# Malware Analysis Appliance by Blue Coat Systems, Inc.

Task Details

Host: mag2, Sample ID: 59, Task ID: 235

Task ID: 235 Risk Level:

Date Processed: 2016-04-28 12:53:42 (UTC)

Processing Time: 61.09 seconds Virtual Environment: IntelliVM

**Execution Arguments:** "c:\windows\temp\394c529a998f001b2544559ea85b0e07.exe"

Sample ID: Type: admin Owner:

394c529a998f001b2544559ea85b0e07 Label:

2016-04-28 12:44:55 (UTC) Date Added:

PE32:win32:gui File Type: File Size: 757856 bytes

394c529a998f001b2544559ea85b0e07 MD5:

fdf973b3a46c7aa7bbf3f4235cbf3b2d77247c11eedf287861d334ba4275e5ce SHA256:

Description: None

## Pattern Matching Results

2 PE: Nonstandard section

Packer: NSIS [Nullsoft Scriptable Install System]

#### Static Events

Anomaly: PE: Contains a virtual section

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

#### Process/Thread Events

C:\WINDOWS\Temp\394c529a998f001b2544559ea85b0e07.exe

["c:\windows\temp\394c529a998f001b2544559ea85b0e07.exe" ]

### Named Object Events

Creates mutex: \BaseNamedObjects\CTF.LBES.MutexDefaultS-1-5-21-1757981266-507921405-

1957994488-1003

Creates mutex: \BaseNamedObjects\CTF.Compart.MutexDefaultS-1-5-21-1757981266-507921405-1957994488-1003

Creates mutex:

\BaseNamedObjects\CTF.Asm.MutexDefaultS-1-5-21-1757981266-507921405-1957994488-1003

Creates mutex:

\BaseNamedObjects\CTF.Layouts.MutexDefaultS-1-5-21-1757981266-507921405-1957994488-1003

\BaseNamedObjects\CTF.TMD.MutexDefaultS-1-5-21-1757981266-507921405-

Creates mutex: 1957994488-1003

\BaseNamedObjects\CTF.TimListCache.FMPDefaultS-1-5-21-1757981266-Creates mutex:

507921405-1957994488-1003MUTEX.DefaultS-1-5-21-1757981266-507921405-1957994488-1003

\BaseNamedObjects\userenv: User Profile setup event Creates event:

Creates semaphore: \BaseNamedObjects\shell.{A48F1A32-A340-11D1-BC6B-00A0C90312E1} Creates semaphore: \BaseNamedObjects\shell.{7CB834F0-527B-11D2-9D1F-0000F805CA57} Creates semaphore: \BaseNamedObjects\shell.{210A4BA0-3AEA-1069-A2D9-08002B30309D}

# File System Events

Creates: C:\DOCUME~1\Admin\LOCALS~1\Temp\

Creates: C:\Documents and Settings\Admin\Local Settings\Temp\nsp1.tmp Creates: C:\Documents and Settings\Admin\Local Settings\Temp\nsw2.tmp C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp Creates:

C:\DOCUME~1 Creates:

C:\DOCUME~1\Admin Creates: C:\DOCUME~1\Admin\LOCALS~1 Creates: C:\DOCUME~1\Admin\LOCALS~1\Temp Creates:

C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp Creates:

C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\System.dll Creates:  $\label{lem:local_Settings} C:\Documents\ and\ Settings\Admin\Local\ Settings\Temp\nsw3.tmp\lua51.dll$ Creates:

C:\Documents and Settings\Admin\Local Creates:

Settings\Temp\nsw3.tmp\LuaXml\_lib.dll

C:\Documents and Settings\Admin\Local

Settings\Temp\nsw3.tmp\LuaBridge.dll

Creates: C:\Documents and Settings\Admin\Local

Settings\Temp\nsw3.tmp\definitions.lua

C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\utils.lua Creates:

Creates:  $\label{locals-1} C: \DOCUME-1\Admin\LOCALS-1\Temp\nsw3.tmp\LuaBridge.dll \\$ 

Creates: C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\LuaSocket

Creates: C:\Documents and Settings\Admin\Local

Settings\Temp\nsw3.tmp\LuaSocket\socket

C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\LuaSocket Creates:

C:\Documents and Settings\Admin\Local Creates:

Settings\Temp\nsw3.tmp\LuaSocket\mime

```
Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\LuaSocket\lua\mime.lua
 Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket.lua
 Creates
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\ltn12.lua
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\http.lua
 Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\ftp.lua
                          C:\Documents and Settings\Admin\Local
 Creates
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\tp.lua
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\smtp.lua
 Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\url.lua
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\LuaSocket\socket\core.dll
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\LuaSocket\mime\core.dll
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\LuaXml.lua
 Creates:
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\json.lua
 Creates:
 Creates:
                          {\tt C:\Documents\ and\ Settings\Admin\Local\ Settings\Temp\nsw3.tmp\luacom.dll}
 Creates:
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\Env.lua
                          {\tt C:\Documents\ and\ Settings\Admin\Local\ Settings\Temp\nsw3.tmp\Sandbox.lua}
 Creates:
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\BundleInstall.lua
                         C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\Downloads.lua
 Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\NotifyIcon.lua
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\CallbackProxy.lua
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\UiState.lua
 Creates:
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\ProcessFreeFile.lua
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\extension.tlb
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\GuiInit.lua
 Creates:
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\DownloadList.lua
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\Events.lua
 Creates:
 Creates:
                          C:\Documents and Settings\Admin\Local
{\tt Settings\Temp\nsw3.tmp\DownloadThread.lua}
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\System.dll
 Creates:
 Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\IntegratedOffer.lua
 Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\BrowserControl.lua
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\res
 Creates:
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\bullet
 Creates:
 Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\res\jquery.js
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\res\common.js
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\res\common.css
 Creates:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\res\knockout.js
                          C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\bullet
 Creates:
 Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\bullet\accept.png
                         C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\bullet\back.png
 Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\bullet\cancel.png
 Creates
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\bullet\close.png
                         C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\bullet\decline.png
 Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\bullet\next.png
 Creates:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\bullet\progress.gif
 Creates:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\bullet\progressPause.gif
                          C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\bullet\skin.jpg
 Creates:
                          C:\Documents and Settings\Admin\Local
```

```
Settings\Temp\nsw3.tmp\__localxml.xml
                         C:\Documents and Settings\Admin\Local
 Creates:
Settings\Temp\nsw3.tmp\AdvancedTests.lua
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\version.dll
 Creates:
 Creates:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\UACInfo.dll
                         {\tt C:\Documents\ and\ Settings\Admin\My\ Documents\My\ Videos}
 Creates:
                         C:\Documents and Settings\Admin\My Documents\My Videos\Desktop.ini
 Creates:
                         C:\Documents and Settings\Admin\Start Menu\Programs\Administrative Tools
 Creates:
                         C:\Documents and Settings\Admin\Start Menu\Programs\Administrative
 Creates:
Tools\desktop.ini
 Creates:
                         C:\WINDOWS\Resources\0409
 Creates:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\FloatingProgress.dll
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\FloatingProgress.dll
 Creates:
 Creates:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\
                                                                                          _web.xml
                         C:\WINDOWS\Prefetch\394C529A998F001B2544559EA85B0-109AC412.pf
 Opens:
 Opens:
                         C:\Documents and Settings\Admin
 Opens:
                         C:\WINDOWS\WinSxS\x86_Microsoft.Windows.Common-
Controls_6595b64144ccf1df_6.0.2600.5512_x-ww_35d4ce83
                         C:\WINDOWS\WinSxS\x86_Microsoft.Windows.Common-
 Opens:
Controls_6595b64144ccf1df_6.0.2600.5512_x-ww_35d4ce83\comctl32.dll
                         C:\WINDOWS\system32\imm32.dll
 Opens:
                         C:\WINDOWS\system32\shell32.dll
 Opens:
 Opens:
                         C:\WINDOWS\system32\SHELL32.dll.124.Manifest
 Opens:
                         C:\WINDOWS\system32\SHELL32.dll.124.Config
                         C:\WINDOWS\WindowsShell.Manifest
 Opens:
 Opens:
                         C:\WINDOWS\WindowsShell.Config
 Opens:
                         C:\WINDOWS\system32\rpcss.dll
                         C:\WINDOWS\system32\MSCTF.dll
 Opens:
 Opens:
                         C:\WINDOWS\system32\shfolder.dll
 Opens:
                         C:\WINDOWS\system32\setupapi.dll
 Opens:
                         C:\
 Opens:
                         C:\Documents and Settings
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsp1.tmp
 Opens:
                         C:\WINDOWS\Temp\7790ae57-8163-4eeb-aee6-c248c9ab2dda
 Opens:
                         C:\WINDOWS\Temp\394c529a998f001b2544559ea85b0e07.exe
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp
                         {\tt C:\Documents\ and\ Settings\Admin\Local\ Settings\Temp\nsw3.tmp}
 Opens:
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\System.dll
 Opens:
                         C:\WINDOWS\system32\winmm.dll
                         C:\Documents and Settings\Admin\Local
 Opens:
Settings\Temp\nsw3.tmp\LuaBridge.dll
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\LuaBridge.dll.2.Manifest
                         \label{locals-1} C: \verb|\DOCUME-1| Admin\\ Locals-1\\ Temp\\ nsw3.tmp\\ LuaBridge.dll.2.Config
 Opens:
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\lua51.dll
 Opens:
                         C:\WINDOWS\system32\iphlpapi.dll
                         C:\WINDOWS\system32\ws2_32.dll
 Opens:
 Opens:
                         C:\WINDOWS\system32\ws2help.dll
                         C:\Documents and Settings\Admin\Local
 Opens:
Settings\Temp\nsw3.tmp\definitions.lua
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\utils.lua
 Opens:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket
 Opens:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\socket
                         C:\Documents and Settings\Admin\Local
 Opens:
{\tt Settings\Temp\nsw3.tmp\LuaSocket\mime}
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\GuiInit.lua
 Opens:
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\473cc25d62ab653c6f7e53a704dc6e0ff7a8b71b
C: \DOCUME - 1 \land Admin \land LOCALS - 1 \land Temp \land sw3.tmp \land 473cc25d62ab653c6f7e53a704dc6e0ff7a8b71b.dl1
 Opens:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\LuaXml.lua
 Opens:
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\d5d7f3f32daa4938801b818601d43b728214a756
 Opens:
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\d5d7f3f32daa4938801b818601d43b728214a756.dll
 Opens:
                         C:LuaXML_lib.lua
                         C:\windows\temp\lua\LuaXML_lib.lua
 Opens:
 Opens:
                         C:\windows\temp\lua\LuaXML_lib\init.lua
 Opens:
                         C:\windows\temp\LuaXML lib.lua
                         C:\windows\temp\LuaXML_lib\init.lua
 Opens:
 Opens:
                         C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\LuaXML_lib.lua
                         Opens:
 Opens:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaXml_lib.dll
 Opens:
{\tt C:\DOCUME-1\Admin\LOCALS-1\Temp\nsw3.tmp\897d21056a341314b60764c31b36c1fad542e78a}
{\tt C: \DOCUME-1\Admin\LOCALS-1\Temp\nsw3.tmp\897d21056a341314b60764c31b36c1fad542e78a.dll} \\
 Opens:
                         C:socket.lua
```

```
C:\windows\temp\lua\socket.lua
   Opens:
   Opens:
                                                      C:\windows\temp\lua\socket\init.lua
   Opens:
                                                      C:\windows\temp\socket.lua
   Opens:
                                                      C:\windows\temp\socket\init.lua
   Opens:
                                                     C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\socket.lua
   Opens:
                                                     C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket.lua
   Opens:
\label{locals-locals-locals-locals-locals-locals-local} C: \begin{cases} \dot{DOCUME-1} \Admin\\ \cline{Locals-2} Locals-250e7389d052be3fdc257872ebd873ef2deb.dll \\ \cline{Locals-2} Locals-250e73ef2deb.dll \\ \cline{Locals-2} Locals
   Opens:
                                                      C:socket\core.lua
   Opens:
                                                      C:\windows\temp\lua\socket\core.lua
                                                     C:\windows\temp\lua\socket\core\init.lua
   Opens:
   Opens:
                                                     C:\windows\temp\socket\core.lua
   Opens:
                                                      C:\windows\temp\socket\core\init.lua
   Opens:
                                                     C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\socket\core.lua
   Opens:
                                                     C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\LuaSocket\lua\socket\core.lua
   Opens:
                                                      C:socket\core.dll
   Opens:
                                                     C:\windows\temp\socket\core.dll
   Opens:
                                                     C:\windows\temp\loadall.dll
                                                      C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\socket\core.dll
   Opens:
   Opens:
                                                     C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\socket\core.dll
   Opens:
\label{locals-locals-locals-locals-locals-locals} C: \DOCUME \sim 1 \land Admin \land LOCALS \sim 1 \land Local 
   Opens:
C: \DOCUME \sim 1 \land Admin \land LOCALS \sim 1 \land Temp \land sw3.tmp \land b33b2bde409277581a53da83ac5b1bfdcf29afa.dl1
                                                     C:socket\http.lua
   Opens:
   Opens:
                                                      C:\windows\temp\lua\socket\http.lua
   Opens:
                                                      C:\windows\temp\lua\socket\http\init.lua
   Opens:
                                                      C:\windows\temp\socket\http.lua
