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NetScanTools® Pro



Monthly Newsletter

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News...

From the Editor...

I spent the last 4 weeks painting the outside of my house in my spare time before the weather turns colder. But I was still able to do lots of work on the Switch Port Mapper during that time. Check out all the changes coming in v2.70 below.

-Kirk

NetScanTools Pro 11.80 released August 4, 2016

This version has a new tool, a revised tool and a change to the way WinPcap compatible interfaces are selected. It is also the first release to include the ability to use the authPriv encrypted level of SNMPv3.

The new tool is an IPv6 routing table tool. It shows the IPv6 routes for operating systems that allow us to access that information. *That does not include Windows XP – by the way, NetScanTools Pro still runs on XP, but not for much longer. It's been*

over two years since XP was deprecated by Microsoft, so do not count on any of our newer software releases working on XP unless specifically addressed in the release notes.

The tool with major revisions is the Real Time Blacklist Check tool. Instead of a text oriented output, it now uses a grid and it is now multi-threaded which means it gathers results much faster and also queries more RBL servers simultaneously.

WinPcap interface selection has always been a problem and the old method relied on you choosing the IPv4 address in the dropdown list. Now we show the actual interface name and show the IPv4 address in parenthesis. We no longer try to match the IPv4 address from the list with the available interfaces, we use the interface name instead. This is more reliable than the old method.

There are a number of other smaller changes and fixes.

Please update soon. You will need an active maintenance plan to do so. Click on Help/Check for New Version for the download links to the full installer. USB users are downloading an upgrade patch.

*Speaking of the full installer – save it in a safe place and replace any old versions. We constantly run across users who have reinstalled or moved their software to a new computer and they do so by using an old installer. Sometimes the installer is many, many versions older - so **SAVE the latest one and discard the old ones!***

11.80 Release Notes

- Compiled on Windows 10.
- New Tool: IPv6 Routing Table.
- Significant change to the way WinPcap compatible interfaces are listed and chosen. Layout of some tools had to change to support longer selection box. Opening and using a WinPcap network interface no longer depends on matching the IPv4 address.
- We now test to verify that the official WinPcap service or the alternative npcap or Win10Pcap services are running.
- Realtime Black List Check tool completely rewritten with new user interface and it is now multithreaded for increased speed.
- SNMP Core and Advanced tools now have simplified SNMPv3 options. SNMP DLL now has libeay32.dll added and SNMP Library Manager was removed. ECCN 5D992.c
- SNMP Scanner, SNMP Dictionary Attack and Protected Storage Viewer have updated grid controls and are now prevented from sorting by clicking on the column header while the tool is working. Exporting with Microsoft Excel schema has been updated - simply 'open' the XML file from Excel (do not import it). SNMP v1+v2c setting is now properly saved.
- ARP based tools now confirm that the target IPv4 addresses are within the same subnet as the chosen WinPcap interface.
- ARP Scan now automatically sorts by the IP address column when complete.
- Whois changed so that if whois server does not respond, it times out and automatically stops.
- Assigned IPv6 Teredo server is shown in IPv6 Compatible Interfaces.
- Corrected privilege problems with writing to certain parts of the registry during registration process.

- Updated SQLite to version 3.13.0
- Updated MAC address/Manufacturer database.
- Updated IP to Country database.
- Code signing now uses both SHA256 and SHA1 for maximum operating system portability.

SNMPv3 Improvements Coming Soon

Using SNMPv3 in both NetScanTools Pro (before v11.80) and the Managed Switch Port Mapping Tool has been a little difficult at best with only the two non-encrypted modes of SNMPv3 available 'out-of-the-box'. That is about to change.

In June we submitted documents required to obtain an Encryption Registration Number. That number, along with ECCN 5D992.c will allow us to distribute the SNMPv1/2/3 DLL and the OpenSSL encryption DLL that we need to support all modes of SNMPv3.

It will not make your life easier as far as all the SNMPv3 mode selection and passwords you have to enter, but you will no longer have to chase down the correct encryption DLL and you will no longer have to use the SNMP Library Manager.

The changes have already been made in NetScanTools Pro 11.80 and they will be coming soon in Managed Switch Port Mapping Tool 2.70.

Coming soon in Managed Switch Port Mapping Tool v2.70

Other things are being added to Switch Port Mapper 2.70 in addition to the SNMP changes. Look for a release in the first days of September. This is what has been done to date.

- SNMPv2c is now default.
- changes to SNMPv3 to allow you to set it up without having to hunt down and install libeay32.dll
- switch list editor now allows multiselection of 'switch groups (switch+server/router 1+server/router 2)' to add into switch list
- improvements to the switch stack reporting method. Additional switch brands beyond legacy HP and Cisco will now report. Simplified methods of obtaining model/serial/revisions etc. are a byproduct.
- prohibited sorting columns or activating right click popup menu items while switch is being mapped.
- internal speed enhancements when in SNMPv2 and SNMPv3 bulk walk modes
- fixed problem displaying cell colors for duplex column when previous mapping is reloaded from history database.
- fixed occasional crash problem seen when using Tech Support SNMP Walk tool.
- web page report now correctly shows 'down' interface count.
- asset number and service tag number added to web page report
- generic switch stack report added to web page report

- fixed obscure problem with VLAN indexed community names for Cisco mappings
- Entity Mib stack and chassis data now saved in history database
- HP transceiver data is now shown in the web page report.

Managed Switch Port Mapping Tool v2.67 Released June 14, 2016

This release addressed the method for opening databases when the history database is large (ie. over 100MB or so). Previous versions used methods which would be slower as the database grew in size.

Hint: If you want to see the size of your history database and remove old records from it, please press the Review History button in the left control panel.

Download the 'installed' version 2.67 from here [SwitchPortMapper.com](http://www.switchportmapper.com) and install it over the top of your current installed version.

<http://www.switchportmapper.com/>

USB version users need to use the Help Menu/Check for Update selection to obtain the upgrade patch.

2.67 June 14, 2016 release notes:

- Startup speed improvements especially noticeable when history database is large.
- Updated SQLite to version 3.13.0
- Updated MAC address/Manufacturer database.
- Code signing now uses both SHA256 and SHA1 for maximum operating system portability.

NetScanTools Products and Windows 10

All of our products have been tested on Windows 10 in it's various iterations both 32 and 64 bit. That includes the new Windows 10 Anniversary edition. Most software is now being built on Windows 10.

NetScanTools Pro, NetScanTools LE, NetScanTools Basic, ipPulse and the Managed Switch Port Mapping Tool have all be recently compiled on Windows 10. All development is now done on Windows 10.

Contact Information

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