[nonetcrawling]|$

Queries value:

 $HKLM \verb| software \verb| microsoft| windows \verb| current version \verb| policies \verb| explorer[nosimple startmenu]| \\$

Queries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[hidden]

Oueries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[showcompcolor]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[hidefileext]

Queries value:

Oueries value:

 $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \verb|\microsoft| windows \verb|\currentversion| explorer \verb|\advanced| [showinfotip] \\ \end{tabular}$

Queries value:

 $\label{thm:local_equation} \begin{tabular}{ll} HKCU \software \verb|\microsoft| windows \current version \explorer \advanced [hideicons] \end{tabular}$

Queries 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]

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[showsuperhidden]

Oueries value:

 $HKCU \ software \ microsoft \ windows \ current version \ explorer \ advanced \ [separate process]$

Queries value:

 $\label{thm:local_thm:loc$

Queries value:

Queries value:

HKCU\software\microsoft\windows\currentversion\explorer\advanced[iconsonly]

Queries value:

 $\label{thm:local_explorer_law} \begin{tabular}{ll} HKCU \software \verb|\microsoft| windows \verb|\currentversion| explorer \verb|\advanced[showtypeoverlay]| \\ \end{tabular}$

Queries value: HKLM\software\microsoft\windows\currentversion\setup[sourcepath] Queries value: HKLM\software\wow6432node\microsoft\windows\currentversion[devicepath]

Queries value: HKCR\directory[docobject]
Oueries value: HKCR\folder[docobject]

Queries value: HKCR\allfilesystemobjects[docobject]
Queries value: HKCR\directory[browseinplace]
Queries value: HKCR\folder[browseinplace]

Queries value: HKCR\allfilesystemobjects[browseinplace]

Queries value: HKCR\directory[isshortcut]
Oueries value: HKCR\folder[isshortcut]

Queries value: HKCR\allfilesystemobjects[isshortcut]
Queries value: HKCR\directory[alwaysshowext]
Queries value: HKLM\software\microsoft\rpc[maxrpcsize]

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

Queries value: HKCR\allfilesystemobjects[nevershowext]

Queries value: HKCU\software\headlight\getrighttogo\sharedconfig[useloadimage] Queries value: HKCU\software\headlight\getrighttogo\sharedconfig[doxpthemes]

Queries value:

 $\label{local-prop} HKL^M\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}\[category\]$

Queries value:

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

Queries value:

 $\label{lem:hklm} HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\fo$

Queries value:

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

Queries value:

 $\label{thm:hklm:software} HKLM\software\wow6432\node\microsoft\windows\currentversion\explorer\folderdescriptions\cdot {3eb685db-65f9-4cf6-a03a-e3ef65729f3d}[relative path]$

Queries value:

 $\label{lem:hklmsoftware} Wow6432 node \mbox{$\arrentversion} explorer \folder descriptions \folder \folder$

Queries value:

 $\label{lem:hklmsoftware} HKLM\software\wow6432 node\microsoft\windows\currentversion\explorer\folderdescriptions\folderdescri$

Queries value:

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

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{3eb685db-10explorer\} \ folder \ between the constant \ folder \ between the constant \ folder \ fold$

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

Queries value:

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

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\cal{lem:hklmsoftware} \end{substitute} folderdescriptions\cal{lem:hklmsoftware} folderdescriptions\cal{lem:hklmsoftware} \end{substitute} folderdescriptions\cal{lem:hklmsoftware} folderdescriptions\cal{lem:hklmsoftware$

Oueries value:

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

Oueries value:

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

Oueries value:

Queries value:

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

Queries value:

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

Oueries value:

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

Queries value:

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

Oueries value:

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

Queries value:

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

Queries value:

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

folders[appdata]

Queries value:

 $\label{lem:hcusoftwaremicrosoftwindows} In the constant of t$

Queries value:

 $\label{lem:hcu} HKCU\software\microsoft\windows\currentversion\explorer\mountpoints2\cpc\volume\{8063a3d3-8213-11e3-a68e-806e6f6e6963\}[generation]}$

Queries value:

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

Queries value:

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

Queries value:

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

Queries value:

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

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae\}\[relative\path]$

Queries value:

Queries value:

 $\label{local-basis} HKLM\software\wow6432 node\microsoft\windows\currentversion\explorer\folder descriptions\f(1b3ea5dc-b587-4786-b4ef-bd1dc332aeae)\footing$

Queries value:

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

Queries value:

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

Oueries value:

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

Queries value:

 $\label{lem:hklmsoftwarewow6432node\microsoft\windows\currentversion\explorer\\folderdescriptions\\\{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae\}[streamresource]$

Oueries value:

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

Queries value:

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

Queries value:

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Oueries value:

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Oueries value:

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Oueries value:

b587-4786-b4ef-bd1dc332aeae}[publishexpandedpath]

Oueries value:

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

Oueries value:

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Oueries value:

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 $\label{local-observation} \mbox{HKCU\software\mbox{\sc windows\currentversion\explorer\sc shell}} \label{local-observation}$ Queries value:

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Queries value:

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Queries value:

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HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{fdd39ad0-238f-46af-adb4-6c85480369c7}[parsingname]

 $HKLM \setminus software \setminus wow 6432 \\ node \setminus microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{fdd39ad0-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{fdd39ad0-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{fdd39ad0-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{fdd39ad0-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{fdd39ad0-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{fdd39ad0-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{fdd39ad0-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{fdd39ad0-microsoft \setminus windows \setminus current \\ descriptions \setminus \{fdd30ad0-m$ 238f-46af-adb4-6c85480369c7}[infotip]

238f-46af-adb4-6c85480369c7}[localizedname] Oueries value:

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Queries 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 \{c4aa340d-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{c4aa340d-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{c4aa340d-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{c4aa340d-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{c4aa340d-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{c4aa340d-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{c4aa340d-microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus folder \\ descriptions \setminus \{c4aa340d-microsoft \setminus windows \setminus current \\ descriptions \setminus \{c4aa340d-m
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Queries value:

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Queries value

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

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{c4aa340d-f20f-4863-afef-f87ef2e6ba25\} [stream]$

Queries value:

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

Queries value:

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Queries value:

 $\label{lem:hklm} HKLM \software \wow 6432 node \microsoft \windows \current version \explorer \folder descriptions \current \cu$

Queries value:

 $\label{limit} HKLM\software\wow6432 node\microsoft\windows\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescriptions\currentversion\explorer\folderdescription\ex$

Queries value: HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\user

shell folders[common desktop]

Queries value:

 $\label{lem:hklmsoftware} HKLM \software \mbox{$\operatorname{kexplorer[turnoffspianimations]}$} Sets/Creates \ value:$

HKCU\software\headlight\getrighttogo\customizedapps[5707475dc2b4470cb1ec56f978fbe4bd]

Sets/Creates value: HKCU\software\headlight\getrighttogo\sharedconfig[busypause]

Sets/Creates value: HKCU\software\headlight\getrighttogo\sharedconfig[filecache]

Sets/Creates value: HKCU\software\headlight\getrighttogo\sharedconfig[filecachekb]

Sets/Creates value: HKCU\software\headlight\getrighttogo\sharedconfig[rollback]

Sets/Creates value: HKCU\software\headlight\getrighttogo\sharedconfig[dotgetright]