   Opens:
                                                      C:\windows\temp\socket\http\init.lua
   Opens:
                                                      C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\socket\http.lua
   Opens:
                                                      C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\http.lua
   Opens:
C: \DOCUME \sim 1 \land Admin \land LOCALS \sim 1 \land Temp \land S \land tmp \land C27913efc6edcc938c504fa24651c7f3d95f51cc
   Opens:
C: \DOCUME \sim 1 \land Admin \land LOCALS \sim 1 \land Temp \land sw3.tmp \land c27913efc6edcc938c504fa24651c7f3d95f51cc.dl1
   Opens:
                                                     C:socket\url.lua
   Opens:
                                                      C:\windows\temp\lua\socket\url.lua
   Opens:
                                                     C:\windows\temp\lua\socket\url\init.lua
   Opens:
                                                     C:\windows\temp\socket\url.lua
   Opens:
                                                      C:\windows\temp\socket\url\init.lua
   Opens:
                                                      C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\socket\url.lua
                                                      C:\Documents and Settings\Admin\Local
   Opens:
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\url.lua
   Opens:
{\tt C: \DOCUME$^1\Admin\LOCALS$^1$ Temp\nsw3.tmp\7d4b85d62fb353e7a43256f40d539ceb6fd06006}
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\7d4b85d62fb353e7a43256f40d539ceb6fd06006.dll
   Opens:
                                                     C:ltn12.lua
   Opens:
                                                      C:\windows\temp\lua\ltn12.lua
   Opens:
                                                     C:\windows\temp\lua\ltn12\init.lua
                                                     C:\windows\temp\ltn12.lua
   Opens:
   Opens:
                                                      C:\windows\temp\ltn12\init.lua
   Opens:
                                                      C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\ltn12.lua
                                                      C:\Documents and Settings\Admin\Local
   Opens:
Settings\Temp\nsw3.tmp\LuaSocket\lua\ltn12.lua
   Opens:
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\c6d51ab09f96b7569326130e860517b7d87e866d
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\c6d51ab09f96b7569326130e860517b7d87e866d.dll
   Opens:
                                                      C:mime.lua
   Opens:
                                                      C:\windows\temp\lua\mime.lua
   Opens:
                                                      C:\windows\temp\lua\mime\init.lua
                                                     C:\windows\temp\mime.lua
   Opens:
   Opens:
                                                      C:\windows\temp\mime\init.lua
   Opens:
                                                     C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\mime.lua
                                                      C:\Documents and Settings\Admin\Local
   Opens:
Settings\Temp\nsw3.tmp\LuaSocket\lua\mime.lua
   Opens:
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\f40368059830399ce8189100003d317f2739d087
C: \DOCUME \sim 1 \land Admin \land LOCALS \sim 1 \land Temp \land sw3.tmp \land f40368059830399ce8189100003d317f2739d087.dl1
   Opens:
                                                      C:mime\core.lua
   Opens:
                                                      C:\windows\temp\lua\mime\core.lua
   Opens:
                                                      C:\windows\temp\lua\mime\core\init.lua
   Opens:
                                                      C:\windows\temp\mime\core.lua
   Opens:
                                                      C:\windows\temp\mime\core\init.lua
                                                      C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\mime\core.lua
   Opens:
   Opens:
                                                      \label{locals-1} C: \DOCUME-1\Admin\LOCALS-1\Temp\nsw3.tmp\LuaSocket\lua\mbox{\mbox{$mime$} core.lua} \\
```

```
Opens:
                                                                                     C:mime\core.dll
                                                                                     C:\windows\temp\mime\core.dll
      Opens:
                                                                                     C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\mime\core.dll
      Opens:
      Opens:
                                                                                     C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\mime\core.dll
      Opens:
C: \DOCUME \sim 1 \land Admin \land LOCALS \sim 1 \land Temp \land sw3.tmp \land f45008e3c900e7920effac3ed6f377dd0caf0cf1 \land f45008e66effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f370effac3ed6f3
      Opens:
C: \verb|\DOCUME-1| Admin\\ LOCALS-1| Temp\\ nsw3.tmp\\ f45008e3c900e7920effac3ed6f377dd0caf0cf1.dl1 | Temp\\ nsw3.tmp\\ n
      Opens:
                                                                                     C:socket\ftp.lua
      Opens:
                                                                                    C:\windows\temp\lua\socket\ftp.lua
      Opens:
                                                                                     C:\windows\temp\lua\socket\ftp\init.lua
      Opens:
                                                                                     C:\windows\temp\socket\ftp.lua
      Opens:
                                                                                     C:\windows\temp\socket\ftp\init.lua
      Opens:
                                                                                     C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\socket\ftp.lua
      Opens:
                                                                                     C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\ftp.lua
      Opens:
C: \DOCUME \sim 1 \land Admin \land LOCALS \sim 1 \land Temp \land s \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 44ef e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 64d e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 64d e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 64d e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 596f 64d e 64d 2468f c c 06f 25e9e5c 24881 \land tmp \land a 317db 64d e 64d 2468f c c 06f 26e9e5c 24881 \land a 317db 64d e 64d 2468f c c 06f 24e9e5c 24881 \land a 317db 64d e 64d 2468f c c 06f 24e9e5c 24881 \land a 317db 64d e 64d 2468f c c 06f 24e9e5c 24881 \land a 317db 64d e 64d e 64d 2468f c c 06f 24e9e5c 24881 \land a 317db 64d e 64d e
      Opens:
C: \DOCUME \sim 1 \land Admin \land LOCALS \sim 1 \land Temp \land sw3.tmp \land 317db596f44efe64d2468fcc06f25e9e5c24881.dl1
      Opens:
                                                                                    C:socket\tp.lua
                                                                                    C:\windows\temp\lua\socket\tp.lua
      Opens:
      Opens:
                                                                                     C:\windows\temp\lua\socket\tp\init.lua
      Opens:
                                                                                     C:\windows\temp\socket\tp.lua
      Opens:
                                                                                     C:\windows\temp\socket\tp\init.lua
      Opens:
                                                                                     \label{locals-1} C: \DOCUME $$^1\Lambda \CS^1$ Temp\nsw3.tmp\socket\tp.lua $$
      Opens:
                                                                                     C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\tp.lua
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\05d97e6e9834ccf063c552e404b9ecafc5e4d662
      Opens:
C: \DOCUME \sim 1 \land Admin \land LOCALS \sim 1 \land Temp \land sw3.tmp \land 05d97e6e9834ccf063c552e404b9ecafc5e4d662.dl1
      Opens:
                                                                                     C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\json.lua
      Opens:
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\9ed037b84943c4caa3a520e48a5540181c46c98c
      Opens:
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\9ed037b84943c4caa3a520e48a5540181c46c98c.dl1
                                                                                     C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\Sandbox.lua
      Opens:
C: \DOCUME \sim 1 \land Admin \land LOCALS \sim 1 \land Temp \land s \land tmp \land a 2562690818 adae 41c773c584b6f6c09ebb4d39c
C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\Env.lua
      Opens:
      Opens:
C: \DOCUME \sim 1 \land Admin \land LOCALS \sim 1 \land Temp \land S4785412a7c2f25a4535a5b8a463d4b9c179408b
      Opens:
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\54785412a7c2f25a4535a5b8a463d4b9c179408b.dll
     Opens:
                                                                                     C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\CallbackProxy.lua
C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\a862c2b21b5e1337de2b76d5e43ae1375117d34d
      Opens:
\label{locals-1} C: \DOCUME - 1 \land Admin \land LOCALS - 1 \land Temp \land sw3.tmp \land a862c2b21b5e1337de2b76d5e43ae1375117d34d.dl1 \\ \DOCUME - 1 \land Admin \land LOCALS - 1 \land Temp \land sw3.tmp \land a862c2b21b5e1337de2b76d5e43ae1375117d34d.dl1 \\ \DOCUME - 1 \land Admin \land LOCALS - 1 \land Temp \land sw3.tmp \land a862c2b21b5e1337de2b76d5e43ae1375117d34d.dl1 \\ \DOCUME - 1 \land Admin \land LOCALS - 1 \land Temp \land sw3.tmp \land a862c2b21b5e1337de2b76d5e43ae1375117d34d.dl1 \\ \DOCUME - 1 \land Admin \land LOCALS - 1 \land Temp \land sw3.tmp \land a862c2b21b5e1337de2b76d5e43ae1375117d34d.dl1 \\ \DOCUME - 1 \land Admin \land LOCALS - 1 \land Temp \land sw3.tmp \land a862c2b21b5e1337de2b76d5e43ae1375117d34d.dl1 \\ \DOCUME - 1 \land Admin \land LOCALS - 1 \land Admin \land a862c2b21b5e1337de2b76d5e43ae1375117d34d.dl1 \\ \DOCUME - 1 \land Admin 
                                                                                    C:\Documents and Settings\Admin\Local
     Opens:
Settings\Temp\nsw3.tmp\Downloads.lua
      Opens:
                                                                                    C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\DownloadList.lua
                                                                                     C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\Events.lua
      Opens:
                                                                                     C:\Documents and Settings\Admin\Local
      Opens:
Settings\Temp\nsw3.tmp\DownloadThread.lua
     Opens:
                                                                                    C:\Documents and Settings\Admin\Local
 Settings\Temp\nsw3.tmp\BrowserControl.lua
      Opens:
{\tt C:\DOCUME-1\Admin\LOCALS-1\Temp\nsw3.tmp\1feb3ea612cdf9b90056427956a6421e260272ab}
{\tt C:\DOCUME$^1\Admin\LOCALS$^1\Temp\nsw3.tmp\1feb3ea612cdf9b90056427956a6421e260272ab.dl1}
      Opens:
                                                                                    C:luacom.lua
      Opens:
                                                                                     C:\windows\temp\lua\luacom.lua
