

NetScanTools® Pro



Monthly Newsletter

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July 2021

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In this newsletter:

News

- **Managed Switch Port Mapping Tool 2.86 released July 13, 2021**
- **NetScanTools Pro 11.92 Released May 21, 2021**
- **How to Get NetScanTools Pro Updates**
- **Warning about importing text files**

News...

From the Editor...

Now we enter August. The last month of summer. No rain here for over 45 days. Very dry. I hope you have a great rest of your summer and stay healthy!

-Kirk

Managed Switch Port Mapping Tool 2.86 released July 13, 2021

Managed Switch Port Mapping Tool 2.86 improved support for Extreme Networks switches running VOSS. Prior to this release, those switches were not showing mac addresses when mapped.

There was also much work done on the IP to hostname resolver in order to eliminate potential infinite loop conditions. Please be aware that if you use the IP to hostname resolver (so you see hostnames for your IP addresses), the PTR records in the DNS you access must be correct and up to date. We do not do A record queries.

We recently changed Wifi routers at the office and noticed the new one address a peculiar OPT record after the answer section of the DNS query.

This was accounted for and ignored by our software – it only affected you if you are using the 'user defined DNS' in global settings.

These are the changes in this new version:

- Upgraded support for Extreme Networks 5520 switches with VOSS.
- Disallowed multicast addresses in the Combined ARP table.
- Improved the IP to Hostname resolver.
- Added more 'support mode' debugging notes.
- Improved internal DNS resolver parsing to ignore extra 'additional record type OPT' data added by some Wifi routers.
- Improved installer software detection.
- Updated MAC address/Manufacturer database.
- Updated SQLite to version 3.36.0

Upgrading to the latest version is recommended. Use Help menu/Check for Update.

NetScanTools Pro 11.92 Released May 21, 2021

NetScanTools Pro release 11.92 'installed version' is done and ready for download if you have a current maintenance plan.

These are the changes in this new version:

- Added right click menu 'Export Results to XML' option to most grid based results. This allows opening the XML file directly by Microsoft® Excel.
- Connection Monitor - added Export Results to XML.
- DHCP Server Discovery - added 'No Response' message.
- DNS Tools / Advanced - extensive rewrite of the SPF/DKIM/DMARC Tool. Added complete dump of a domain's TXT records and new special selectors including several types of common DKIM records. Added DMARC and ACME selectors. Better explained how to use custom selectors found in email headers.
- Duplicate IP Scanner - improved validation and automatic selection of Network Interface based on starting and ending IPv4 address. Added new button to return to display of duplicate IPs. Fixed problem where if you tried to exit while the scanner was running, it would not warn you and prevent the exit.
- Packet Capture - added Export Results to XML.
- Passive Discovery - added Export Results to XML.
- Port Scanner - fixed a problem where you could not add a target to the target list under all circumstances.
- SSL Certificate Scanner - new warning about trying to scan ports other than the standard 443 for secure web servers. This tool can only retrieve certificates from web servers.
- SMB Scanner - improved response parsing for SMB1 responses reducing the chances of a false positive.
- Saving to disk no longer forces you to the Documents directory.
- Modified text to include Npcap in addition to WinPcap where applicable.
- Updated SQLite to version 3.35.5
- Updated MAC address/Manufacturer database.
- Updated IP to Country database.
- Updated dates to 2021

How to Get NetScanTools Pro Updates

NetScanTools Pro: click on the help menu, then on Check for New Version. In the main right side area (or your web browser will launch) you will see an embedded web page with either a discussion of the current version and download links or a web page saying your maintenance plan has expired. If you have not registered, you will see a web page explaining that you need to register. You must register and have an active maintenance plan to download NetScanTools Pro updates.

Warning about importing text files

Both NetScanTools Pro and the Managed Switch Port Mapping Tool can accept text files for things like target lists or ARP tables. But not just any text file – the file format must be simple ANSI or UTF-8. Why? Because other 'unicode' formats like UTF-16 store each character in two bytes instead of one byte. The file import parser expects to see one byte per character. Both apps test the import file to see if it appears to be non-ANSI/UTF-8 and you will see a warning. If you ignore the warning and process the app might crash.

For example, if you export to CSV from Excel, you may be getting UTF-16. The simple way to fix it is to open the file in Notepad, then use Save As to resave it as either ANSI or UTF-8.

Contact Information

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

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