Anubis - Analysis Report

Analysis Report for 4d5c010077f53177517d8a2c6f43da7e.zeustracker

MD5: 4d5c010077f53177517d8a2c6f43da7e

Summary:

Description	Risk
Write to foreign memory areas: This executable tampers with the execution of another process.	high
AV Hit: This executable is detected by an antivirus software.	high
Packed Binary: This executable is protected with a packer in order to prevent it from being reverse engineered.	medium
Spawns Processes: The executable produces processes during the execution.	low
Execution did not terminate correctly: The executable crashed.	medium
Performs Registry Activities: The executable creates and/or modifies registry entries.	low

Dependency overview:

4d5c010077.exe C:\4d5c010077.exe

Analysis reason: Primary Analysis Subject

idap.exe C:\Documents and Settings\Administrator\Application Data\Wyip\idap.exe

Analysis reason: Started by 4d5c010077.exe

Table of Contents:

1. General Information.... 4
2. 4d5c010077.exe.... 4
   a) Registry Activities.... 4
   b) File Activities.... 8
   c) Process Activities.... 9
3. idap.exe.... 9
   a) Registry Activities.... 10
   b) File Activities.... 10

1. General Information

Information about Anubis' invocation	
Time needed:	241 s
Report created:	01/15/11, 20:28:49 UTC
Termination reason:	Timeout
Program version:	1.74.3362

2. 4d5c010077.exe

General information about this executable	
Analysis Reason:	Primary Analysis Subject
Filename:	4d5c010077.exe
MD5:	4d5c010077f53177517d8a2c6f43da7e
SHA-1:	23efd1aee2dc2c136fa47aac094512dc2541318e
File Size:	170344
Command Line:	"C:\4d5c010077.exe"
Process-status at analysis end:	alive
Exit Code:	0

Load-time Dlls

Module Name	Base Address	Size
C:\WINDOWS\system32\ntdll.dll	0x7C900000	0x000AF000
C:\WINDOWS\system32\kernel32.dll	0x7C800000	0x000F6000
C:\WINDOWS\system32\advapi32.dll	0x77DD0000	0x0009B000
C:\WINDOWS\system32\RPCRT4.dll	0x77E70000	0x00092000
C:\WINDOWS\system32\Secur32.dll	0x77FE0000	0x00011000
C:\WINDOWS\system32\gdi32.dll	0x77F10000	0x00049000
C:\WINDOWS\system32\USER32.dll	0x7E410000	0x00091000
C:\WINDOWS\system32\shlwapi.dll	0x77F60000	0x00076000
C:\WINDOWS\system32\msvcrt.dll	0x77C10000	0x00058000

Run-time Dlls

Module Name	Base Address	Size
C:\WINDOWS\system32\NETAPI32.dll	0x5B860000	0x00055000
C:\WINDOWS\system32\comctl32.dll	0x5D090000	0x0009A000
C:\WINDOWS\system32\WS2HELP.dll	0x71AA0000	0x00008000
C:\WINDOWS\system32\WS2_32.dll	0x71AB0000	0x00017000
C:\WINDOWS\system32\OLEAUT32.dll	0x77120000	0x0008B000
C:\WINDOWS\system32\WININET.dll	0x771B0000	0x000AA000
C:\WINDOWS\WinSxS\x86_Microsoft.Windows.Common-Controls_6595b64144ccf1df_6.0.2600.5512_x-ww_35d4ce83\comctl32.dll	0x773D0000	0x00103000
C:\WINDOWS\system32\ole32.dll	0x774E0000	0x0013D000
C:\WINDOWS\system32\CRYPT32.dll	0x77A80000	0x00095000
C:\WINDOWS\system32\MSASN1.dll	0x77B20000	0x00012000
C:\WINDOWS\system32\Apphelp.dll	0x77B40000	0x00022000
C:\WINDOWS\system32\SHELL32.dll	0x7C9C0000	0x00817000

SigBuster Output

UPX All_Versions SN:1634

Ikarus Virus Scanner

Trojan-Spy.Zbot (Sig-Id:49902614)

2.a) 4d5c010077.exe - Registry Activities

Registry Keys Created:

HKU\S-1-5-21-842925246-1425521274-308236825-500\SOFTWARE\Microsoft\Ypaszi

Registry Values Modified:

Key	Name	New Value
HKU\S-1-5-21-842925246-1425521274-308236825-500\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders	AppData	C:\Documents and Settings\Administrator\Application Data

Registry Values Read:

Key	Name	Value	Times
HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion	DigitalProductId	0xa400000003000000373634383 72d36343302d313435373233362d32333833	1
HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion	InstallDate	1212451221	1
HKLM\SYSTEM\CurrentControlSet\Control\Session Manager	CriticalSectionTimeout	2592000	1
HKLM\SYSTEM\Setup	SystemSetupInProgres	0	1
HKLM\SYSTEM\WPA\MediaCenter	Installed	0	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers	AuthenticodeEnabled	0	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers	DefaultLevel	262144	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers	PolicyScope	0	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers	TransparentEnabled	1	2
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{349d35ab-37b5-462f-9b89-edd5fbde1328}	HashAlg	32771	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{349d35ab-37b5-462f-9b89-edd5fbde1328}	ItemData	0x5eab304f957a49896a006c1c31154015	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{349d35ab-37b5-462f-9b89-edd5fbde1328}	ItemSize	779	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{349d35ab-37b5-462f-9b89-edd5fbde1328}	SaferFlags	0	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{7fb9cd2e-3076-4df9-a57b-b813f72dbb91}	HashAlg	32771	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{7fb9cd2e-3076-4df9-a57b-b813f72dbb91}	ItemData	0x67b0d48b343a3fd3bce9dc646704f394	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{7fb9cd2e-3076-4df9-a57b-b813f72dbb91}	ItemSize	517	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{7fb9cd2e-3076-4df9-a57b-b813f72dbb91}	SaferFlags	0	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{81d1fe15-dd9d-4762-b16d-7c29ddecae3f}	HashAlg	32771	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{81d1fe15-dd9d-4762-b16d-7c29ddecae3f}	ItemData	0x327802dcfef8c893dc8ab006dd847d1d	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{81d1fe15-dd9d-4762-b16d-7c29ddecae3f}	ItemSize	918	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{81d1fe15-dd9d-4762-b16d-7c29ddecae3f}	SaferFlags	0	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{94e3e076-8f53-42a5-8411-085bcc18a68d}	HashAlg	32771	1

Registry Values Read:

Key	Name	Value	Times
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{94e3e076-8f53-42a5-8411-085bcc18a68d}	ItemData	0xbd9a2adb42ebd8560e250e4df8162f67	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{94e3e076-8f53-42a5-8411-085bcc18a68d}	ItemSize	229	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{94e3e076-8f53-42a5-8411-085bcc18a68d}	SaferFlags	0	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{dc971ee5-44eb-4fe4-ae2e-b91490411bfc}	HashAlg	32771	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{dc971ee5-44eb-4fe4-ae2e-b91490411bfc}	ItemData	0x386b085f84ecf669d36b956a22c01e80	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{dc971ee5-44eb-4fe4-ae2e-b91490411bfc}	ItemSize	370	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Hashes\{dc971ee5-44eb-4fe4-ae2e-b91490411bfc}	SaferFlags	0	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Paths\{dda3f824-d8cb-441b-834d-be2efd2c1a33}	ItemData	%HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders\Cache%OLK*	1
HKLM\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers\0\Paths\{dda3f824-d8cb-441b-834d-be2efd2c1a33}	SaferFlags	0	1
HKLM\System\CurrentControlSet\Control\ComputerName\ActiveComputerName	ComputerName	PC	2
HKLM\System\CurrentControlSet\Control\Terminal Server	TSUserEnabled	0	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters	WinSock_Registry_Ver	2.0	2
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5	Num_Catalog_Entries	3	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5	Serial_Access_Num	4	2
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000001	DisplayString	Tcpip	4
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000001	Enabled	1	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000001	LibraryPath	%SystemRoot%\System32\mswsock.dll	2
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000001	ProviderId	0x409d05229e7ecf11ae5a00aa00a7112b	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000001	StoresServiceClassInfo	0	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000001	SupportedNameSpace	12	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000001	Version	0	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000002	DisplayString	NTDS	4
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000002	Enabled	1	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000002	LibraryPath	%SystemRoot%\System32\winrnr.dll	2

Registry Values Read:

Key	Name	Value	Times
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000002	ProviderId	0xee37263b80e5cf11a55500c04fd8d4ac	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000002	StoresServiceClassInfo	0	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000002	SupportedNameSpace	32	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000002	Version	0	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000003	DisplayString	Network Location Awareness (NLA) Namespace	4
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000003	Enabled	1	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000003	LibraryPath	%SystemRoot%\System32\mswsock.dll	2
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000003	ProviderId	0x3a244266a83ba64abaa52e0bd71fdd83	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000003	StoresServiceClassInfo	0	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000003	SupportedNameSpace	15	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entries\000000000003	Version	0	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9	Next_Catalog_Entry_ID	1012	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9	Num_Catalog_Entries	11	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9	Serial_Access_Num	4	2
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entries\000000000001	PackedCatalogItem	%SystemRoot%\system32\mswsock.	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entries\000000000002	PackedCatalogItem	%SystemRoot%\system32\mswsock.	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entries\000000000003	PackedCatalogItem	%SystemRoot%\system32\mswsock.	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entries\000000000004	PackedCatalogItem	%SystemRoot%\system32\rsvpsp.d	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entries\000000000005	PackedCatalogItem	%SystemRoot%\system32\rsvpsp.d	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entries\000000000006	PackedCatalogItem	%SystemRoot%\system32\mswsock.	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entries\000000000007	PackedCatalogItem	%SystemRoot%\system32\mswsock.	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entries\000000000008	PackedCatalogItem	%SystemRoot%\system32\mswsock.	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entries\000000000009	PackedCatalogItem	%SystemRoot%\system32\mswsock.	1

Registry Values Read:

Key	Name	Value	Times
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entries\000000000010	PackedCatalogItem	%SystemRoot%\system32\mswsock.	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entries\000000000011	PackedCatalogItem	%SystemRoot%\system32\mswsock.	1
HKU\S-1-5-21-842925246-1425521274-308236825-500\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders	Cache	C:\Documents and Settings\Administrator\Local Settings\Temporary Internet Files	1
HKU\S-1-5-21-842925246-1425521274-308236825-500\Software\Microsoft\Windows\CurrentVersion\Explorer\User Shell Folders	AppData	%USERPROFILE%\Application Data	1

Monitored Registry Keys:

Key Name	Watch subtree	Notify Filter	Count
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\NameSpace_Catalog5	0	Key Change	1
HKLM\System\CurrentControlSet\Services\WinSock2\Parameters\Protocol_Catalog9	0	Key Change	1

2.b) 4d5c010077.exe - File Activities

Files Created:

C:\Documents and Settings\Administrator\Application Data\Labiom
C:\Documents and Settings\Administrator\Application Data\Labiom\ewant.ech
C:\Documents and Settings\Administrator\Application Data\Wyip
C:\Documents and Settings\Administrator\Application Data\Wyip\idap.exe

Files Read:

C:\4d5c010077.exe
PIPE\lsarpc

Files Modified:

C:\Documents and Settings\Administrator\Application Data\Wyip\idap.exe
MountPointManager
PIPE\lsarpc

Directories Created:

C:\Documents and Settings\Administrator\Application Data\Labiom
C:\Documents and Settings\Administrator\Application Data\Wyip

File System Control Communication:

File	Control Code	Times
PIPE\lsarpc	0x0011C017	11

Device Control Communication:

File	Control Code	Times
\Device\KsecDD	0x00390008	1
C:	0x004D0008	2
MountPointManager	0x006D0008	2

Memory Mapped Files:

File Name
C:\Documents and Settings\Administrator\Application Data\Wyip\idap.exe
C:\WINDOWS\WinSxS\x86_Microsoft.Windows.Common-Controls_6595b64144ccf1df_6.0.2600.5512_x-ww_35d4ce83\comctl32.dll

Memory Mapped Files:
File Name
C:\WINDOWS\WindowsShell.Manifest
C:\WINDOWS\system32\Apphelp.dll
C:\WINDOWS\system32\SHELL32.dll
C:\WINDOWS\system32\WININET.dll
C:\WINDOWS\system32\WS2HELP.dll
C:\WINDOWS\system32\WS2_32.dll
C:\WINDOWS\system32\comctl32.dll
C:\Windows\AppPatch\sysmain.sdb

2.c) 4d5c010077.exe - Process Activities

Processes Created:	
Executable	**Command Line**
C:\Documents and Settings\Administrator \Application Data\Wyip\idap.exe	
	"C:\Documents and Settings\Administrator\Application Data\Wyip\idap.exe"

Remote Threads Created:
Affected Process
C:\Documents and Settings\Administrator\Application Data\Wyip\idap.exe

Foreign Memory Regions Read:
Process: C:\Documents and Settings\Administrator\Application Data\Wyip\idap.exe

Foreign Memory Regions Written:
Process: C:\Documents and Settings\Administrator\Application Data\Wyip\idap.exe

3. idap.exe

General information about this executable	
Analysis Reason:	Started by 4d5c010077.exe
Filename:	idap.exe
MD5:	2ff673e9de975a24b20a72bb0caef7b4
SHA-1:	51fb815c030cc9b07b813113677c19ca77a27edf
File Size:	170344
Command Line:	"C:\Documents and Settings\Administrator\Application Data\Wyip\idap.exe"
Process-status at analysis end:	alive
Exit Code:	0

Load-time Dlls		
Module Name	**Base Address**	**Size**
C:\WINDOWS\system32\ntdll.dll	0x7C900000	0x000AF000
C:\WINDOWS\system32\kernel32.dll	0x7C800000	0x000F6000
C:\WINDOWS\system32\advapi32.dll	0x77DD0000	0x0009B000
C:\WINDOWS\system32\RPCRT4.dll	0x77E70000	0x00092000
C:\WINDOWS\system32\Secur32.dll	0x77FE0000	0x00011000
C:\WINDOWS\system32\gdi32.dll	0x77F10000	0x00049000
C:\WINDOWS\system32\USER32.dll	0x7E410000	0x00091000
C:\WINDOWS\system32\shlwapi.dll	0x77F60000	0x00076000
C:\WINDOWS\system32\msvcrt.dll	0x77C10000	0x00058000

SigBuster Output
UPX All_Versions SN:1634

3.a) idap.exe - Registry Activities

Registry Values Read:

Key	Name	Value	Times
HKLM\System\CurrentControlSet\Control\Terminal Server	TSAppCompat	0	3
HKLM\System\CurrentControlSet\Control\Terminal Server	TSUserEnabled	0	1

3.b) idap.exe - File Activities

File System Control Communication:

File	Control Code	Times
C:\Documents and Settings\Administrator\Application Data	0x00090028	1