      Opens:
                                                                                    C:\windows\temp\lua\luacom\init.lua
      Opens:
                                                                                     C:\windows\temp\luacom.lua
      Opens:
                                                                                     C:\windows\temp\luacom\init.lua
      Opens:
                                                                                    C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\luacom.lua
                                                                                    \label{lem:luasocketlualuacom.lua} C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\LuaSocket\lua\luacom.lua
      Opens:
      Opens:
                                                                                     C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\luacom.dll
                                                                                    C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\res
      Opens:
      Opens:
                                                                                     C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\bullet
                                                                                    C:\Documents and Settings\Admin\Local
      Opens:
 Settings\Temp\nsw3.tmp\AdvancedTests.lua
                                                                                    C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\version.dll
      Opens:
      Opens:
                                                                                     C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\UACInfo.dll
                                                                                    C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\UACInfo.dll.2.Manifest
      Opens:
      Opens:
                                                                                     C:\DOCUME~1\Admin\LOCALS~1\Temp\nsw3.tmp\UACInfo.dll.2.Config
```

```
C:\Documents and Settings\Admin\My Documents\My Videos\Desktop.ini
 Opens:
                         C:\Documents and Settings\Admin\My Documents\My Videos
 Opens:
 Opens:
                         C:\WINDOWS\system32\netapi32.dll
                         C:\Documents and Settings\Admin\Start Menu\desktop.ini
 Opens:
 Opens:
                         C:\Documents and Settings\Admin\Start Menu
 Opens:
                         C:\Documents and Settings\Admin\Start Menu\Programs\desktop.ini
                         C:\Documents and Settings\Admin\Start Menu\Programs
 Opens:
                         C:\Documents and Settings\Admin\Start Menu\Programs\Administrative Tools
 Opens:
 Opens:
                         C:\Documents and Settings\Admin\Start Menu\Programs\Administrative
Tools\desktop.ini
                         C:\Documents and Settings\Admin\Local
 Opens:
Settings\Temp\nsw3.tmp\FloatingProgress.dll
 Opens:
                         C:\WINDOWS\system32\MSCTFIME.IME
                         C:\WINDOWS\system32\uxtheme.dll
 Opens:
 Opens:
                         C:\WINDOWS\system32\MSIMTF.dll
 Opens:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\__localxml.xml
 Opens:
                         C:\WINDOWS\system32\mswsock.dll
 Opens:
                         C:\WINDOWS\system32\hnetcfg.dll
 Opens:
                         C:\WINDOWS\system32\wshtcpip.dll
 Opens:
                         C:\WINDOWS\system32\dnsapi.dll
 Opens:
                         C:\WINDOWS\system32\winrnr.dll
                         C:\WINDOWS\system32\drivers\etc\hosts
 Opens:
 Opens:
                         C:\WINDOWS\system32\rsaenh.dll
 Opens:
                         C:\WINDOWS\system32\crypt32.dll
 Opens:
                         C:\WINDOWS\system32\rasadhlp.dll
 Writes to:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw2.tmp
 Writes to:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\System.dll
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\lua51.dll
 Writes to:
 Writes to:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaXml_lib.dll
                         C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\LuaBridge.dll
 Writes to:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\definitions.lua
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\utils.lua
 Writes to:
 Writes to:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\mime.lua
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket.lua
 Writes to:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\ltn12.lua
                         C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\http.lua
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\ftp.lua
 Writes to:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\tp.lua
                         C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\smtp.lua
                         C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\url.lua
 Writes to:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\socket\core.dll
                         C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\LuaSocket\mime\core.dll
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\LuaXml.lua
 Writes to:
 Writes to:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\json.lua
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\luacom.dll
 Writes to:
 Writes to:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\Env.lua
 Writes to:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\Sandbox.lua
                         C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\BundleInstall.lua
                         C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\Downloads.lua
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\NotifyIcon.lua
                         C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\CallbackProxy.lua
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\UiState.lua
 Writes to:
 Writes to:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\ProcessFreeFile.lua
                         C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\extension.tlb
 Writes to:
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\GuiInit.lua
 Writes to:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\DownloadList.lua
                         C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\Events.lua
 Writes to:
 Writes to:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\DownloadThread.lua
 Writes to:
                         C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\IntegratedOffer.lua
 Writes to:
                         C:\Documents and Settings\Admin\Local
```

```
Settings\Temp\nsw3.tmp\BrowserControl.lua
                          C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\res\jquery.js
 Writes to:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\res\common.js
 Writes to:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\res\common.css
                          C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\res\knockout.js
                          C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\bullet\accept.png
 Writes to:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\bullet\back.png
                          C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\bullet\cancel.png
 Writes to:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\bullet\close.png
 Writes to:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\bullet\decline.png
                          C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\bullet\next.png
 Writes to:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\bullet\progress.gif
                          C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\bullet\progressPause.gif
                          C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\bullet\skin.jpg
                          C:\Documents and Settings\Admin\Local
 Writes to:
                         _localxml.xml
Settings\Temp\nsw3.tmp\_
                          C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\AdvancedTests.lua
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\version.dll
 Writes to:
 Writes to:
                          {\tt C:\Documents\ and\ Settings\Admin\Local\ Settings\Temp\nsw3.tmp\UACInfo.dll}
 Writes to:
                          C:\Documents and Settings\Admin\My Documents\My Videos\Desktop.ini
                          {\tt C:\Documents\ and\ Settings\Admin\Start\ Menu\Programs\Administrative}
 Writes to:
Tools\desktop.ini
                          C:\Documents and Settings\Admin\Local
 Writes to:
Settings\Temp\nsw3.tmp\FloatingProgress.dll
                          C:\WINDOWS\Temp\394c529a998f001b2544559ea85b0e07.exe
 Reads from:
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw2.tmp
 Reads from:
                          C:\Documents and Settings\Admin\Local
 Reads from:
Settings\Temp\nsw3.tmp\definitions.lua
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\utils.lua
 Reads from:
                           \verb| C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\GuiInit.lua | \\
 Reads from:
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\LuaXml.lua
 Reads from:
                          C:\Documents and Settings\Admin\Local
 Reads from:
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket.lua
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\http.lua
 Reads from:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\url.lua
                          C:\Documents and Settings\Admin\Local
 Reads from:
Settings\Temp\nsw3.tmp\LuaSocket\lua\ltn12.lua
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\mime.lua
 Reads from:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\ftp.lua
                          C:\Documents and Settings\Admin\Local
 Reads from:
Settings\Temp\nsw3.tmp\LuaSocket\lua\socket\tp.lua
 Reads from:
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\json.lua
 Reads from:
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\Sandbox.lua
 Reads from:
                          \label{lem:c:local} C:\Documents\ and\ Settings\Admin\Local\ Settings\Temp\nsw3.tmp\Env.lua
                          C:\Documents and Settings\Admin\Local
 Reads from:
Settings\Temp\nsw3.tmp\CallbackProxy.lua
                          C:\Documents and Settings\Admin\Local
 Reads from:
Settings\Temp\nsw3.tmp\Downloads.lua
 Reads from:
                          C:\Documents and Settings\Admin\Local
{\tt Settings\Temp\nsw3.tmp\DownloadList.lua}
 Reads from:
                          C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp\Events.lua
                          C:\Documents and Settings\Admin\Local
 Reads from:
Settings\Temp\nsw3.tmp\DownloadThread.lua
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\BrowserControl.lua
 Reads from:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\AdvancedTests.lua
                          C:\Documents and Settings\Admin\My Documents\My Videos\Desktop.ini
 Reads from:
 Reads from:
                          C:\Documents and Settings\Admin\Start Menu\desktop.ini
                          C:\Documents and Settings\Admin\Start Menu\Programs\desktop.ini
 Reads from:
 Reads from:
                          C:\Documents and Settings\Admin\Start Menu\Programs\Administrative
Tools\desktop.ini
 Reads from:
                          C:\Documents and Settings\Admin\Local
Settings\Temp\nsw3.tmp\_
                         localxml.xml
 Reads from:
                          C:\WINDOWS\system32\drivers\etc\hosts
```

