# Malware Analysis Appliance by Blue Coat Systems, Inc.

#### Task Details

Host: mag2, Sample ID: 124, Task ID: 497

Task ID: 497 Risk Level:

Date Processed: 2016-04-28 13:00:55 (UTC)

Processing Time: 61.25 seconds Virtual Environment: IntelliVM

**Execution Arguments:** "c:\windows\temp\687e73cedc8a0deb1092b88e51bf3d72.exe"

Sample ID: Type: basic admin Owner:

687e73cedc8a0deb1092b88e51bf3d72 Label:

Date Added: 2016-04-28 12:45:02 (UTC)

PE32:win32:gui File Type: File Size: 368312 bytes

687e73cedc8a0deb1092b88e51bf3d72 MD5:

1678d7800accd2f19920552733c824ec4df1ef6f8be35e387e60510d794c17e1 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\687e73cedc8a0deb1092b88e51bf3d72.exe

["C:\windows\temp\687e73cedc8a0deb1092b88e51bf3d72.exe"]

## Named Object Events

Creates mutex: \Sessions\1\BaseNamedObjects\DBWinMutex

Creates mutex:

Creates semaphore:

\Sessions\1\BaseNamedObjects\687e73cedc8aOdeb1092b88e51bf3d72.exeIUEd6Dja

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:  $\verb|\Sessions| 1 \\ BaseNamedObjects \\ INI-687e73 cedc8a0 deb1092b88e51bf3d72.data \\ and baseNamedObjects \\ and bas$ 

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 Creates semaphore: \Sessions\1\BaseNamedObjects\GR4 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  $\verb|\Sessions|1| BaseNamedObjects| GR13|$ 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 Creates semaphore: \Sessions\1\BaseNamedObjects\GR18 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: 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 Creates semaphore: \Sessions\1\BaseNamedObjects\GR40 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: Creates semaphore: \Sessions\1\BaseNamedObjects\GR84 Creates semaphore: \Sessions\1\BaseNamedObjects\GR85 \Sessions\1\BaseNamedObjects\GR86 Creates semaphore: \Sessions\1\BaseNamedObjects\GR87 Creates semaphore: Creates semaphore: \Sessions\1\BaseNamedObjects\GR88 Creates semaphore: \Sessions\1\BaseNamedObjects\GR89 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-687e73cedc8a0deb1092b88e51bf3d72.data0

## File System Events

 $\label{lem:condition} {\it C:\Users\Admin\AppData\Local\Microsoft\Windows\Caches} \\$ 

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\AppData\Roaming\GetRightToGo. $C:\Users\land Admin\AppData\Roaming\GetRightToGo. $$C:\Users\land Admin\AppData\Roaming\GetRightToGo. $$C:\Users\Admin\AppData\Roaming\GetRightToGo. $$C:\Users\Admin\AppData\Roaming\GetRightToGo. $$C:\Users\Admin\AppData\Roaming\GetRightToGo. $$C:\Users\Admin\AppData\Roaming\GetRightToGo. $$C:\Users\Admin\AppData\Roaming\GetRightToGo. $$C:\Users\Admin\AppData\Roaming\App$ 

