

NetScanTools® Pro



Monthly Newsletter

www.netscantools.com

March 2014

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In this newsletter:

News

- **Managed Switch Port Mapping Tool 2.32 released March 14, 2014**
- **NetScanTools® Pro - next update almost finished – with pictures**
- **We are now using a Content Download Service**
- **Are you having problems pasting text?**
- **NetScanTools® Pro Version 11.53 released November 1, 2013**
- **You have the NetScanTools Pro® Maintenance Plan, but you are still many versions behind – why?**

News...

From the Editor...

Look for more new releases soon. Sorry about your winter, ours was very short here.

-Kirk

Managed Switch Port Mapping Tool 2.32 Released March 14, 2013

This release and the one just prior address problems doing simultaneous reads and writes in SQLite. The SQLITE_BUSY error message appeared to some users (we never see it here). It occurs when we use a SELECT to read data from a table in a loop, then write data into another table. We have corrected it by using BEGIN/COMMIT statements. If anyone has insight into this, let me know – this type of action has been done in the software for years and is only now a problem.

Details of the changes in versions 2.32 and 2.31

2.32 March 14, 2014

- Corrected seven places that could potentially give the SQLITE_BUSY error message.
- Improved operating system reporting in error message.
- Updated SQLite to version 3.8.4.1
- Updated MAC address/Manufacturer database.

2.31 March 4, 2014

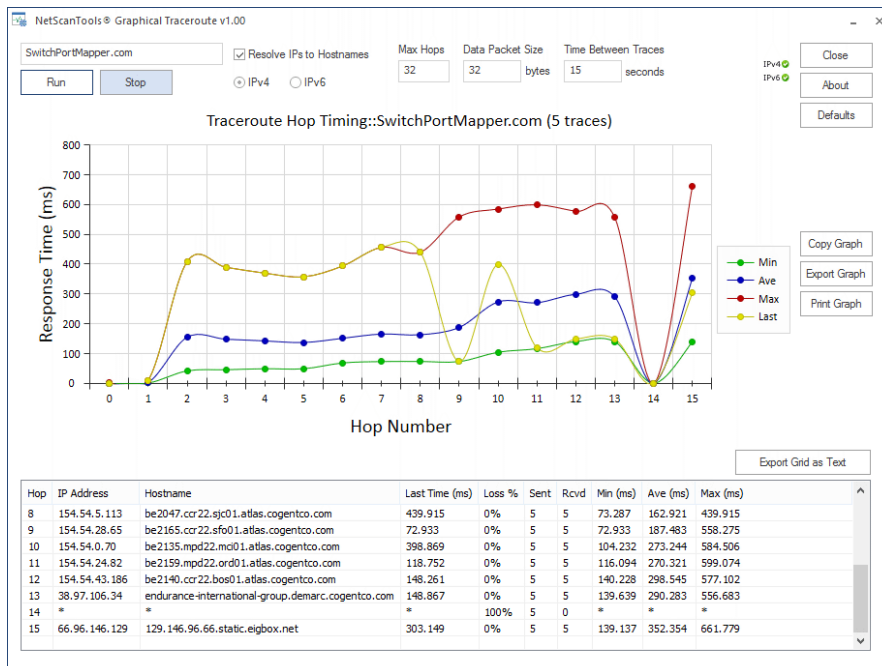
- Corrected error 'GetDataFromSwitch: INSERT OR IGNORE INTO tempMacList'.
- Checks for missing SNMPv1/v2c community name added to Settings dialog.
- Checks for missing SNMPv1/v2c community name added to ARP table SNMP retrieval.
- User is now notified if Ping Sweep is enabled and the Ping Sweep target IP list is empty.

Get the new release at SwitchPortMapper.com.