Reads from: C:\WINDOWS\system32\rsaenh.dll

Deletes: C:\Documents and Settings\Admin\Local Settings\Temp\nsp1.tmp
Deletes: C:\Documents and Settings\Admin\Local Settings\Temp\nsw3.tmp

### **Network Events**

DNS query: service.downloadadmin.com

DNS response: service.downloadadmin.com ⇒ 50.22.63.138
DNS response: service.downloadadmin.com ⇒ 50.22.63.140

 Connects to:
 50.22.63.138:80

 Connects to:
 50.22.63.140:80

 Sends data to:
 8.8.8.8:53

 Sends data to:
 0.0.0.0:0

 Receives data from:
 0.0.0.0:0

Receives data from: service.downloadadmin.com:80 (50.22.63.138)
Receives data from: service.downloadadmin.com:80 (50.22.63.140)

#### Windows Registry Events

Creates key:

 $HKCU \setminus software \setminus microsoft \setminus windows \setminus current \\ version \setminus explorer \setminus mountpoints \\ 2 \setminus \{f90255c2-6bc4-11e3-9fc7-bc4-11e3-9fc$ 

806d6172696f}\

Creates key: HKCU\software\microsoft\windows\currentversion\explorer\user shell

folders

Creates key: HKCU\software\microsoft\windows\currentversion\explorer\shell folders

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

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

options\394c529a998f001b2544559ea85b0e07.exe

Opens key: HKLM\system\currentcontrolset\control\terminal server

Opens key:

 $\label{thm:local_ham} $$HKLM\software\microsoft\windows\currentversion\sidebyside\assemblystorageroots $$ Opens key: $$HKLM\system\currentcontrolset\control\safeboot\option $$ $$$ 

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

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

options\gdi32.dll

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

options\user32.dll

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

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

options\imm32.dll

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

options\ntdll.dll

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

options\kernel32.dll

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

options\secur32.dll

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

options\rpcrt4.dll

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

options\advapi32.dll

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

options\msvcrt.dll

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

options\shlwapi.dll

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

options\shell32.dll

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

options\comctl32.dll
Opens key:

HKLM\software\microsoft\windows nt\currentversion\image file execution

options\ole32.dll

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

options\version.dll

Opens key: HKLM\system\currentcontrolset\control\error message instrument\
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

 $\label{lem:continuous} Opens key: $$ HKLM\software\microsoft\windows nt\currentversion\winlogon $$ Opens key: $$ HKLM\software\microsoft\windows nt\currentversion\winlogon $$ Opens key: $$ HKLM\software\microsoft\windows nt\currentversion\winlogon $$ Opens key: $$ O$ 

Opens key: HKLM

Opens key: HKLM\software\microsoft\windows nt\currentversion\diagnostics
Opens key: HKLM\software\microsoft\windows\currentversion\explorer\performance

Opens key: HKLM\system\setup

Opens key: HKCU\

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

Opens key: HKCU\control panel\desktop

Opens key: HKCU\software\microsoft\windows\currentversion\explorer\advanced Opens key: HKLM\software\microsoft\windows nt\currentversion\languagepack

Opens key: HKLM\software\microsoft\ole

Opens key: HKCR\interface

Opens key: HKCR\interface\{00020400-0000-0000-0000-00000000046}

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

options\msctf.dll

Opens key:

HKLM\software\microsoft\ctf\compatibility\394c529a998f001b2544559ea85b0e07.exe

Opens kev: HKLM\software\microsoft\ctf\systemshared\

HKCU\keyboard layout\toggle Opens key: Opens key: HKLM\software\microsoft\ctf\

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

options\shfolder.dll

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

Opens key:

a2d8-08002b30309d}

Opens key: HKCU\software\classes\

HKCU\software\classes\clsid\{20d04fe0-3aea-1069-a2d8-Opens key:

08002b30309d}\inprocserver32

Opens key: HKCR\clsid\{20d04fe0-3aea-1069-a2d8-08002b30309d}\inprocserver32 Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\setupapi.dll

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

HKLM\system\wpa\pnp Opens key:

Opens key: HKLM\software\microsoft\windows\currentversion\setup Opens key: HKLM\software\microsoft\windows\currentversion

HKLM\software\microsoft\windows\currentversion\setup\apploglevels Opens key: Opens key: HKLM\system\currentcontrolset\control\computername\activecomputername

Opens key: HKLM\system\currentcontrolset\services\tcpip\parameters Opens key: HKLM\software\policies\microsoft\system\dnsclient

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

Opens key: HKLM\software\microsoft\rpc

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

options\394c529a998f001b2544559ea85b0e07.exe\rpcthreadpoolthrottle Opens key: HKLM\software\policies\microsoft\windows nt\rpc Opens key: HKLM\system\currentcontrolset\control\computername

Opens key:

HKCU\software\microsoft\windows\currentversion\explorer\mountpoints2\cpc\volume

Opens kev:

 $HKCU \ software \ icrosoft \ windows \ current version \ explorer \ mountpoints \ 2 \ cpc \ volume \ \{f90255c2-6bc4-five \ for \ f$ 

11e3-9fc7-806d6172696f}\

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

Opens key: HKCR\drive\shellex\folderextensions

Opens key: HKCU\software\classes\drive\shellex\folderextensions\{fbeb8a05-beee-

4442-804e-409d6c4515e9}

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

409d6c4515e9}

HKCU\software\classes\directory Opens key:

Opens key: HKCR\directory

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

HKCR\directory\curver Opens key: Opens key: HKCR\directory\

Opens key: HKCU\software\microsoft\windows\currentversion\explorer HKCU\software\microsoft\windows\currentversion\explorer\ Opens key: Opens key: HKCU\software\microsoft\windows\currentversion\policies\system

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

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

Opens key:

HKCU\software\classes\folder

Opens key: HKCR\folder

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

HKCR\folder\clsid Opens key:

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

options\system.dll

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\winmm.dll

Opens key:

Opens kev:

HKLM\software\microsoft\windows nt\currentversion\drivers32

HKLM\system\currentcontrolset\control\mediaproperties\privateproperties\joystick\winmm