Creates:

```
C:\Users\Admin\AppData\Roaming\GetRightToGo\687e73cedc8a0deb1092b88e51bf3d72.data
   Creates
C:\Users\Admin\AppData\Roaming\GetRightToGo\687e73cedc8a0deb1092b88e51bf3d72.data0
                                              C:\Windows\Prefetch\687E73CEDC8A0DEB1092B88E51BF3-744D989C.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:\windows\temp\687e73cedc8a0deb1092b88e51bf3d72.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
   Opens:
                                              C:\Windows\SysWOW64\secur32.dll
   Opens:
                                              C:\windows\temp\WINSPOOL.DRV
   Opens:
                                              C:\Windows\SysWOW64\winspool.drv
                                              C:\Windows\SysWOW64\imm32.dll
   Opens:
   Opens:
                                              C:\Windows\WindowsShell.Manifest
   Opens:
                                              C:\Windows\SysWOW64\uxtheme.dll
                                              C:\windows\temp\687e73cedc8a0deb1092b88e51bf3d72.exe.2.Manifest
   Opens:
   Opens:
                                              C:\windows\temp\687e73cedc8a0deb1092b88e51bf3d72.exe.3.Manifest
   Opens:
                                              C:\windows\temp\687e73cedc8a0deb1092b88e51bf3d72.exe.Config
   Opens:
                                              C:\Windows\Temp\687e73cedc8a0deb1092b88e51bf3d72.exe
   Opens:
                                              C:\windows\temp\687e73cedc8a0deb1092b88e51bf3d72.exe.1000.Manifest
   Opens:
                                              C:\windows\temp\687e73cedc8a0deb1092b88e51bf3d72ENU.dll
   Opens:
                                              C:\windows\temp\687e73cedc8a0deb1092b88e51bf3d72L0C.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:\Users
   Opens:
   Opens:
                                              C:\Users\Admin
   Opens:
                                              C:\Users\Admin\Desktop\desktop.ini
                                              C:\Windows\SysWOW64\en-US\setupapi.dll.mui
   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\687e73cedc8a0deb1092b88e51bf3d72.data
   Opens:
                                              C:\Windows\Temp
   Opens:
C:\Users\Admin\AppData\Roaming\GetRightToGo\687e73cedc8a0deb1092b88e51bf3d72.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\687e73cedc8a0deb1092b88e51bf3d72.data
C: \verb|Vsers| Admin| AppData| Roaming \\ GetRightToGo \\ | 687e73cedc8a0deb1092b88e51bf3d72.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\687e73cedc8a0deb1092b88e51bf3d72.exe
C:\Users\Admin\AppData\Roaming\GetRightToGo\687e73cedc8a0deb1092b88e51bf3d72.data
```

Reads from:

C:\Users\Admin\AppData\Roaming\GetRightToGo\687e73cedc8a0deb1092b88e51bf3d72.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

Opens key: HKCU\control panel\desktop\muicached

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

Opens key:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ side by side \ as sembly storage roots$ 

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

Opens key: HKI M\

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: HKLM\software\wow6432node\microsoft\windows nt\currentversion\ime

compatibility

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:  $\label{lem:hkcu} \mbox{\tt HKCU\software\mbox{\tt microsoft\windows\currentversion\spaceshape}} \mbox{\tt policies\explorer} \mbox{\tt explorer} \mbox{\tt microsoft\windows\currentversion\spaceshape}} \mbox{\tt policies\explorer} \mbox{\tt explorer} \mbox{\tt$ Opens key: HKCU\software\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:

 $HKLM \ software \ wow 6432 node \ microsoft \ ctf \ compatibility \ 687e73 cedc 8a0 deb 1092b88e51bf3d72. exemple \ description \ descriptio$ Opens key:

 $0 fb 58b 01c 4a4 \} \\ language profile \\ 0x 000 000 000 \\ \{0001 bea 3-ed 56-483 d-a 2e 2-a ea e 25577436\} \\ language profile \\ 0x 000 000 000 \\ 10x 000 000$  $HKLM \setminus software \setminus microsoft \setminus tip \setminus \{0000897b - 83df - 4b96 - be07 - be07 - be07 - be18 - b$ Ofb58b01c4a4}\languageprofile\0x00000000\{0001bea3-ed56-483d-a2e2-aeae25577436}

