Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details

Host: mag2, Sample ID: 3330, Task ID: 829

Task ID: 829 Risk Level: 10

Date Processed: 2016-05-18 10:43:22 (UTC)

Processing Time: 61.56 seconds Virtual Environment: IntelliVM

Execution Arguments: "c:\windows\temp\1b213953a4baf79fadfe9968cf3a1446.exe"

Sample ID: Type: admin Owner:

1b213953a4baf79fadfe9968cf3a1446 Label:

Date Added: 2016-05-18 10:30:51 (UTC)

File Type: PE32:win32:gui File Size: 565248 bytes

1b213953a4baf79fadfe9968cf3a1446 MD5:

3de393336565e1e6d500ce152e99281a2e3d785c3c41dc1a2f0c7b242c134e57 SHA256:

Description: None

Pattern Matching Results

10 Resolves malicious domain: Fosniw trojan

1 HTTP connection - response code 404 (file not found)

4 Checks whether debugger is present

Process/Thread Events

C:\windows\temp\1b213953a4baf79fadfe9968cf3a1446.exe Creates process:

["C:\windows\temp\1b213953a4baf79fadfe9968cf3a1446.exe"]

Named Object Events

Creates mutex \Sessions\1\BaseNamedObjects\DBWinMutex Creates event: \BaseNamedObjects\SvcctrlStartEvent_A3752DX

Creates event: \BaseNamedObjects\BFE_Notify_Event_{b7745c24-ab3d-40d8-b8a9-

8f1c7a3c83a2}

Reads from:

File System Events

C:\Windows\Prefetch\1B213953A4BAF79FADFE9968CF3A1-C996567E.pf Opens:

Opens: C:\Windows\System32

Opens: C:\Windows\System32\sechost.dll Opens: C:\windows\temp\NETAPI32.dll Opens: C:\Windows\System32\netapi32.dll Opens: C:\windows\temp\netutils.dll Opens: C:\Windows\System32\netutils.dll Opens: C:\windows\temp\srvcli.dll Opens: C:\Windows\System32\srvcli.dll Opens: C:\windows\temp\wkscli.dll Opens: C:\Windows\System32\wkscli.dll Opens: C:\Windows\System32\imm32.dll C:\Windows\System32\rpcss.dll Opens: Opens: C:\windows\temp\CRYPTBASE.dll Opens: C:\Windows\System32\cryptbase.dll ${\tt C:\Windows\System32\uxtheme.dll}$ Opens:

Opens: C:\Windows\Globalization\Sorting\SortDefault.nls

Opens: C:\windows\temp\netbios.dll C:\Windows\System32\netbios.dll Opens: Opens: C:\Windows\System32\mswsock.dll Opens: C:\Windows\System32\WSHTCPIP.DLL Opens: C:\Windows\System32\nlaapi.dll Opens: C:\Windows\System32\NapiNSP.dll Opens: C:\Windows\System32\pnrpnsp.dll C:\windows\temp\DNSAPI.dll Opens: Opens: C:\Windows\System32\dnsapi.dll C:\Windows\System32\winrnr.dll Opens: Opens: C:\windows\temp\IPHLPAPI.DLL Opens: C:\Windows\System32\IPHLPAPI.DLL C:\windows\temp\WINNSI.DLL Opens: Opens: C:\Windows\System32\winnsi.dll Opens: C:\windows\temp\dhcpcsvc6.DLL Opens: C:\Windows\System32\dhcpcsvc6.dll C:\windows\temp\dhcpcsvc.DLL C:\Windows\System32\dhcpcsvc.dll

Opens: Opens: Opens: C:\Windows\System32\drivers\etc\hosts Opens: C:\Windows\System32\FWPUCLNT.DLL Opens: C:\windows\temp\rasadhlp.dll Opens: C:\Windows\Svstem32\rasadhlp.dll