Opens key:

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

options\lua51.dll Opens key:

HKLM\software\microsoft\windows nt\currentversion\image file execution options\ws2help.dll

Opens key:

HKLM\software\microsoft\windows nt\currentversion\image file execution options\ws2\_32.dll

Opens key:

HKLM\software\microsoft\windows nt\currentversion\image file execution options\iphlpapi.dll

Opens key: HKLM\system\currentcontrolset\services\tcpip\linkage Opens kev: HKLM\system\currentcontrolset\services\tcpip\parameters\

Opens key: HKLM\system\currentcontrolset\services\netbt\parameters\interfaces

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

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\luabridge.dll

Opens key:

HKLM\software\microsoft\windows nt\currentversion\image file execution

options\luaxml\_lib.dll

Opens key:  $\label{lem:hklm} \verb+Kklm\+ software\+ microsoft\+ windows nt\+ current version\+ image file execution$  options\core.dll

Opens kev: HKLM\system\currentcontrolset\services\winsock2\parameters

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9

Opens kev:

Opens kev:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\00000000001 Opens kev:

Opens key:

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\000000000004 Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\000000000005 Opens key:

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\000000000007 Opens kev:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\000000000008 Opens key:

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\00000000010 Opens kev:

HKLM\system\currentcontrolset\services\winsock2\parameters\protocol\_catalog9\catalog\_entries\00000000011 Opens kev:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\00000004

Opens key:

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:

Opens key:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\0000000000003 Opens kev:

c7d49d7cecdc}

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

options\oleaut32.dll

Opens key: HKLM\software\microsoft\oleaut

HKLM\software\microsoft\oleaut\userera Opens kev:

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

options\luacom.dll

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

options\uacinfo.dll

Opens key:

HKCU\software\microsoft\windows\shell\associations\urlassociations\http\userchoice

Opens key: HKCU\software\classes\http\shell\open\command Opens key: HKLM\software\microsoft\internet explorer Opens key: HKLM\software\mozilla\mozilla firefox

Opens key: HKLM\software\microsoft\net framework setup\ndp

Opens key: HKLM\software\microsoft\windows\currentversion\explorer

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

options\netapi32.dll

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

options\userenv.dll

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

Opens key: HKCU\software\microsoft\windows\currentversion\explorer\user shell

folders

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

Opens key: 

1757981266-507921405-1957994488-1003

Opens key: HKCU\software\microsoft\windows\shellnoroam

Opens key: HKU\

Opens key: HKCU\software\microsoft\windows\shellnoroam\muicache Opens key: HKCU\software\microsoft\windows\shellnoroam\muicache\

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

options\floatingprogress.dll

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

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

options\msctfime.ime

Opens key: HKCU\software\microsoft\ctf

Opens key: HKLM\software\microsoft\ctf\svstemshared

Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution options\uxtheme.dll

Opens kev: HKCU\software\microsoft\windows\currentversion\thememanager

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

options\mswsock.dll

Opens key:

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

options\hnetcfg.dll

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

Opens key: HKLM\system\currentcontrolset\services\winsock\parameters
Opens key: HKLM\system\currentcontrolset\services\tcpip\parameters\winsock
Opens key: HKLM\software\microsoft\windows nt\currentversion\image file execution

options\wshtcpip.dll

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

options\dnsapi.dll

Opens key: HKLM\system\currentcontrolset\services\dnscache\parameters
Opens key: HKLM\software\policies\microsoft\windows nt\dnsclient

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

options\wldap32.dll

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

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

options\winrnr.dll

Opens key: HKLM\software\microsoft\cryptography\defaults\provider\microsoft strong

cryptographic provider

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

options\rsaenh.dll

Opens key: HKLM\software\microsoft\cryptography\offload

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

options\rasadhlp.dll

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

Queries value:

HKLM\software\policies\microsoft\windows\safer\codeidentifiers[transparentenabled]

Queries value: HKLM\system\currentcontrol\session manager[safedllsearchmode]

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

nt\currentversion\compatibility32[394c529a998f001b2544559ea85b0e07]

Queries value: HKLM\software\microsoft\windows nt\currentversion\ime

compatibility[394c529a998f001b2544559ea85b0e07]

Queries value: HKLM\software\microsoft\windows nt\currentversion\windows[appinit\_dlls]
Queries value: HKLM\software\microsoft\windows nt\currentversion\winlogon[leaktrack]

 Queries value:
 HKLM\system\setup[systemsetupinprogress]

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

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

Queries value:

 $\label{thm:local_hammon} HKCU \software \mbox{$\mbox{$\mathbb{N}$ indows\currentversion} explorer \advanced [enable balloon tips] } \\$ 

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

manager[criticalsectiontimeout]

Queries value: HKLM\software\microsoft\ole[rwlockresourcetimeout]
Queries value: HKCR\interface[interfacehelperdisableal1]
Queries value: HKCR\interface[interfacehelperdisableal1forole32]
Queries value: HKCR\interface[interfacehelperdisabletypelib]
Queries value: HKCR\interface\{00020400-0000-0000-c000-

00000000046}[interfacehelperdisableall]

Queries value: HKCR\interface\{00020400-0000-0000-c000-

00000000046}[interfacehelperdisableallforole32]

Queries value: HKLM\software\microsoft\ctf\systemshared[cuas]
Queries value: HKCU\keyboard layout\toggle[language hotkey]
Queries value: HKCU\keyboard layout\toggle[hotkey]
Queries value: HKCU\keyboard layout\toggle[layout hotkey]
Queries value: HKLM\software\microsoft\ctf[enableanchorcontext]

Queries value: HKLM\Software\microsoft\ctflenableanchorcontextj

Queries value:

 $\label{lem:hkcu} \verb+KKCU \software \verb+microsoft \verb+windows \verb+current version \verb+|policies \verb+|explorer[nonethood]|$ 

Oueries value:

 $\label{thm:local_continuous} \label{thm:local_continuous} HKCU \software \mbox{$\mathbb{N}$ indows \current version \policies \explorer [no properties my computer] }$ 

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[nointerneticon]

Queries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[nocommongroups]

Queries value:

Queries value:

 $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \policies \explorer \cite{lem:hkcu} no set folders \end{tabular}$ 

Queries value: HKCR\clsid\{20d04fe0-3aea-1069-a2d8-08002b30309d}\inprocserver32[]

Queries value: HKLM\system\wpa\pnp[seed]
Queries value: HKLM\system\setup[osloaderpath]
Queries value: HKLM\system\setup[systempartition]

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

Queries value:

HKLM\software\microsoft\windows\currentversion\setup[servicepacksourcepath]

Queries value:

 $HKLM \setminus software \setminus microsoft \setminus windows \setminus current version \setminus setup [service pack cachepath] \\$ 

 $\label{thm:linear} Queries \ value: \\ HKLM\ software\ microsoft\ windows\ current version\ setup\ [driver cachepath]$ 

