# NetScanTools® Pro
## Monthly Newsletter
www.netscantools.com

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# News...

## From the Editor...

Many releases in October. I expect to complete another minor Switch Port Mapper release in early November and another NetScanTools Pro release before the end of the year. Holidays are rapidly approaching!

-Kirk

# NetScanTools Pro 11.86 Released Oct 12, 2018

**This release focusses on improvements in three areas:**

1. **The results font when viewed on certain high resolution displays.**
2. **A new way to find shares using the SMB Scanner**
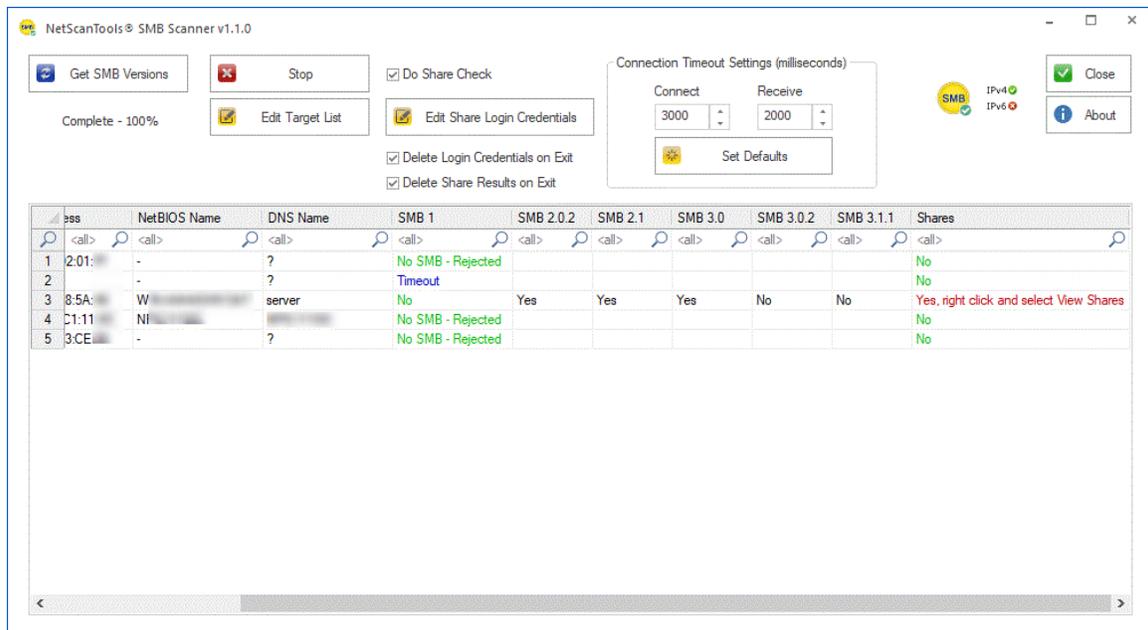3. **A new command line option to synchronize your computer clock.**

**We were informed by a customer that on the Microsoft Surface Pro and Dell XPS Laptop, the results area fonts were way too small.** The problem affected almost all results areas whether grid, free text or captions of graphs. It was addressed quickly and tested.

**SMB1 has been deprecated and it affected the operation of the 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 was added in 11.86. 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.

**A customer requested a way to start the software from the command line and synchronize the computer clock to a time server (also noted on the command line) and have the software exit when complete.** This was added with the new -syncclockexit and -syncclock command line options.

**The remainder of the changes were geared towards fixes and improvements to the user experience.**

The most important fix was to address a potential overflow issue with the dropdown text entry areas where the dropdown list was 'remembered' between sessions. It was originally noted for NetScanTools Basic also affected all NetScanTools family where those dropdowns were used.

**Here is the full list of changes in v11.86:**

- Changes to prevent crashing due to invalid text input.
- SMB Scanner: significant changes to allow testing a list of login credentials against each target that responds with SMB, then on successful login it retrieves a list of shares and optionally displays them. These changes replace the share reporting functionality of the Network Shares - SMB tool.
- SMB Scanner now properly exports CSV files with commas instead of semicolons.
- Added new command line options '-syncclock' and '-syncclockexit'. If nstpro.exe is started with elevated privileges, it will synchronize the computer clock with the specified internet time server (NTP server). '-syncclock' will continue and display the main window normally while '-syncclockexit' will synchronize then exit.
- Arp Scanner, Ping Scanner, Port Scanner results pie charts now have auto-scaled text for high resolution displays.
- Changes to results font initialization so that on high resolution displays (like Microsoft Surface Pro or Dell XPS laptop) the font is correctly initialized and results text is readable.

