NetScanTools® Pro
Monthly Newsletter
www.netscantools.com

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In this newsletter:

News
- **NetScanTools® Pro - next update coming soon**
- **Are you having problems pasting text?**
- **Managed Switch Port Mapping Tool 2.23 released January 20, 2014**
- **Upcoming Changes to the Managed Switch Port Mapping Tool**
- **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...

Winter is here – at least for most of the US – stay warm!

-Kirk

NetScanTools® Pro – next update coming soon

In case you are wondering when the next update is coming, well it's coming soon. 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. The SSL Certificate Scanner will also have a way to show the certificate chain up to the root certificate.

Look for the next release in February.

Are you having problems pasting text?

Recently we had two NetScanTools Pro users (one in the US and one in Australia) report they could not paste text into NetScanTools Pro and one of them could not even complete registration. No matter what they did the pasting operation did not work. Ctrl-v or right click paste did not work at all. But they could paste into notepad.

The problem was narrowed down to this by one user and confirmed by the other: they were both running a popular security package called Webroot® SecureAnywhere for PC. One of its many functions is to prevent access to the clipboard from applications it is unfamiliar with. The application does this to stop clipboard stealing programs (like keyloggers) from obtaining private data and using it somehow. In this case the users were both using the same security app, but there may be other security apps that do the same thing: if the security program does not recognize the program requesting text from the clipboard during the paste operation, it empties the clipboard before it can be pasted.

The solution is simple:

1. Open Webroot® SecureAnywhere.
2. Click on the gear next to Identity Protection
3. Click on the Application Protection tab
4. Locate NetScanTools Pro (or the Managed Switch Port Mapping Tool) in the list and click on the Allow button. Copy and paste should now operate normally. If it does not, please contact Webroot® technical support.

The instructions above are unique to that application and there are probably others doing similar blocking techniques, so you will need to look for an application whitelisting method similar to the one above.

Managed Switch Port Mapping Tool 2.23 Released January 20, 2013

This release comes immediately after the release of v2.22 on January 17, 2014. There was only one small change between the two versions, so the bulk of the changes were in version 2.22.

The releases primarily focused on methods of reducing the size of the History Database which can grow large over time. Command line options were added to accomplish this as well as new controls available on the Review History window. A few minor problems were also addressed too.

Changes in v2.23 released January 20, 2014
-Fixed minor problem where a Warning message ("The switch did not respond with mapping from bridge ports to ifIndex…") might appear on Cisco switches. The switch was mapping correctly and the warning did not need to be shown - it only occurred if VLAN 1 was not used at all.

Changes in v2.22 released January 17, 2014
-Switch List Editor (important fix): corrected problem with the 'move up' control. Previously, it was copying the data from the device 2 field to both the device 2 and device 1 fields as it moved the selection up in the list. This made a switch list mapping not work correctly because the device 1 field may not be in the switch configuration list.
-Command Line: Added new option to compact all databases.
-Command Line: Added new option to delete data older than a user specified number of days from the history database.
-Review and Search Historical Switch Mapping Results: Added box showing current History Database size.
-Review and Search Historical Switch Mapping Results: Added Delete Results by Date button which gives a method of deleting old results from the History Database.
-Review and Search Historical Switch Mapping Results: Added Compact Database button.
-Review and Search Historical Switch Mapping Results: Fixed problem deleting selected results where an SQLite error would occur deleting from the dot1dBasePortIfIndex table.
-Database Maintenance: Compacting function has been extended to include history database.
-Database Maintenance: Warnings have been added if you try to erase the settings, SNMPdevices and switchConfig tables.
-Support mode event recording expanded.
-Corrected SQLite problem recording the switch list name to the support mode database after completing a switch list mapping.
-Web browser message about duplicate hostnames now suppressed using no error messages command line option.
-Improved speed of writing to history database by removing an unused index.
-SNMP Device Settings: Edit box prompts have been added.
-Updated MAC address/Manufacturer database.

Get the new release at SwitchPortMapper.com.

Upcoming Changes to the Managed Switch Port Mapping Tool

These are the changes coming in the next release:

- We will be changing the descriptive term Switch Config/Configurations most likely to Switch Group due to the ongoing confusion with Cisco configs accessible from Cisco CLI. *If you have an alternate suggestion, tell us now!*
- Improving Ping Sweep such that it will be tied to the switch, ie. every switch can have its own ping sweep range(s). This will most affect Switch List operation.
- We will be adding new method of remotely obtaining IP/MAC address pairings.
- Improving the documentation of how a Switch List is built and the various options for saving the data as it is gathered.

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 relatec 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

If you have any questions or suggestions, please feel free to email.

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