Oueries value: HKLM\software\microsoft\windows\currentversion[devicepath] HKLM\software\microsoft\windows\currentversion\setup[loglevell Oueries value: Oueries value: HKLM\software\microsoft\windows\currentversion\setup[logpath] Queries value: HKLM\system\currentcontrolset\control\computername\activecomputername[computername] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[hostname] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[domain] HKLM\software\microsoft\rpc[maxrpcsize] Oueries value: Oueries value:  $HKCU \ software \ microsoft \ windows \ current version \ \ explorer \ mountpoints 2 \ cpc \ \ \ \{f90255c2-6bc4-f9025c2-6bc4-f90255c2-6bc4-f9025c2-6$ 11e3-9fc7-806d6172696f}[data] Queries value: 11e3-9fc7-806d6172696f}[generation] HKCR\drive\shellex\folderextensions\{fbeb8a05-beee-4442-804e-Queries value: 409d6c4515e9}[drivemask] Oueries value: HKCU\software\microsoft\windows\currentversion\policies\explorer[dontshowsuperhidden] HKCU\software\microsoft\windows\currentversion\explorer[shellstate] Oueries value: Oueries value: HKCU\software\microsoft\windows\currentversion\policies\explorer[forceactivedesktopon] Oueries value: HKCU\software\microsoft\windows\currentversion\policies\explorer[noactivedesktop] HKCU\software\microsoft\windows\currentversion\policies\explorer[nowebview] Queries value: HKCU\software\microsoft\windows\currentversion\policies\explorer[classicshell] Queries value:  $HKCU \ software \ microsoft \ windows \ current version \ policies \ explorer [separate process]$ HKCU\software\microsoft\windows\currentversion\policies\explorer[nonetcrawling] Queries value:  $HKCU \setminus software \setminus microsoft \setminus windows \setminus current version \setminus policies \setminus explorer [no simple startmenu]$ HKCU\software\microsoft\windows\currentversion\explorer\advanced[hidden] Queries 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] Oueries 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] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[webview]  $\label{lem:hkcu} \verb+KKCU\software\microsoft\windows\currentversion\explorer\advanced[filter]$ Oueries value: Queries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[showsuperhidden] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[separateprocess] Queries value: HKCU\software\microsoft\windows\currentversion\explorer\advanced[nonetcrawling] Queries value: HKCR\directory[docobject] Queries value: HKCR\directory[browseinplace] Oueries value: HKCR\directory[isshortcut] Oueries value: HKCR\directory[alwaysshowext] Queries value: HKCR\directory[nevershowext] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave1] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave2] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave3] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave4] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave5] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave6]

Oueries value:  $HKLM \setminus software \setminus microsoft \setminus windows \ nt \setminus current version \setminus drivers 32 [wave 7]$ Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave8] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[wave9] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi1] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi2] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi3] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi4] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi5] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi6] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi7] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi81 Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[midi9] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux] Oueries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux1] Queries value: HKLM\software\microsoft\windows nt\currentversion\drivers32[aux2]

```
Oueries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[aux3]
 Oueries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[aux4]
 Oueries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[aux5]
 Queries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[aux6]
 Oueries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[aux7]
 Queries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[aux8]
 Oueries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[aux9]
 Oueries value:
HKLM\system\currentcontrolset\control\mediaproperties\privateproperties\joystick\winmm[wheel]
 Queries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer]
 Oueries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer1]
 Queries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer2]
 Queries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer3]
 Oueries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer4]
 Queries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer5]
 Queries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer6]
 Oueries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32\mixer71
 Queries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer8]
 Queries value:
                      HKLM\software\microsoft\windows nt\currentversion\drivers32[mixer9]
 Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters[winsock_registry_version]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[serial_access_num]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[next_catalog_entry_id]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9[num_catalog_entries]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000002[packedcatalogitem]
 Queries value:
Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\00000000005[packedcatalogitem]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000006[packedcatalogitem]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000008[packedcatalogitem]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000009[packedcatalogitem]
 Queries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\protocol_catalog9\catalog_entries\000000000011[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]
 Queries 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\00000000001[displaystring]
 Oueries value:
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[providerid]
HKLM\system\currentcontrolset\services\winsock2\parameters\namespace_catalog5\catalog_entries\00000000001[addressfamily]
 Oueries value:
HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog 5 \ (catalog\_entries \ 000000000001[supported name space]
```

Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000001[enabled]

Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000001[storesserviceclassinfo] Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000002[librarypath]

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000002[displaystring] Queries value:

Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000002[addressfamily] Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\0000000000002[supportednamespace] Queries value:

Oueries value:

 $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ winsock 2 \ parameters \ name space\_catalog \ services \ name space\_catalog \ nam$ 

Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000002[storesserviceclassinfo]

Oueries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\00000000003[librarypath] Oueries value:

 $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space\_catalog 5 \ (catalog\_entries \ 000000000003 \ [displaystring]$ Oueries value:

Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000003[addressfamily] Oueries value:

 $HKLM \ system \ (current control set \ services \ winsock 2 \ parameters \ name space \_ catalog 5 \ (catalog\_entries \ 0000000000003 [supported name space]$ Oueries value:

Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters\namespace\_catalog5\catalog\_entries\000000000003[version] Oueries value:

 $HKLM \ system \ current control set \ services \ winsock 2 \ parameters \ namespace\_catalog 5 \ catalog\_entries \ 00000000003 \ [storesservice class in fo]$ Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters[ws2\_32numhandlebuckets]

Queries value:

HKLM\system\currentcontrolset\services\winsock2\parameters[ws2\_32spincount]

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

Queries value:

c7d49d7cecdc}[enabledhcp]

Queries value:

c7d49d7cecdc}[leaseobtainedtime]

Queries value:

c7d49d7cecdc}[leaseterminatestime]

c7d49d7cecdc}[dhcpserver]

HKLM\software\microsoft\internet explorer[version] Queries value:

HKLM\software\microsoft\windows\currentversion[programfilesdir] Oueries value: Oueries value: HKLM\software\microsoft\windows\currentversion[commonfilesdir] HKCU\software\microsoft\windows\currentversion\explorer\user shell Queries value:

folders[desktop]

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

folders[start menu]

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

folders[programs]

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

folders[startup]

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

folders[appdata] Oueries value:

HKCU\software\microsoft\windows\currentversion\explorer\user shell folders[personal]

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

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

folders[recent]

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

folders[favorites]

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

folders[my music]

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

folders[my pictures]

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

folders[my video] Queries value:

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

Oueries value:

HKCU\software\microsoft\windows\currentversion\policies\explorer[usedesktopinicache]

Queries value:

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

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

Oueries value:

HKCU\software\microsoft\windows\currentversion\explorer\user shell folders[templates]

Queries value:

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

folders[local appdata]

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

folders[printhood]

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

folders[cache]

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

folders[cookies]

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

HKLM\software\microsoft\windows Oueries value:

nt\currentversion\winlogon[userenvdebuglevel]

Queries value: HKLM\software\microsoft\windows

nt\currentversion\winlogon[chkaccdebuglevel]

Queries value: HKLM\system\currentcontrolset\control\productoptions[producttype] Oueries value: HKCU\software\microsoft\windows\currentversion\explorer\user shell

folders[local settings]

Queries value: HKLM\software\microsoft\windows

nt\currentversion\winlogon[rsopdebuglevel]

HKLM\software\microsoft\windows nt\currentversion\winlogon[rsoplogging] Oueries value: Queries value: 

1757981266-507921405-1957994488-1003[profileimagepath]

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

folders[administrative tools]

Queries value: HKLM\software\microsoft\windows nt\currentversion\profilelist\s-1-5-21-

1757981266-507921405-1957994488-1003[flags]

HKLM\software\microsoft\windows nt\currentversion\profilelist\s-1-5-21-Queries value:

1757981266-507921405-1957994488-1003[state]

HKLM\software\microsoft\windows nt\currentversion\profilelist\s-1-5-21-Oueries value:

1757981266-507921405-1957994488-1003[userpreference]