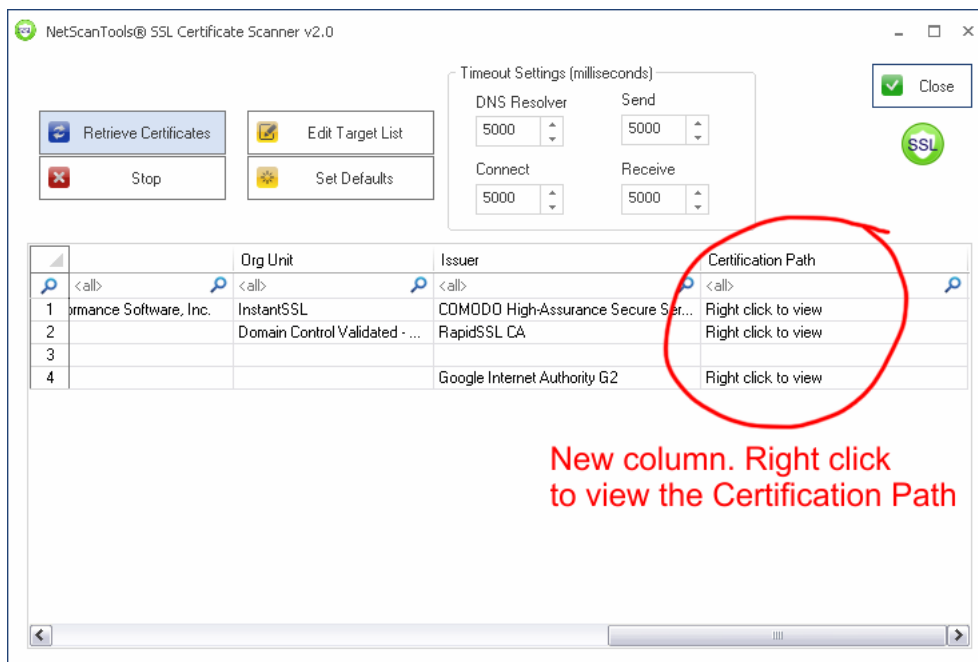
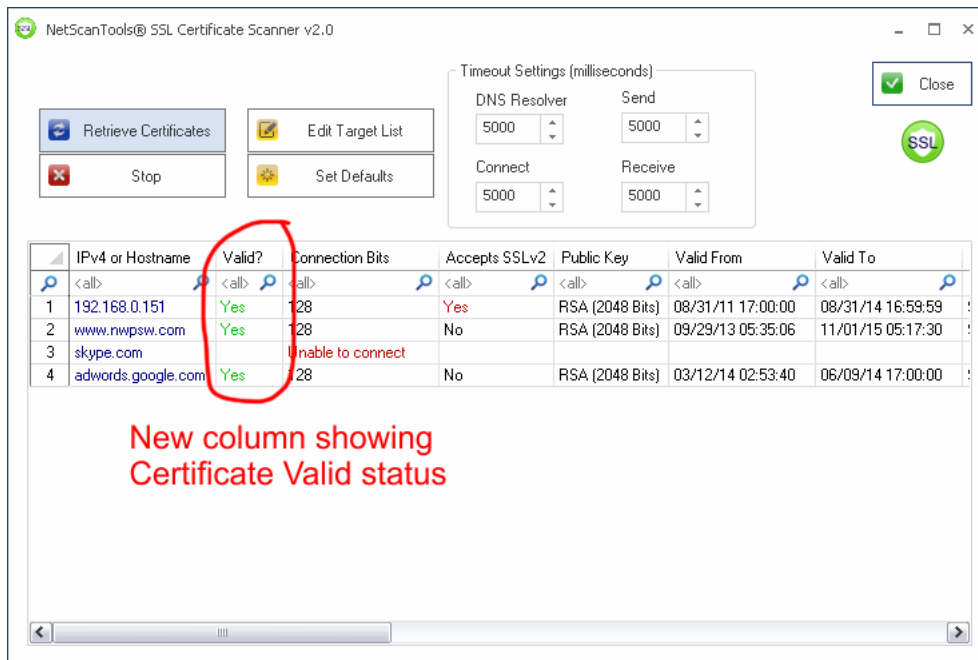
NetScanTools® Pro – next update almost finished – with pictures

In case you are wondering when the next update is coming, well it's coming along well.