 $HKLM \verb|\software\\| wow 6432 node \verb|\microsoft\\| ctf \verb|\software\\| wow 6432 node \verb|\microsoft\\| ctf \verb|\software\\| wow 6432 node \verb|\microsoft\\| ctf \verb|\software\\| ctf \>| c$ 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\338e8025 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:  $HKLM \land system \land current control set \land services \land winsock 2 \land parameters \land protocol\_catalog9 \land catalog\_entries \land 0000000000010 \land parameters \land protocol\_catalog9 \land catalog\_entries \land 0000000000010 \land parameters \land protocol\_catalog9 \land parameters \land protocol\_catalog9 \land parameters \land pa$ 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: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000000 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:  $\label{lem:hklmsoftware} HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\clsid\{20d04fe0-3aea-1069-a2d8-08002b30309d}\shellfolder$ 

 $HKCU \setminus software \setminus icrosoft \setminus windows \setminus current version \setminus explorer \setminus (20d04feo-block) + (20d04feo-block) +$ 

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:

 $HKCU \ software \ microsoft \ windows \ current version \ \ explorer \ \ mountpoints 2 \ \ cpc \ \ \ volume$ 

Opens kev:

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-

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Opens key: HKCR\directory\docobject

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

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 $HKCU \setminus software \setminus microsoft \setminus windows \setminus current version \setminus explorer \setminus clsid \setminus \{59031a47-algorithms \} \setminus \{59031a47-algorit$ Opens key:

3f72-44a7-89c5-5595fe6b30ee}\shellfolder

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

89c5-5595fe6b30ee}\shellfolder

Opens kev:

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{c4aa340df20f-4863-afef-f87ef2e6ba25}

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{c4aa340df20f-4863-afef-f87ef2e6ba25}\propertybag

Opens kev:

shell folders

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options[disableusermodecallbackfilter]

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manager[cwdillegalindllsearch]

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

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Oueries value:

HKLM\system\currentcontrolset\control\nls\language[installlanguagefallback]

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us[alternatecodepage]

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

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Queries value: HKLM\software\microsoft\windows nt\currentversion\gre\_initialize[disablemetafiles]

Queries value: HKLM\software\wow6432node\microsoft\windows nt\currentversion\compatibility32[687e73cedc8a0deb1092b88e51bf3d72] HKLM\software\wow6432node\microsoft\windows Oueries value:

nt\currentversion\windows[loadappinit\_dlls]

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

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- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5[num\_catalog\_entries]
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- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000001[librarypath]
   Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000001[displaystring]
  Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000001[providerid]
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- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000001[storesserviceclassinfo] Oueries value:
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Queries value:

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

Queries value:

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Queries value:

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Queries value:

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   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}[attributes]
   Oueries value:
db2c-424c-b029-7fe99a87c641}[foldertypeid]
   Oueries value:
db2c-424c-b029-7fe99a87c641}[initfolderhandler]
                                             HKCU\software\microsoft\windows\currentversion\explorer\user shell
   Oueries value:
folders[desktop]
   Queries value:
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08002b30309d}\shellfolder[attributes]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[callforattributes]
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   Queries value:
08002b30309d}\shellfolder[restrictedattributes]
                                            HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[wantsfordisplay]
                                            HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[hidefolderverbs]
   Queries value:
                                            HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[usedrophandler]
   Queries value:
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   Queries value:
08002b30309d}\shellfolder[wantsparsedisplayname]
                                            Oueries value:
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                                            HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[mapnetdriveverbs]
                                            HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries value:
08002b30309d}\shellfolder[quervforinfotip]
   Queries value:
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08002b30309d}\shellfolder[hideinwebview]
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
   Queries 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]
   Queries value:
                                            HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[pintonamespacetree]
   Queries value:
                                             HKCR\wow6432node\clsid\{20d04fe0-3aea-1069-a2d8-
08002b30309d}\shellfolder[hasnavigationenum]
   Oueries value:
HKLM\software\microsoft\windows\currentversion\policies\nonenum[{20d04fe0-3aea-1069-a2d8-
08002b30309d}]
  Queries value:
HKCU \ software \ icrosoft \ windows \ current version \ explorer \ mount points 2 \ cpc \ volume \ \{8063a3d4-8213-42444, and \ before \
11e3-a68e-806e6f6e6963}[data]
   Oueries value:
11e3-a68e-806e6f6e6963}[generation]
                                             HKCR\drive\shellex\folderextensions\{fbeb8a05-beee-4442-804e-
  Queries value:
409d6c4515e9}[drivemask]
   Queries value:
                                             HKLM\software\microsoft\com3[com+enabled]
                                             HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-b8dc300d9f9d}[]
   Oueries value:
   Queries value:
                                             HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-
b8dc300d9f9d}\inprocserver32[inprocserver32]
                                            HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-
   Oueries value:
b8dc300d9f9d}\inprocserver32[]
   Queries value:
                                            HKCR\wow6432node\clsid\{1f486a52-3cb1-48fd-8f50-
b8dc300d9f9d}\inprocserver32[threadingmodel]
   Queries value:
                                            HKLM\software\microsoft\ole[maxsxshashcount]
   Oueries value:
HKLM \verb|\system| current control \verb|\sa| access providers [marta extension]|
   Oueries value:
                                            HKLM\system\currentcontrolset\services\ldap[ldapclientintegrity]
   Queries value:
                                             HKLM \setminus system \setminus current control set \setminus services \setminus ldap [use old host resolution order]
   Oueries value:
                                             HKLM\system\currentcontrolset\services\ldap[usehostnameasalias]
```

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] Oueries value: HKLM\software\microsoft\windows\currentversion\policies\explorer[classicshell] Oueries value: HKLM\software\microsoft\windows\currentversion\policies\explorer[separateprocess] Oueries value: HKLM\software\microsoft\windows\currentversion\policies\explorer[nonetcrawling] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[hidden] Oueries value: Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[showcompcolor] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[hidefileext] HKCU\software\microsoft\windows\currentversion\explorer\advanced[dontprettypath] Queries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[showinfotip] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[hideicons] HKCU\software\microsoft\windows\currentversion\explorer\advanced[mapnetdrvbtn] Queries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[webview] HKCU\software\microsoft\windows\currentversion\explorer\advanced[filter] Queries value: Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[showsuperhidden] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[separateprocess] HKCU\software\microsoft\windows\currentversion\explorer\advanced[nonetcrawling] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[autocheckselect] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[iconsonly]  $\label{thm:linear} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \explorer \advanced \cite{tabular} is a constant \cite{tabular} and \cite{tabular} is a constant \cite{tabular} and \cite{tabular} is a constant \cite{tabular} is a constant \cite{tabular} and \$ Oueries value: HKCR\directory[docobject]

Queries value: HKCR\directory[docobject]

Queries 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]
Queries value: HKCR\folder[isshortcut]

Queries value: HKCR\allfilesystemobjects[isshortcut]

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

Queries value: HKCR\allfilesystemobjects[nevershowext]

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

Queries value: HKLM\software\microsoft\rpc[maxrpcsize]

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

Queries value:

 $\label{lem:hklmsoftwarewow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[category]} \\$ 

Queries value:

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