HKLM\software\microsoft\windows nt\currentversion\profilelist\s-1-5-21-Queries value:

1757981266-507921405-1957994488-1003[centralprofile]

HKLM\software\microsoft\windows nt\currentversion\profilelist\s-1-5-21-Queries value:

1757981266-507921405-1957994488-1003[profileloadtimelow]

Queries value:

1757981266-507921405-1957994488-1003[profileloadtimehigh]

HKCU\software\microsoft\windows\shellnoroam\muicache[langid] Queries value: Oueries value: HKCU\software\microsoft\windows\shellnoroam\muicache[@shell32.dll,-

21762]

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

folders[cd burning]

Queries value: HKLM\software\microsoft\windows nt\currentversion\imm[ime file] Queries value: HKCU\software\microsoft\ctf[disable thread input manager]

Oueries value: HKCU\software\microsoft\windows\currentversion\thememanager[compositing]

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

HKLM\software\microsoft\rpc\securityservice[defaultauthlevel] Oueries value:

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

Queries value:

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

Queries value:

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

Queries value:

 $HKLM \setminus system \setminus current control set \setminus services \setminus tcpip \setminus parameters \setminus winsock [helperdllname]$ 

HKLM\system\currentcontrolset\services\dnscache\parameters[queryadaptername] Queries value:

HKLM\system\currentcontrolset\services\tcpip\parameters[disableadapterdomainname] Oueries value:

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

Queries value:

 $\label{thm:local_transform} \parbox{$\tt HKLM\system\currentcontrolset\services\tcpip\parameters[usedomainnamedevolution]} \parbox{$\tt HKLM\system\currentcontrolset\services\tcpip\parameters[usedomainnamedevolution]} \parbox{$\tt HKLM\system\currentcontrolset\services\tcpip\parameters[usedomainnamedevolution]]} \parbox{$\tt HKLM\system\current\c$ 

Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[prioritizerecorddata]

Oueries value:

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

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

Oueries value:

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

Oueries value:

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

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

Queries value:

Oueries value:

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

HKLM\svstem\currentcontrolset\services\dnscache\parameters[waitfornameerroronall1]

Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[useedns]

Queries value:

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

Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[usehostsfile]

Oueries value:

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

Queries value:

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

Oueries value:

Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registeradaptername] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[enableadapterdomainnameregistration] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registerreverselookup] Oueries value: Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registerwanadapters] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[disablewandynamicupdate] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registrationttl] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationttl] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registrationrefreshinterval] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[defaultregistrationrefreshinterval] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[registrationmaxaddresscount] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[maxnumberofaddressestoregister] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[updatesecuritylevel] HKLM\system\currentcontrolset\services\tcpip\parameters[updatesecuritylevel] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[updatezoneexcludefile] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[updatetopleveldomainzones] HKLM\system\currentcontrolset\services\dnscache\parameters[dnstest] Queries value: Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachesize] Oueries value: HKLM\system\currentcontrolset\services\dnscache\parameters[maxcachettl] HKLM\system\currentcontrolset\services\dnscache\parameters[maxnegativecachettl] Queries value:  $HKLM \setminus system \setminus current control set \setminus services \setminus dns cache \setminus parameters [adapter time out limit]$ Queries value: HKLM\svstem\currentcontrolset\services\dnscache\parameters[maxcachedsockets] Queries value: HKLM\system\currentcontrolset\services\dnscache\parameters[multicastlistenlevel] Queries value:  $HKLM \setminus system \setminus current control set \setminus services \setminus dnscache \setminus parameters [multicast sendle vel]$ Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters[dnsquickquerytimeouts] Oueries value: HKLM\system\currentcontrolset\services\tcpip\parameters[dnsmulticastquerytimeouts] Queries value: c7d49d7cecdc}[queryadaptername] Oueries value: c7d49d7cecdc}[disableadapterdomainname] HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3c7d49d7cecdc}[registrationenabled] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3c7d49d7cecdc}[registeradaptername] c7d49d7cecdc}[registrationmaxaddresscount] Queries value: HKLM\system\currentcontrolset\services\tcpip\parameters\interfaces\{16325b0b-4636-4303-abe3c7d49d7cecdc}[maxnumberofaddressestoregister] c7d49d7cecdc}[domain] Queries value:  $HKLM \ system \ current control set \ services \ tcpip \ parameters \ interfaces \ \{16325b0b-4636-4303-abe3-4300-abe3-4300-a$ c7d49d7cecdc}[dhcpdomain] c7d49d7cecdc}[ipautoconfigurationenabled] Queries value: 

c7d49d7cecdc}[addresstype]

Oueries value:

c7d49d7cecdc}[nameserver]

Queries value:

c7d49d7cecdc}[dhcpnameserver]

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

Oueries value:

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

HKLM\system\currentcontrolset\services\ldap[ldapclientintegrity] Queries value: HKLM\software\microsoft\cryptography\defaults\provider\microsoft strong Oueries value:

cryptographic provider[type]

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

cryptographic provider[image path]

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

manager[safeprocesssearchmode]

HKLM\software\microsoft\cryptography[machineguid] Oueries value:

Queries value: HKLM\system\currentcontrolset\services\winsock2\parameters[autodialdll]

Value changes: HKLM\software\microsoft\cryptography\rng[seed]

Value changes:

806d6172696f}[baseclass]

HKCU\software\microsoft\windows\currentversion\explorer\shell Value changes:

folders[desktop]

Value changes: HKCU\software\microsoft\windows\currentversion\explorer\shell

folders[start menu]

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

Value changes:

folders[programs] HKCU\software\microsoft\windows\currentversion\explorer\shell Value changes:

folders[startup]

Value changes:

folders[appdata] HKCU\software\microsoft\windows\currentversion\explorer\shell

Value changes:

folders[personal]

Value changes:

folders[sendto]

Value changes:

HKCU\software\microsoft\windows\currentversion\explorer\shell folders[recent]

Value changes:

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

folders[favorites]

Value changes:  $\label{lem:hkcu} \begin{tabular}{ll} HKCU \software \microsoft \windows \current version \explorer \shell folders \cite{lem:hkcu} folders \cite{lem:$ music]

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

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

HKCU\software\microsoft\windows\currentversion\explorer\shell folders[mv

HKCU\software\microsoft\windows\currentversion\explorer\shell folders[my

Value changes:

pictures]

Value changes:

video1 Value changes:  $\label{local-constraint} \mbox{HKCU\software\mbox{\sc urrentversion\explorer\shell}} \mbox{}$ 

folders[nethood]

Value changes: HKCU\software\microsoft\windows\currentversion\explorer\shell

folders[fonts]

HKCU\software\microsoft\windows\currentversion\explorer\shell Value changes:

folders[templates]

Value changes: HKCU\software\microsoft\windows\currentversion\explorer\shell

folders[local appdata]

HKCU\software\microsoft\windows\currentversion\explorer\shell Value changes:

folders[printhood]

Value changes: HKCU\software\microsoft\windows\currentversion\explorer\shell

folders[cache]

HKCU\software\microsoft\windows\currentversion\explorer\shell Value changes:

folders[cookies]

Value changes: HKCU\software\microsoft\windows\currentversion\explorer\shell folders[history]

 $\label{lem:hkcu} \verb+KKCU\+ software\+ microsoft\+ windows\+ current version\+ explorer\+ shell$ Value changes: folders[administrative tools]

 $\label{lem:hkcu} \verb+KKCU \software \verb+microsoft \verb+windows \verb+current version \verb+explorer \verb+\shell folders [cd] \\$ Value changes:

burning1