

NetScanTools® Pro



Monthly Newsletter

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In this newsletter:

News

- **New feature – Network Shares added to SMB Scanner Tool**
- **NetScanTools LE 1.62 Released September 17, 2018**
- **Managed Switch Port Mapping Tool 2.81.2 Released August 8, 2018**
- **NetScanTools Pro 11.85 is the current release. 11.86 is almost finished.**

News...

From the Editor...

One release in September. I'm continuing to work on release 11.86 of NetScanTools Pro. Many webpages on NetScanTools.com were converted and updated from old style with flash to bootstrap. This has been going on since August and I'm trying to do one or more pages per day. There are still a few to do but we are almost past the old Frontpage/flash pages to the new. And updates to the pages are also done at the same time.

-Kirk

New feature – Network Shares added to SMB Scanner Tool

As you may be aware, the forced demise of SMB1 by Microsoft in the post-Wannacry world has negatively affected the operation of the legacy Network Shares – SMB/CIFS/NetBIOS tool. The mechanism for finding computers used in that tool relied on functions that could only use SMB1 to communicate – ie. Computer Browser service. We decided a new approach was needed.

What we did is add a new method for finding shares (hidden shares too) to the SMB Scanner tool. The functions for listing network shares also rely on SMB, but they can work with new versions of SMB that remain in Windows.

If a target responds with SMB versions, we attempt to find the shares. Due to changes in Windows post-XP, you will need to provide a list of usernames and passwords to try so that we can attempt to login. Why do we have to do that? For security reasons Windows requires a valid account to supply share information.

This addition to the SMB Scanner tool will appear in 11.86. The changes to the tool are nearly complete. The images below show typical results – note the new 'Shares' column on the right side and after right clicking and selecting 'View Shares', you see the list of shares and the credentials that worked to obtain them.

The screenshot displays the NetScanTools SMB Scanner v1.1.0 interface. At the top, there are control buttons: 'Get SMB Versions' (with a progress indicator 'Complete - 100%'), 'Stop', 'Do Share Check', 'Edit Target List', 'Edit Share Login Credentials', 'Delete Login Credentials on Exit', and 'Delete Share Results on Exit'. A 'Connection Timeout Settings (milliseconds)' dialog is open, showing 'Connect' set to 3000 and 'Receive' set to 2000, with a 'Set Defaults' button. On the right, there are 'Close' and 'About' buttons, along with status indicators for SMB, IPv4, and IPv6.

The main data table has the following columns: 'Ass', 'NetBIOS Name', 'DNS Name', 'SMB 1', 'SMB 2.0.2', 'SMB 2.1', 'SMB 3.0', 'SMB 3.0.2', 'SMB 3.1.1', and 'Shares'. The table contains five rows of scan results:

Ass	NetBIOS Name	DNS Name	SMB 1	SMB 2.0.2	SMB 2.1	SMB 3.0	SMB 3.0.2	SMB 3.1.1	Shares
1	2:01:	-	? No SMB - Rejected						No
2	-	?	Timeout						No
3	8:5A:	W server	No	Yes	Yes	Yes	No	No	Yes, right click and select View Shares
4	1:11	NI	No SMB - Rejected						No
5	3:CE	-	? No SMB - Rejected						No

Changes in 2.81.2

- Add New Group in Switch List Editor now works correctly.
- Export to CSV from Review History/Show Mapping Differences now exports with comma separator instead of semicolon.
- Updated MAC address/Manufacturer database.

Changes in 2.81.1

- Minor change to duplex mode column algorithm.
- Updated MAC address/Manufacturer database.

Click on Help menu/Check for Update to get the latest version. USB version users will be downloading a patch – follow the directions carefully. Installed version users will be installing over the top of their current installed version.

NetScanTools® Pro 11.85 is the current release. 11.86 is almost finished.

This release enhances both the new SMB Scanner and the SSL Certificate Scanner.

Changes in 11.85: The SMB Scanner has a new 'DNS Name' column added and the progress control was changed – the underlying method of target list storage was changed from a simple text file to an SQLite database table.

Changes in 11.86 to date:

- update SQLite.
- add Network Share enumeration to SMB Scanner
- fixed CSV export to use commas instead of semicolons as separators.
- fixed overflow problem with some input fields.
- IP/MAC Address Database now ignores IP/MAC pairs with all FF's for the MAC address.
- Paste button in IP to Country now grays out correctly.
- Fixed installation problem on some operating systems.
- improved automatic check for new version.
- improved Connection Monitor database to display method

Contact Information

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

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