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

Network Events

```
DNS query:
                         appx.koreasys1.com
DNS query:
                         appx.koreasvs2.com
DNS query:
                         appx.koreasys3.com
DNS query:
                         appx.koreasys4.com
DNS query:
                         appx.koreasys5.com
DNS query:
                         appx.koreasys6.com
DNS query:
                         appx.koreasys7.com
DNS query:
                         appx.koreasys8.com
DNS query:
                         appx.koreasys9.com
DNS query:
                         appx.koreasys10.com
DNS query:
                         appx.koreasys11.com
DNS query:
                         appx.koreasys12.com
DNS query:
                         appx.koreasys13.com
DNS query:
                         appx.koreasys14.com
DNS query:
                         appx.koreasys15.com
DNS query:
                         appx.koreasys16.com
DNS query:
                         appx.koreasys17.com
DNS query:
                         appx.koreasys18.com
DNS query:
                         appx.koreasys19.com
DNS query:
                         appx.koreasys20.com
DNS query:
                         appx.koreasys21.com
DNS query:
                         appx.koreasys22.com
                         appx.koreasys23.com
DNS query:
DNS query:
                         appx.koreasys24.com
DNS query:
                         appx.koreasys25.com
DNS query:
                         appx.koreasys26.com
DNS query:
                         appx.koreasys27.com
DNS query:
                         appx.koreasys28.com
DNS query:
                         appx.koreasys29.com
DNS query:
                         appx.koreasys30.com
DNS query:
                         appx.koreasys31.com
DNS query:
                         appx.koreasys32.com
DNS query:
                         appx.koreasys33.com
DNS query:
                         appx.koreasys34.com
DNS query:
                         appx.koreasys35.com
DNS query:
                         appx.koreasys36.com
DNS query:
                         appx.koreasys37.com
DNS query:
                         appx.koreasys38.com
DNS query:
                         appx.koreasys39.com
DNS query:
                         appx.koreasys40.com
DNS query:
                         appx.koreasys41.com
DNS query:
                         appx.koreasys42.com
                         appx.koreasys43.com
DNS query:
DNS query:
                         appx.koreasys44.com
DNS query:
                         appx.koreasys45.com
DNS query:
                         appx.koreasys46.com
DNS query:
                         appx.koreasys47.com
DNS query:
                         appx.koreasys48.com
                         appx.koreasys1.com \Rightarrow 208.100.26.234
DNS response:
DNS response:
                         appx.koreasys3.com \Rightarrow 109.74.196.143
                         appx.koreasys4.com ⇒ 192.155.89.148
DNS response:
                         208.100.26.234:80
Connects to:
Connects to:
                         0.0.0.0:80
Connects to:
                         109.74.196.143:80
                         192.155.89.148:80
Connects to:
Sends data to:
                         8.8.8.8:53
                         appx.koreasys1.com:80 (208.100.26.234)
Sends data to:
                         appx.koreasys3.com:80 (109.74.196.143)
Sends data to:
Sends data to:
                         appx.koreasys4.com:80 (192.155.89.148)
Receives data from:
                         appx.koreasys1.com:80 (208.100.26.234)
Receives data from:
```

Windows Registry Events

Creates key:	<pre>HKLM\system\currentcontrolset\services\tcpip\parameters</pre>
Opens key:	HKLM\system\currentcontrolset\control\session manager
Opens key:	<pre>HKLM\system\currentcontrolset\control\safeboot\option</pre>
Opens key:	<pre>HKLM\system\currentcontrolset\control\srp\gp\dll</pre>
Opens key:	<pre>HKLM\software\policies\microsoft\windows\safer\codeidentifiers</pre>
Opens key:	HKCU\software\policies\microsoft\windows\safer\codeidentifiers
Opens key:	HKCU\
Opens key:	<pre>HKCU\control panel\desktop\muicached\machinelanguageconfiguration</pre>
Opens key:	<pre>HKLM\software\policies\microsoft\mui\settings</pre>
Opens key:	<pre>HKCU\software\policies\microsoft\control panel\desktop</pre>
Opens key:	HKCU\control panel\desktop\languageconfiguration
Opens key:	HKCU\control panel\desktop
Opens key:	<pre>HKCU\control panel\desktop\muicached</pre>
Opens key:	HKLM\software\microsoft\windows\currentversion\sidebyside
Opens key:	HKLM\system\currentcontrolset\control\nls\sorting\versions
Opens key:	<pre>HKLM\system\currentcontrolset\control\error message instrument\</pre>
Opens key:	HKLM\system\currentcontrolset\control\error message instrument

