

Regshot 1.9.0 x86 Unicode

Compare logs save as:

☒ Plain TXT ☐ HTML document

☐ Scan dir1[;dir2;dir3;...;dir nn]:

C:\WINDOWS ...

Output path:

C:\DOCUME~1\ADMINI~1' ...

Add comment into the log:

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About

English ▼

Shot

Shot and Save...

Load...

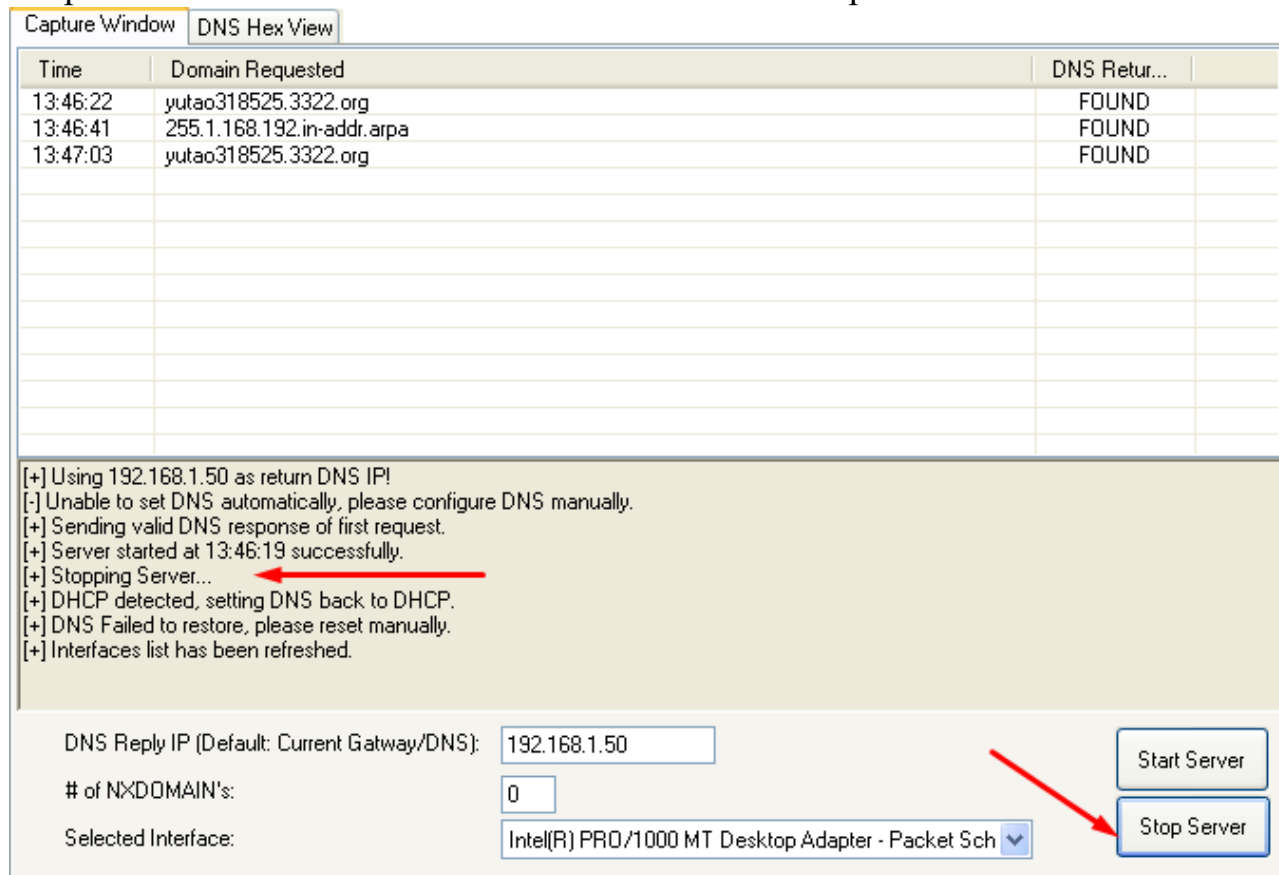
The screenshot shows the ApateDNS application window. At the top, there are two tabs: "Capture Window" and "DNS Hex View". Below the tabs is a large table with columns labeled "Time", "Domain Requested", and "DNS Return...". The table is currently empty. Below the table, there is a log area displaying several status messages:

- [+] Using 192.168.1.50 as return DNS IP!
- [!] Unable to set DNS automatically, please configure DNS manually.
- [+] Sending valid DNS response of first request.
- [+] Server started at 13:22:43 successfully.

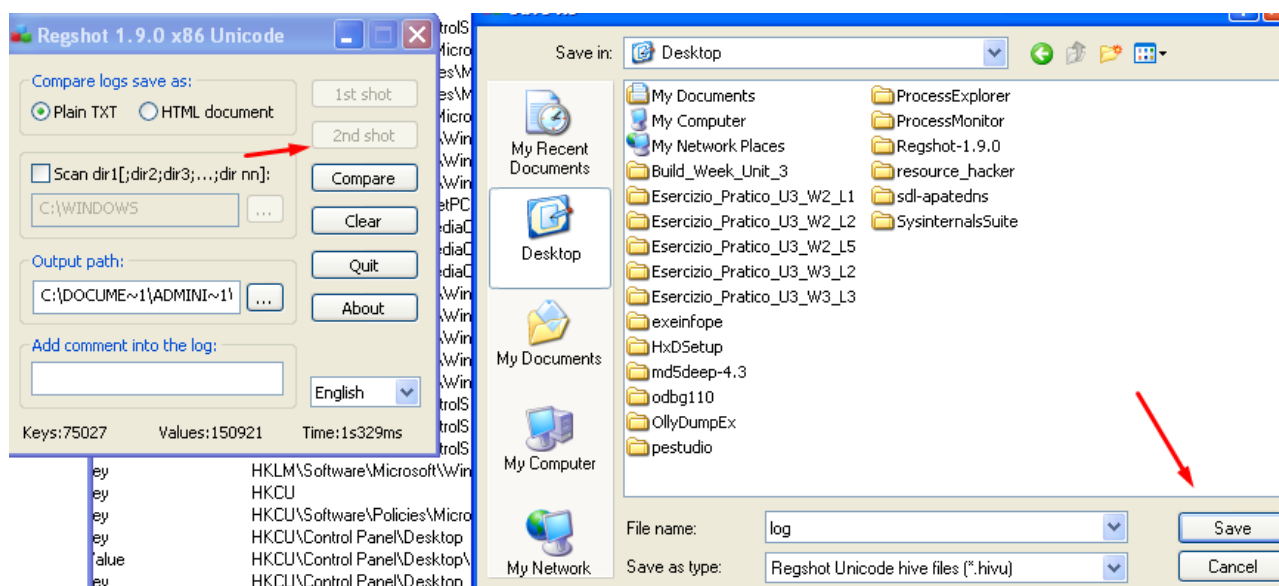
A red arrow points from the log area towards the bottom right corner of the window. In the bottom right corner, there are two buttons: "Start Server" and "Stop Server". To the left of these buttons, there are three input fields:

- DNS Reply IP (Default: Current Gateway/DNS): 192.168.1.50
- # of NXDOMAIN's: 0
- Selected Interface: Intel(R) PRO/1000 MT Desktop Adapter - Packet Sch [v]

Fatto ciò, andiamo ad avviare il Malware ed andiamo ad aggiungere ai filtri il Process Name del Malware stesso. Aspettiamo qualche secondo ed interrompiamo la cattura dei processi ed andiamo a fermare il server creato con ApateDNS:



Fatto ciò, andiamo a fare il secondo shot con RegShot per poi andare a fare una comparazione:



Fatto ciò andiamo a controllare da Procmon ciò che il Malware ha effettuato, iniziando a visualizzare le azione fatte su File System:

1:46:27.59153...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\Prefetch\MALWARE_U3_W2_L2.EXE-1535026A.pf	SUCCESS
1:46:27.59529...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\	SUCCESS
1:46:27.59811...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\	SUCCESS
1:46:27.59936...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\DOCUMENTS AND SETTINGS	SUCCESS
1:46:27.60191...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\Documents and Settings\Administrator	SUCCESS
1:46:27.60334...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\Documents and Settings\Administrator\Desktop	SUCCESS
1:46:27.60568...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\Documents and Settings\Administrator\Desktop\Esercizio_PRATICO_U3_W2_L2	SUCCESS
1:46:27.60793...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS	SUCCESS
1:46:27.61007...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\AppPatch	SUCCESS
1:46:27.61135...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32	SUCCESS
1:46:27.61603...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\ntdll.dll	SUCCESS
1:46:27.61661...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\kernel32.dll	SUCCESS
1:46:27.61762...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\unicode.nls	SUCCESS
1:46:27.61820...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\locale.nls	SUCCESS
1:46:27.61913...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\sorttbls.nls	SUCCESS
1:46:27.61953...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\Documents and Settings\Administrator\Desktop\Esercizio_Pratico_U3_W2_L2\MALWARE_U3_W2_L2.EXE	SUCCESS
1:46:27.62051...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\ctype.nls	SUCCESS
1:46:27.62109...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\sortkey.nls	SUCCESS
1:46:27.62204...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\apphelp.dll	SUCCESS
1:46:27.62278...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\AppPatch\sysmain.sdb	SUCCESS
1:46:27.62358...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\version.dll	SUCCESS
1:46:27.62416...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\svchost.exe	SUCCESS
1:46:27.62506...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\advapi32.dll	SUCCESS
1:46:27.62564...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\iprt4.dll	SUCCESS
1:46:27.62642...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\securl32.dll	SUCCESS
1:46:27.63493...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\ntdll.dll	SUCCESS
1:46:27.63954...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\kernel32.dll	SUCCESS
1:46:27.63640...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\Documents and Settings\Administrator\Desktop\Esercizio_Pratico_U3_W2_L2\MALWARE_U3_W2_L2.EXE	SUCCESS
1:46:27.63686...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\apphelp.dll	SUCCESS
1:46:27.63790...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\version.dll	SUCCESS
1:46:27.63850...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\advapi32.dll	SUCCESS
1:46:27.63948...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\iprt4.dll	SUCCESS
1:46:27.64007...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\securl32.dll	SUCCESS
1:46:27.64636...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\Documents and Settings\Administrator\Desktop\Esercizio_Pratico_U3_W2_L2	SUCCESS
1:46:27.65726...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\svchost.exe	SUCCESS
1:46:27.65833...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\apphelp.dll	SUCCESS
1:46:27.66018...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\apphelp.dll	SUCCESS
1:46:27.66150...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\AppPatch\sysmain.sdb	SUCCESS
1:46:27.66253...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\AppPatch\sysrest.sdb	NAME NOT FOUND
1:46:27.66292...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32	SUCCESS
1:46:27.66362...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\	SUCCESS
1:46:27.66390...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS	SUCCESS
1:46:27.66475...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32	SUCCESS
1:46:27.66662...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\svchost.exe	SUCCESS
1:46:27.66778...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\svchost.exe	SUCCESS
1:46:27.66910...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\svchost.exe	SUCCESS
1:46:27.67284...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\svchost.exe	SUCCESS
1:46:27.67387...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\	SUCCESS
1:46:27.67414...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS	SUCCESS
1:46:27.67630...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32	SUCCESS
1:46:27.68034...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\	SUCCESS
1:46:27.68062...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS	SUCCESS
1:46:27.68108...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32	SUCCESS
1:46:27.68543...	Malware_U3_W2_L2.exe	2668	CreateFile	C:\WINDOWS\system32\svchost.exe.Manifest	NAME NOT FOUND