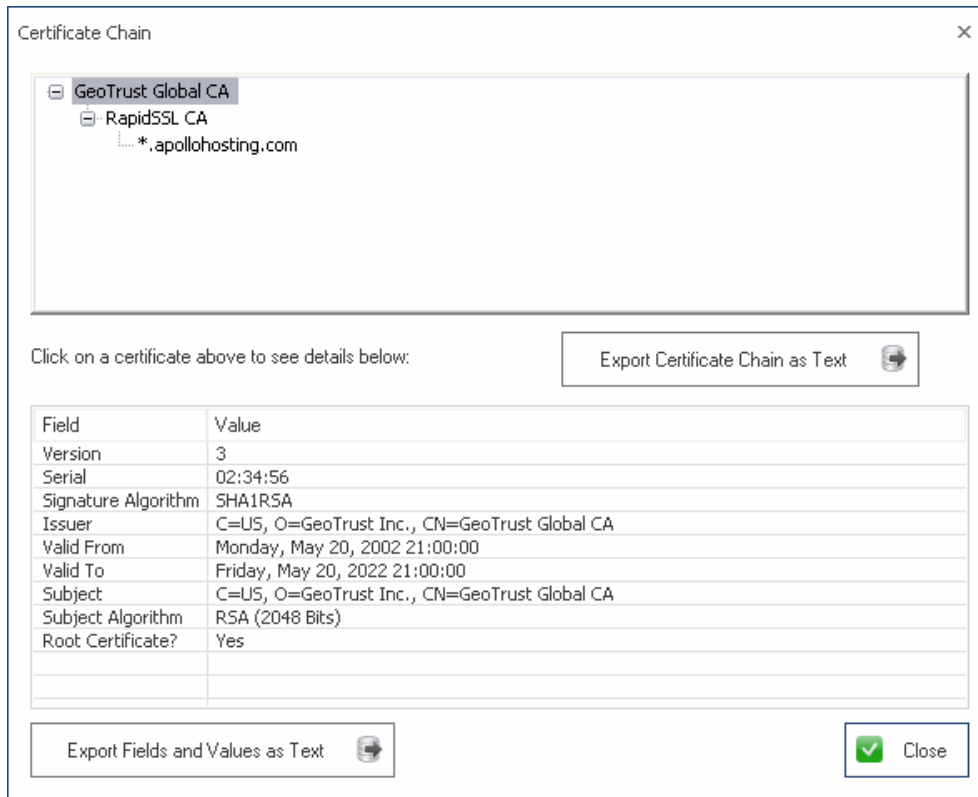
There is a new tool called **Graphical Traceroute**. It targets a specific device and continuously does a traceroute over and over again. We compile statistics for each hop and show them in a standard grid similar to the old command line tool called MTR, but we also show the traceroute results in a graph and it does IPv6. The graph shows the hops vs min, max, average and last trace times.



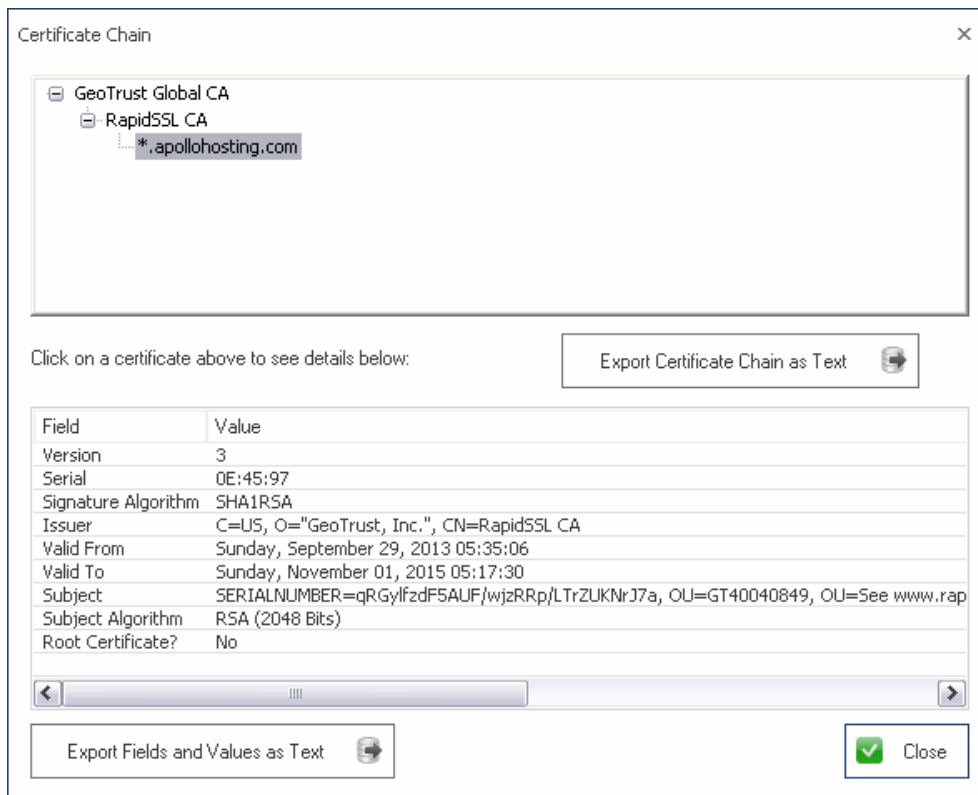
The SSL Certificate Scanner now has a way to show and export the details of the certificate chain up to the root certificate. Here are four images showing the changes:



This image shows the root certificate in the certificate chain. You can export the chain to a text file.