Queries value:

 $HKLM\software\wow6432$ node\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d}[parentfolder]

Queries value:

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

Queries value:

 $\label{lem:hklmsoftwarewow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[relative path]}$ 

Queries value:

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

Queries value:

 $HKLM\software\wow6432 node\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d}[infotip]$ 

Queries value:

 $HKCU software \verb|\microsoft| windows \verb|\currentversion| explorer \verb|\mountpoints2| cpc \verb|\volume| {8063a3d3-8213-11e3-a68e-806e6f6e6963} [data]$ 

 $\label{thm:local-bound} HKCU software \microsoft \windows \current version \explorer \mountpoints \colored \c$ 

Oueries value:

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

Oueries value:

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

Oueries value:

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

Oueries value:

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

Queries value:

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

Queries value

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

Queries value

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

Oueries value:

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

Oueries value

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

Oueries value:

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

Oueries value:

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

Queries value:

 $\label{lem:hklmsoftwarewow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{3eb685db-65f9-4cf6-a03a-e3ef65729f3d\}[foldertypeid]}$ 

Oueries value:

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

Queries value:

 $\label{local-objective} \begin{tabular}{ll} HKCU \software \verb|\microsoft| windows \current version \explorer \user shell \end{tabular}$ 

folders[appdata]

Queries value:

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

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:

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

Queries value:

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae}[relativepath]

Queries value:

 $HKLM\software\wow6432$ node\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae}[parsingname]

Queries value:

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae}[infotip]

Queries value:

 $\label{localized} HKLM \software \wow 6432 node \microsoft \windows \current version \explorer \folder descriptions \fill 1b3ea5dc-b587-4786-b4ef-bd1dc332 aeae \cite{localized} \cite{localized} \end{subarray} \label{localized}$ 

Queries value:

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

Queries value:

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

Queries value:

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

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\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae}[localredirectonly]

HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{1b3ea5dc-b587-4786-b4ef-bd1dc332aeae}[roamable]

Oueries value:

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

Oueries value:

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

Oueries value:

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

Oueries value

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

Queries value:

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

Queries value:

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

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

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

Oueries value:

HKLM\software\policies\microsoft\windows\system[copyfilebufferedsynchronousio]

Queries value: HKLM\software\policies\microsoft\windows\system[copyfilechunksize]
Queries value: HKLM\software\policies\microsoft\windows\system[copyfileoverlappedcount]

Queries value: HKCU\software\headlight\getrighttogo\sharedconfig[debug]

Queries value:

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

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\f(fdd39ad0-238f-46af-adb4-6c85480369c7)\cite{Abstraction}\cite{Abst$ 

Queries value:

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

Oueries value:

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

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm\soft\windows\currentversion\explorer\folderdescriptions\fdd39ad0-238f-46af-adb4-6c85480369c7\\ [relative path]$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{fdd 39ad 0-238f-46af-adb 4-6c85480369c7\} [parsing name]$ 

Queries value:

 $\label{lem:hklmsoftwarewow6432node\microsoft\windows\currentversion\explorer\\folderdescriptions\\fdd39ad0-238f-46af-adb4-6c85480369c7\\[infotip]$ 

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{fdd 39ad 0-238f-46af-adb 4-6c85480369c7\} [localized name]$ 

Queries value:

 $\label{lem:hklmsoftwarewow6432node} Hklm\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\f(fdd39ad0-238f-46af-adb4-6c85480369c7)\f(icon)\f(icon)\f$ 

Queries value:

 $\label{lem:hamman} $HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{fdd39ad0-238f-46af-adb4-6c85480369c7\}[security]$$ 

Queries value:

 $\label{lem:hklm} HKLM\software\wow6432 node\microsoft\windows\currentversion\explorer\folder descriptions\f(fdd39ad0-238f-46af-adb4-6c85480369c7)\[streamresource]$ 

Queries value:

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

Queries value:

 $\label{lem:hklmsoftwarewow6432node\microsoft\windows\currentversion\explorer\\folderdescriptions\\fdd39ad0-238f-46af-adb4-6c85480369c7\\[localredirectonly]$ 

Queries value:

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

Oueries value:

Oueries value:

 $\label{thm:local-bound} $HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{fdd39ad0-238f-46af-adb4-6c85480369c7\}[stream]}$ 

Oueries value:

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

Queries value:

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

Queries value:

 $HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \{fdd39ad0-microsoft \ windows \ explorer \ folder \ descriptions \ explorer \ folder \ descriptions \ explorer \ folder \ folder \ folder \ fines \ folder \ folder$ 