Ora controlliamo se ha creato un nuovo processo o thread, come di seguito:

1:46:27.59861...	Malware_U3_W2_L2.exe	2668	Process Start		SUCCESS	Parent PID: 844, Command line: "C:\Documents and Settings\Administrator\Desktop\Esercizio_Pratico_U3_W2_L2\Malware_U3_W2_L2.exe"
1:46:27.59861...	Malware_U3_W2_L2.exe	2668	Thread Create		SUCCESS	Thread ID: 2672
1:46:27.59910...	Malware_U3_W2_L2.exe	2668	Load Image	C:\Documents and Settings\Administrator\Desktop\Esercizio_Pratico_U3_W2_L2\Malware_U3_W2_L2.exe	SUCCESS	Image Base: 0x400000, Image Size: 0xd000
1:46:27.59916...	Malware_U3_W2_L2.exe	2668	Load Image	C:\WINDOWS\system32\ntdll.dll	SUCCESS	Image Base: 0x7c900000, Image Size: 0xa000
1:46:27.59926...	Malware_U3_W2_L2.exe	2668	Load Image	C:\WINDOWS\system32\kernel32.dll	SUCCESS	Image Base: 0x7c800000, Image Size: 0x60000
1:46:27.59936...	Malware_U3_W2_L2.exe	2668	Load Image	C:\WINDOWS\system32\apphelp.dll	SUCCESS	Image Base: 0x774d0000, Image Size: 0x2000
1:46:27.59939...	Malware_U3_W2_L2.exe	2668	Load Image	C:\WINDOWS\system32\version.dll	SUCCESS	Image Base: 0x77c00000, Image Size: 0x8000
1:46:27.59942...	Malware_U3_W2_L2.exe	2668	Load Image	C:\WINDOWS\system32\svchost.exe	SUCCESS	Image Base: 0x776d0000, Image Size: 0x8000
1:46:27.59945...	Malware_U3_W2_L2.exe	2668	Load Image	C:\WINDOWS\system32\iprt4.dll	SUCCESS	Image Base: 0x77670000, Image Size: 0x5000
1:46:27.59948...	Malware_U3_W2_L2.exe	2668	Load Image	C:\WINDOWS\system32\securl32.dll	SUCCESS	Image Base: 0x776e0000, Image Size: 0x10000
1:46:27.59951...	Malware_U3_W2_L2.exe	2672	Process Create	C:\WINDOWS\system32\svchost.exe	SUCCESS	Image Base: 0x776d0000, Image Size: 0x8000
1:46:28.69042...	Malware_U3_W2_L2.exe	2668	Thread Exit		SUCCESS	Thread ID: 2672, User Time: 0.000000, Kernel Time: 0.046870
1:46:28.69047...	Malware_U3_W2_L2.exe	2668	Process Exit		SUCCESS	Exit Status: 0, User Time: 0.0156250 seconds, Kernel Time: 0.0312500 seconds, Private Bytes: 274,432, Peak Private Bytes: 307,200, Working

Il processo creato **svchost.exe**, non è di per sé un virus poiché è un file usato da molte applicazioni Windows, anche se in passato hanno inserito file dannosi all'interno del servizio **svchost.exe** per impedirne il rilevamento.

Facendo un'analisi un po' più approfondita, si riesce a trovare che il Malware usa la libreria **iprt4.dll**, la quale serve per effettuare connessioni UDP e TCP ad un IP non conosciuto, ma non avendo accesso ad internet ha fallito l'operazione. Possiamo categorizzare il Malware come un Trojan poiché non essendo di per sé malevolo, può ingannare le difese del PC e connettersi al server per scaricare materiale potenzialmente dannoso.