Opens key: HKLM\software\microsoft\windows nt\currentversion\gre_initialize Opens key: HKLM\software\microsoft\windows nt\currentversion\compatibility32 Opens key: HKLM\software\microsoft\windows nt\currentversion\ime compatibility Opens key: HKLM\software\microsoft\windows nt\currentversion\windows Opens key: Opens key: HKLM\software\microsoft\windows nt\currentversion\diagnostics Opens key: HKLM\software\microsoft\ole HKLM\software\microsoft\ole\tracing Opens key: Opens key: HKLM\system\currentcontrolset\services\lanmanworkstation\parameters Opens key: HKLM\software\policies\microsoft\sqmclient\windows Opens key: HKLM\software\microsoft\sqmclient\windows Opens key: $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \setminus parameters$ Opens key: HKLM\system\currentcontrolset\control\nls\customlocale Opens key: HKLM\system\currentcontrolset\control\nls\extendedlocale Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\appid_catalog Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\appid_catalog\043dd211 Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9 Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\00000019 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: $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap col_catalog \\ \setminus catalog \\ \setminus$ 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 Opens key: Opens key: Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000010 Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000011 Opens key: $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ protocol_catalog_entries \ \ 000000000012$ HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000013 Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000014 Opens kev: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000015 Opens key: Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000017 Opens kev: $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \cap services \setminus protocol_catalog9 \setminus catalog_entries \setminus 0000000000018$ HKLM\system\currentcontrolset\services\winsock2\parameters\namespace catalog5 Opens key: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\0000000c Opens kev: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries Opens kev: 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 kev: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003 Opens kev: HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004

Opens key: HKCU\software\d3dbfc041acf

Opens key: HKLM\system\currentcontrolset\services\winsock\parameters

Opens key: HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock

Opens key: HKLM\system\currentcontrolset\services\psched\parameters\winsock

Opens key: HKLM\system\currentcontrolset\services\winsock\setup migration\providers