```
238f-46af-adb4-6c85480369c7}[foldertypeid]
   Oueries value:
238f-46af-adb4-6c85480369c7}[initfolderhandler]
   Oueries value:
                                             HKCU\software\microsoft\windows\currentversion\explorer\user shell
folders[personal]
   Queries value:
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
5595fe6b30ee}\shellfolder[attributes]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Queries value:
5595fe6b30ee}\shellfolder[callforattributes]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Oueries value:
5595fe6b30ee}\shellfolder[restrictedattributes]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Queries value:
5595fe6b30ee}\shellfolder[wantsfordisplay]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Queries value:
5595fe6b30ee}\shellfolder[hidefolderverbs]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Oueries value:
5595fe6b30ee}\shellfolder[usedrophandler]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Queries value:
5595fe6b30ee}\shellfolder[wantsforparsing]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Queries value:
5595fe6b30ee}\shellfolder[wantsparsedisplayname]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Oueries value:
5595fe6b30ee}\shellfolder[queryforoverlay]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Queries value:
5595fe6b30ee}\shellfolder[mapnetdriveverbs]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Queries value:
5595fe6b30ee}\shellfolder[queryforinfotip]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Oueries value:
5595fe6b30ee}\shellfolder[hideinwebview]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Oueries value:
5595fe6b30ee}\shellfolder[hideondesktopperuser]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Queries value:
5595fe6b30ee}\shellfolder[wantsaliasednotifications]
   Oueries value:
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
5595fe6b30ee}\shellfolder[wantsuniversaldelegate]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Oueries value:
5595fe6b30ee}\shellfolder[nofilefolderjunction]
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
   Queries value:
5595fe6b30ee}\shellfolder[pintonamespacetree]
   Queries value:
                                             HKCR\wow6432node\clsid\{59031a47-3f72-44a7-89c5-
5595fe6b30ee}\shellfolder[hasnavigationenum]
   Oueries value:
HKLM\software\microsoft\windows\currentversion\policies\nonenum[{59031a47-3f72-44a7-89c5-
5595fe6b30ee}1
   Queries value:
f20f-4863-afef-f87ef2e6ba25}[category]
   Oueries value:
HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{c4aa340d-
f20f-4863-afef-f87ef2e6ba25}[name]
   Oueries value:
f20f-4863-afef-f87ef2e6ba25}[parentfolder]
   Oueries value:
HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{c4aa340d-
f20f-4863-afef-f87ef2e6ba25}[description]
   Oueries value:
HKLM \ software \ wow 6432 node \ microsoft \ windows \ current version \ explorer \ folder descriptions \ \ \{c4aa340d-microsoft\ windows\ current \ version\ \ \}
f20f-4863-afef-f87ef2e6ba25}[relativepath]
   Queries value:
HKLM \label{lem:hklm} White the software \label{lem:hkklm} White the software \label{lem:hkk
f20f-4863-afef-f87ef2e6ba25}[parsingname]
   Oueries value:
f20f-4863-afef-f87ef2e6ba25}[infotip]
   Queries value:
HKLM \label{lem:hklm} White the software \label{lem:hkklm} White the software \label{lem:hkk
f20f-4863-afef-f87ef2e6ba25}[localizedname]
   Oueries value:
f20f-4863-afef-f87ef2e6ba25}[icon]
   Oueries value:
f20f-4863-afef-f87ef2e6ba25}[security]
   Oueries value:
f20f-4863-afef-f87ef2e6ba25}[streamresource]
   Oueries value:
HKLM\software\wow6432node\microsoft\windows\currentversion\explorer\folderdescriptions\{c4aa340d-
f20f-4863-afef-f87ef2e6ba25}[streamresourcetype]
   Oueries value:
```

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

f20f-4863-afef-f87ef2e6ba25}[localredirectonly]

Queries value:

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

Queries value:

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

Oueries value:

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

Oueries value:

Oueries value:

Queries value:

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

Queries value:

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

Queries value:  $HKLM\software\wow6432$ node\microsoft\windows\currentversion\explorer\user shell folders[common desktop]

Queries value:

 $HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus policies \setminus explorer[turn off spianimations]$ 

Sets/Creates value:

HKCU\software\headlight\getrighttogo\customizedapps[687e73cedc8a0deb1092b88e51bf3d72]

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]