This image shows the subject website certificate.



Whois changes. As you may be aware, ICAAN has approved quite a few new Top Level Domains (TLDs). We are adding support for as many of those that have whois servers as possible. TLDs like photo, build, club, pics and more will be included in the whois domain database meaning you will be able to do a whois query on the new domains.

Other changes are in work including recognizing when a security or anti-virus program is interfering with your need to paste from the clipboard into NetScanTools Pro. Ping Scanner (AKA Ping Sweep or NetScanner) will have a new shortcut button to scan a /24 network with one button push.

We are now using a Content Download Service

In January we began using a content download service which will make it easier (faster) for our customers and trial users to download our software. We are still in the process of transitioning, but expect to have it complete soon.

NetScanTools® Pro version 11.53 released November 1, 2013

This release is a very important release in that it corrects problems sending packets via WinPcap through Wifi interfaces and secondary network interfaces.

WiFi: Users have told us that *some?/many?/too many?* WiFi interfaces could not be opened for sending and receiving packets with WinPcap (all of our test interfaces worked fine). For example, in Ping you could not use the WinPcap ping modes with the selected WiFi interface – you got a message saying it 'could not open interface for packet sending. Please exit and restart NetScanTools Pro'. This was because the interface could not be opened in the default Promiscuous Mode. This has been fixed and any related error messages have been significantly improved to tell you and us what the problem actually is.

Multiple Network Interfaces: Ping or Traceroute might be showing you two interfaces, one wired and one wireless, but we recently found you could only send and receive packets from the first interface in the list. That problem has been fixed.

Here are the details of the changes in v11.53.

NOTE: The following WinPcap related changes affect ARP Ping, ARP Scan, Duplicate IP Address Scanner, OS Fingerprinting, Packet Capture Playback, Packet Generator, Ping, Port Scanner, Promiscuous Mode Scanner, Traceroute, Connection Monitor, Packet Capture, Passive Discovery, SNMP Dictionary Attack and SNMP Scanner.

- Changed the way WinPcap supported interfaces are opened so that adapters that do not support promiscuous mode will be opened. This primarily affects WiFi adapters.

- Fixed a problem where if the computer has more than one WinPcap capable interface, packets exiting the secondary interface were not being assigned the correct MAC address of the default gateway for the secondary interface network.
- Significantly expanded error message reporting that appears if opening a WinPcap interface fails.
- Removed support for versions of WinPcap older than 3.1.

Other Changes:

- DHCP Server Discovery: added DHCP Server MAC Address column.
- DNS Tools - Core/Edit Hosts File, TimeSync: fixed administrator privileges detection so the 'privileges required' message will only appear if you do not have enough privileges. Also affects some portions of Network Connection Endpoints.
- Packet Generator/Packet Capture Playback: added support for opening and playing .pcap files in addition to .cap files.
- Ping Enhanced: fixed problem where TCP Ping was not sending a number of packets beyond the number shown in the Settings/TTL field. Default TTL (Max Hops) now set to 255.
- Updated SQLite to 3.8.1
- Updated database files.

You have the NetScanTools® Pro Maintenance Plan, but you are still many versions behind – why?

We see this all the time when people register. We see it when they renew their maintenance plan - we check the logs and see that they have never logged in and downloaded updates. For whatever the reason, the question remains, why are they installing 11.01 (for example) when we are at 11.42?

There are many good reasons to install the latest version: First of all is bug fixes, secondly there are new tools introduced with each .1, .2, .3, .4 etc. edition and thirdly, there are database updates.

OK – A Quick Review on upgrading to a new version. First thing you need is an active NetScanTools Pro maintenance plan. Start NetScanTools Pro and click on Help/Check for New Version. An embedded browser window opens up on the right side of the program. Click on the download link, a popup window appears. Enter your login credentials (shown to you in the program right above the embedded window) and download the zip file. Exit NetScanTools Pro and run the contents of the zip file which is actually a full install. Restart it and verify the latest version.

Contact Information

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