Opens key: HKLM\system\currentcontrolset\services\winsock\setup

```
migration\providers\psched
                                   HKLM\system\currentcontrolset\services\tcpip\parameters\winsock
  Opens kev:
  Opens key:
                                   HKLM\system\currentcontrolset\services\winsock\setup
migration\providers\tcpip
  Opens kev:
                                   HKLM\software\microsoft\rpc
  Opens key:
                                   Opens key:
                                   HKLM\svstem\setup
                                   HKLM\software\policies\microsoft\windows nt\rpc
  Opens key:
  Opens key:
                                   HKLM\system\currentcontrolset\services\dnscache\parameters
  Opens key:
                                   HKLM\software\policies\microsoft\windows nt\dnsclient
  Opens key:
                                   HKLM\software\policies\microsoft\system\dnsclient
  Opens key:
                                   HKLM\system\currentcontrolset\control\sqmservicelist
  Opens key:
                                   HKLM\system\currentcontrolset\services\dnscache\parameters\dnscache
  Opens key:
                                   HKLM\system\currentcontrolset\services\dns
  Opens key:
                                   HKLM\software\policies\microsoft\windows nt\dnsclient\dnspolicyconfig
  Opens key:
HKLM\system\currentcontrolset\services\dnscache\parameters\dnspolicyconfig
  Opens key:
HKLM\system\currentcontrolset\services\tcpip6\parameters\interfaces\{128919e8-8a5e-41d1-ac17-
c19ce8a73253}
                                   HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces
  Opens key:
  Opens key:
c19ce8a73253}
  Opens key:
806e6f6e6963}
  Opens key:
HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{e29ac6c2-7037-11de-816d-
806e6f6e6963}
  Opens key:
1709a0196aed}
  Opens key:
\label{thm:local-problem} HKLM \xspace \xspace{2.5cm} HKLM \xspace \xspace{2.5cm} State \xspace{2.5cm} HKLM \xspace{2.5cm} State \xsp
a68f334c8d34}
  Opens kev:
                                   HKLM\system\currentcontrolset\services\tcpip\linkage
  Queries value:
                                   HKLM\system\currentcontrolset\control\session
manager[cwdillegalindllsearch]
  Queries value:
HKLM \setminus software \setminus policies \setminus microsoft \setminus windows \setminus safer \setminus code identifiers [transparentenabled]
                                   HKCU\control panel\desktop[preferreduilanguages]
  Queries value:
                                   HKCU\control panel\desktop\muicached[machinepreferreduilanguages]
  Oueries value:
  Queries value:
HKLM \verb|\software\microsoft\windows \verb|\currentversion\side| preferexternal manifest| \\
                                   HKLM\system\currentcontrolset\control\nls\sorting\versions[]
  Queries value:
  Oueries value:
                                  HKLM\system\currentcontrolset\control\session manager[safedllsearchmode]
  Queries value:
                                   HKLM\software\microsoft\windows
nt\currentversion\gre_initialize[disablemetafiles]
  Queries value:
                                  HKLM\software\microsoft\windows
nt\currentversion\compatibility32[1b213953a4baf79fadfe9968cf3a1446]
                                  HKLM\software\microsoft\windows
  Oueries value:
nt\currentversion\windows[loadappinit_dlls]
                                  HKLM\software\microsoft\ole[pageallocatorusesystemheap]
  Queries value:
                                  HKLM\software\microsoft\ole[pageallocatorsystemheapisprivate]
  Oueries value:
  Queries value:
HKLM\system\currentcontrolset\services\lanmanworkstation\parameters[rpccachetimeout]
                                  HKLM\software\microsoft\sqmclient\windows[ceipenable]
  Oueries value:
  Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[winsock_registry_version]
                                   HKLM\system\currentcontrolset\control\nls\customlocale[en-us]
  Queries value:
  Oueries value:
                                   Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[namespace_callout]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[serial_access_num]
  Queries value:
Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[num_catalog_entries]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000001[packedcatalogitem]
  Oueries value:
HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ protocol\_catalog \ entries \ 0000000000002 \ [packed catalog item]
  Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000003[packedcatalogitem]
```

 $\label{local-proposed} HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\0000000000006[packedcatalogitem]\\ Queries\ value:$

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000004[packedcatalogitem]

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000005[packedcatalogitem]

Queries value:

Oueries value:

Queries value:

- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000009[packedcatalogitem]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000010[packedcatalogitem]

 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000011[packedcatalogitem] Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000012[packedcatalogitem]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000013[packedcatalogitem]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000014[packedcatalogitem] Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000015[packedcatalogitem] Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000016[packedcatalogitem]
 Oueries value:
- $HKLM \system \current control set \services \winsock 2 \parameters \protocol_catalog 9 \catalog_entries \noon 00000000017 \[packed catalog item] \queries value:$
- HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000018[packedcatalogitem] Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5[serial_access_num]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5[num_catalog_entries]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[librarypath]
 Queries 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\000000000001[providerid]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000001[addressfamily] Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000001[supportednamespace]
 Oueries value:
- $HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ namespace_catalog 5 \ catalog_entries \ 000000000001 \ [enabled] \ Oueries \ value:$
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[version]
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000001[storesserviceclassinfo]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[providerinfo]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[librarypath]
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[displaystring]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[providerid]
 Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000002[addressfamily]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000002[supportednamespace]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[enabled]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[version]
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000002[storesserviceclassinfo]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000002[providerinfo]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000003[librarypath]
 Queries value:
- $HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ names pace_catalog 5 \ catalog_entries \ 0000000000003 \ [displaystring] \ Queries \ value:$
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[providerid]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000003[addressfamily]
 Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[supportednamespace]
 Queries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000003[enabled]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000003[version]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[storesserviceclassinfo]
 Oueries value:
- HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000003[providerinfo]
 Oueries value:

Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[displaystring]
Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[providerid]
Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000004[addressfamily]
Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000004[supportednamespace]
Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[enabled]
Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[version] Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[storesserviceclassinfo]
 Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000004[providerinfo]
 Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000005[librarypath]
Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[displaystring]
Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[providerid]
Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[addressfamily]
Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[supportednamespace]
Queries value:

 $\label{lem:hklmsystem} HKLM \system \current controls et \services \winsock 2 \parameters \namespace_catalog 5 \catalog_entries \namespace_catal$

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000005[version] Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000005[storesserviceclassinfo]

Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000005[providerinfo] Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006[librarypath]
Oueries value:

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

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000006[providerid]
Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006[addressfamily]
Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\0000000000006[supportednamespace]
Queries value:

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

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000006[version] Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\000000000006[storesserviceclassinfo]
 Oueries value:

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

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

Queries value:

 $HKLM \setminus system \setminus current control set \setminus services \setminus winsock 2 \setminus parameters [ws 2_32 spin count]$

Queries value: HKLM\system\currentcontrolset\services\winsock\parameters[transports]

Oueries value:

HKLM\system\currentcontrolset\services\tcpip6\parameters\winsock[mapping]

Queries value:

HKLM\system\currentcontrolset\services\psched\parameters\winsock[mapping]
Queries value: HKLM\system\currentcontrolset\services\winsock\setup

migration\providers\psched[winsock 2.0 provider id]

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

Queries value: HKLM\system\currentcontrolset\services\winsock\setup

migration\providers\tcpip[winsock 2.0 provider id]

Queries value:

HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[minsockaddrlength]

Queries value:

HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[maxsockaddrlength]

Queries value:

 $HKLM \setminus system \setminus current control set \setminus services \setminus tcpip \setminus parameters \setminus winsock [used elayed acceptance]$

Queries value:

HKLM\system\currentcontrolset\services\tcpip\parameters\winsock[helperdllname]

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

Queries value:

HKLM\system\currentcontrolset\control\computername[computername]

Queries value: HKLM\system\setup[oobeinprogress]
Queries value: HKLM\system\setup[systemsetupinprogress]

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

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

 Queries value:
 HKLM\system\currentcontrolset\control\sqmservicelist[sqmservicelist]

Queries value:

```
HKLM\system\currentcontrolset\services\dnscache\parameters\dnscache[shutdownonidle]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[queryadaptername]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disableadapterdomainname]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[usedomainnamedevolution]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[usedomainnamedevolution]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[domainnamedevolutionlevel]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[prioritizerecorddata]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[prioritizerecorddata]
 Queries value:
HKLM\svstem\currentcontrolset\services\dnscache\parameters[allowungualifiedguerv]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[allowunqualifiedquery]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[appendtomultilabelname]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[screenbadtlds]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[screenunreachableservers]
 Queries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [screen default servers]
 Queries value:
Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[filterclusterip]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[waitfornameerroronall]
                       HKLM\system\currentcontrolset\services\dnscache\parameters[useedns]
 Queries value:
 Oueries value:
HKLM \setminus system \setminus current control set \setminus services \setminus dnscache \setminus parameters [dnssecurename query fallback]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[enabledaforallnetworks]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[directaccessqueryorder]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[queryipmatching]
                       HKLM\system\currentcontrolset\services\dnscache\parameters[usehostsfile]
 Oueries value:
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[addrconfigcontrol]
 Queries value:
Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disabledynamicupdate]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerprimaryname]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registeradaptername]
 Queries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[enableadapterdomainnameregistration]
 Queries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registerreverselookup]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disablereverseaddressregistrations]
HKLM\system\currentcontrolset\services\dnscache\parameters[registerwanadapters]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[disablewandynamicupdate]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationttl]
HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationttl]
 Queries value:
Oueries value:
HKLM \setminus system \setminus current control set \setminus services \setminus tcpip \setminus parameters [default registration refreshinter val]
 Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[registrationmaxaddresscount]
 Queries value:
Oueries value:
HKLM\system\currentcontrolset\services\dnscache\parameters[updatesecuritylevel]
 Oueries value:
HKLM\system\currentcontrolset\services\tcpip\parameters[updatesecuritylevel]
 Oueries value:
Oueries value:
```

Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registrationoverwrite] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachesize] HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachettl] Queries value: Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[maxnegativecachettl] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[adaptertimeoutlimit] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[serverprioritytimelimit] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachedsockets] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[enablemulticast] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[multicastresponderflags] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[multicastsenderflags] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[dnstest] Queries value: Queries value: $HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [use compartments]$ Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[cacheallcompartments] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[usenewregistration] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[resolverregistration] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[resolverregistrationonly] Queries value: $HKLM \verb|\system| current controlset \verb|\services| dns cache \verb|\parameters[dns query time outs]|$ Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquerytimeouts] HKLM\system\currentcontrolset\services\dnscache\parameters[dnsquickquerytimeouts] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquickquerytimeouts] Queries value: c19ce8a73253}[searchlist] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{128919e8-8a5e-41d1-ac17c19ce8a73253}[enabledhcp] Queries value: c19ce8a73253}[registrationenabled] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{128919e8-8a5e-41d1-ac17c19ce8a73253}[registeradaptername] Oueries value: c19ce8a73253}[domain] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{128919e8-8a5e-41d1-ac17c19ce8a73253}[dhcpdomain] Oueries value: c19ce8a73253}[dhcpv6domain] Queries value: HKLM\system\currentcontrolset\services\tcpip6\parameters\interfaces\{128919e8-8a5e-41d1-ac17c19ce8a73253}[nameserver] Oueries value: c19ce8a73253}[nameserver] Queries value: c19ce8a73253}[dhcpnameserver] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{e29ac6c2-7037-11de-816d-806e6f6e6963}[enabledhcp] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{e29ac6c2-7037-11de-816d-806e6f6e6963}[registrationenabled] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{e29ac6c2-7037-11de-816d-

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

806e6f6e6963}[registeradaptername]

Oueries value:

806e6f6e6963}[dhcpdomain]

Queries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '\{e29ac6c2-7037-11de-816d-806e6f6e6963\} \ [names erver]$

Queries value:

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

Queries value:

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

Queries value:

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

Oueries value:

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

Queries value:

 $\label{local-equation} HKLM \system \current control set \services \true interfaces \end{128919e8-8a5e-41d1-ac17-c19ce8a73253} \ [maxnumber of addresses to register]$

Oueries value

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

Queries value:

 $HKLM \ system \ current controls et \ e29 ac 6c 2-7037-11 de-816 de 6f 6e 6f$

Queries value:

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

Queries value:

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

Oueries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '\{e29ac6c2-7037-11de-816d-806e6f6e6963\} \ [enable adapter domain name registration]$

Oueries value:

 $HKLM \ system \ `current control set \ 'services \ 'tcpip \ parameters \ 'interfaces \ '\{e29ac6c2-7037-11de-816d-806e6f6e6963\} \ [registration maxaddress count]$

Oueries value:

 $HKLM \ system \ current control set \ services \ tcpip \ parameters \ interfaces \ \{e29ac6c2-7037-11de-816d-806e6f6e6963\} \ [maxnumber of addresses to register]$

Queries value:

 $HKLM \ system \ current control set \ services \ tcpip \ parameters \ interfaces \ \{e29ac6c2-7037-11de-816d-806e6f6e6963\} \ [enablemulticast]$

Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[searchlist]
Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters[autodialdl]