- Changes to embedded web page selections like Check for New Version so that the page is correctly vertically located with respect to the controls on high resolution displays.
- IP/MAC Address Database: FF-FF-FF-FF-FF-FF MAC addresses are not recorded.
- IP to Country: Paste IP now enables and disables normally.
- Notation added to the Network Shares - SMB tool indicating it is deprecated and suggesting the use of SMB Scanner instead.
- Fix for problem with installation on some operating systems. Occasionally a new install would say that the 15 uses were up immediately after installation.
- Registration page has improvements in error reporting in case it was unable to contact our registration server. Failover from http to https no longer causes an error.
- IPv6 Interfaces window now properly exports CSV files with commas instead of semicolons.
- TimeSync: default timeout changed to 5 seconds.
- Automatic Startup Update Check now properly checks for updates from our https server. Additional error reporting added in case of problems connecting.
- SSL Certificate Scanner now properly exports CSV files with commas instead of semicolons.
- Connection Monitor now displays data in the order of incoming timestamp ascending.
- DNS Traffic Monitor results pie chart now has auto-scaled text for high resolution displays.
- Updated SQLite to version 3.25.2
- Updated MAC address/Manufacturer database.
- Updated IP to Country database.

**Click on Help menu/Check for Update to get the latest version – however, you must have an active maintenance plan to get this new 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® LE 1.63 Released October 4, 2018

**This is a minor release that addresses a couple issues.** First, the same results font problem as was noted in NetScanTools Pro, - on the Microsoft Surface Pro and Dell XPS Laptop, the results area fonts were way too small. The problem affected almost all results areas whether grid, free text or captions to graphs. It was addressed quickly and tested. The second had to do with the positioning of the embedded web page in Check for New Version and similar.

The fix to address a potential overflow issue with the dropdown text entry areas where the dropdown list was 'remembered' between sessions was completed in version 1.61 in August. It was originally noted for NetScanTools Basic but also affected all NetScanTools family where those dropdowns were used.

**Changes in version 1.63:**

- Changes to results font initialization so that on high resolution displays (like Microsoft Surface Pro or Dell XPS laptop) the font is correctly initialized and results text is readable.

- Changes to embedded web page selections like Check for New Version so that the page is correctly vertically located with respect to the controls on high resolution displays.
- Updated SQLite to v3.25.2.0
- Updated database files.

**Click on Help menu/Check for New Version to get the latest version.** Install over the top of the current installed version.

## NetScanTools® Basic 2.52 Released October 2, 2018

**This is a minor release that addresses a couple issues.** First, the same results font problem as was noted in NetScanTools Pro, - on the Microsoft Surface Pro and Dell XPS Laptop, the results area fonts were way too small. The problem affected almost all results areas whether grid, free text or captions to graphs. It was addressed quickly and tested. The second had to do with the positioning of the embedded web page in Check for New Version and similar.

The fix to address a potential overflow issue with the dropdown text entry areas where the dropdown list was 'remembered' between sessions was completed in version 2.51 in August.

https://packetstormsecurity.com/files/148725/NetScanTools-Basic-Edition-2.5-Denial-Of-Service.html

**Changes in version 1.63:**

- Changes to results font initialization so that on high resolution displays (like Microsoft Surface Pro or Dell XPS laptop) the font is correctly initialized and results text is readable.
- Changes to embedded web page selections like Check for New Version so that the page is correctly vertically located with respect to the controls on high resolution displays.
- Updated SQLite to v3.25.2.0

**Click on Help menu/Check for New Version to get the latest version.** Install over the top of the current installed version.

## Managed Switch Port Mapping Tool 2.81.3 Released Oct 1, 2018

**This is a minor release that really only has one minor fix.** The parsing of the MAU Mib information was improved when it is used to update the Duplex Mode column. As usual, we updated the MAC Address/Manufacturer Database and SQLite was updated to the current version.

**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.

## Contact Information