



April 2008 Newsletter

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This is our monthly newsletter.

Coming Soon: The Next Release of NetScanTools Pro – 10.60

The last pieces of NetScanTools Pro (including the main program) have been converted from the ancient Visual C++ 6 compiler to Visual C++ 8 (2005). This involved hundreds of internal changes and in the process we made a number of internal improvements to remove things like duplicated code. Simple things like using control-F and F3 for searching in results have been fixed. We also added some new features like Bulk Validate to Email Validate so that you can test a large number of email addresses.

The complete list of changes will be available at the time of the new release.

Maintenance Plan - NetScanTools Pro

Having an active maintenance plan is important if you want to obtain the latest release. When Version 10.60 is released, a FULL Install of the "installed version" (not a patch) of it will be available on our secure site for download. Those who have the USB version will be supplied with a patch for download from the secure site. You must have an active maintenance plan in order to login to the secure site. See the section **How to Upgrade NetScanTools Pro** below for help downloading the current release.

One year of maintenance (beginning at date of purchase) is included with a new or upgrade license. A core benefit of the plan is the ability to download updates. In calendar year 2007 we released 6 updates mostly targeted towards Windows Vista compatibility and 5 updates in calendar year 2006. We have released one update in 2008 and anticipate the release of 10.60 shortly.

If you let your maintenance plan expire, the cost to renew the plan increases if you wait to renew over 30 days beyond the maintenance plan expiration date. If you are unsure when your plan expires, please feel free to contact us by email or phone before renewing (see end of newsletter for contact information). Of course you can always continue using the program even after the maintenance plan expires, but you will not get any changes or updated databases.

NetScanTools Pro USB Version One Day Sale

When: April 30, 2008 only.

What: New license of NetScanTools Pro USB version for **\$249** (regularly \$349). This includes a 1GB Lexar Lightning USB drive that must be shipped, so a shipping charge is extra.

How to Buy: Please phone toll free (866) 882-3389 or outside US/Canada (360) 683-9888. Or fax your credit card order to (360) 683-9871. Faxed Purchase Orders accepted from US based companies ONLY. Online ordering is not available for this offer. Contact us for shipping charges.

Hours: 8am-4pm Pacific Daylight Time (Los Angeles Time)

Learn more about the NetScanTools Pro USB version here including "sidegrade" and "upgrade" pricing for current NetScanTools Pro licensees:

<http://www.netscantools.com/nstprousb.html>

Current Release - Managed Switch Port Mapping Tool 1.92, March 14, 2008

Releases 1.90 through 1.92 brought some fairly major internal changes to the program:

- **A redesigned Ping Sweep utility** which allows you to ping more than one range of IP addresses. You can build a whole list of IPs to be pinged, either in ranges or a single IP. We added this in response to a customer request.
- **A new Column Order and Visibility editor.** This allows you to rearrange (reorder) columns and hide columns you do not need. This was requested by a number of customers and it was needed to add additional columns. We are making the four byte count columns and the last change column default to hidden to make room for new Spanning Tree Protocol columns (not yet added).
- **Added support for displaying Spanning Tree Protocol State.** Other parameters such as the root device MAC address and IP address are also shown on the port communicating with the root device.
- **Added more toolbar menu selections** to correspond to right click popup menu selections in an effort to become more compliant with Section 508 rules.
- **Updated HTML report to show Spanning Tree Protocol information** if available.
- **Improved accuracy of identifying connected switches** using historical data.
- **And more...**

We are working towards making this tool the leader in manufacturer independent switch mapping tools. We are well on the way towards this goal with many new additional features planned for release in 2008.

More information about the Managed Switch Port Mapping tool:

<http://www.netscantools.com/spmapmain.html>

You can visit this URL to immediately download the trial:

<http://www.netscantools.com/switchportmapperdownload.html>

Current Release - NetScanTools Pro 10.55, January 22, 2008

This release made several important changes to Packet Generator in the Scripting section. There was a fix to a problem overriding the source and target IP addresses. We also added new script commands to allow adding data payload from a file for TCP, UDP and ICMP packets.

A new feature was added to Name Server Lookup called "Test Default Servers" that takes an IPv4 address or hostname, then does a query of each default system DNS in order. This can tell you if a DNS being used by your computer is working or not.

Another new feature was added to Database Tests. This tool can be used to lookup a service name or number and return the corresponding information based upon the services database.

All the databases were updated and SQLite was also updated.

As we said in the last newsletter, NetScanTools Pro 10.55 has been successfully tested on **both** Windows Vista 32 (x86) and 64 bit (x64). It is a 32 bit application that operates in wow64 in Vista 64.

You can view the full list of changes by release from within NetScanTools Pro by selecting Online/NetScanTools Pro News or going to this URL:
<http://www.netscantools.com/nstpronews.html>

Upgrading: If you need help upgrading to 10.55, please see the section later in this newsletter.

Power User Tip for NetScanTools Pro – Finding all IPv4 Devices on your Local Subnet.

This topic in our newsletter highlights a part of the program you may not be aware of. All tips refer to the latest version, currently 10.55.

Did you know that you can find all the active IPv4 devices on your local subnet even if they are hiding behind a personal firewall? Devices like Windows XP systems can be running a personal firewall that prevents them from responding to normal ICMP ping from tools like our NetScanner Ping Sweep utility. Our ARP Sweep tool can find the devices because all active IPv4 devices must respond to ARP packets if they want to communicate over Ethernet or 802.11 wireless.

How to do the ARP Scan. First locate the ARP tool in the Tools left panel area. Then select "Do ARP Scan" in the ARP tool. Verify the Start and End IP address range (v10.6 will automatically calculate the range based on your subnet mask and the interface IP address selection) the ARP Scan Local IP. Then press the ARP button. A window will appear showing the progress and once complete, a list of IP addresses will appear in the results.

Remember that since ARP is typically not routed, this will only work on your local subnet (network segment).

Freeware Tool - ENUMresolver

We have released a program that does something already found in NetScanTools Pro in the Name Server Lookup tool. ENUMresolver is a freeware program designed to query your default DNS for the ENUM NAPTR mapping between a telephone number and a SIP, H323, IAX2 or other URI. Use it with VOIP systems to check your e.164 or freenum or other mappings. This program queries each default DNS assigned to your system using the e164.arpa or other root tree for the corresponding NAPTR records and displays them. It runs on Windows Vista/XP/2003/2000/ME/98/NT4.

Here is a screenshot:

Use this tool to resolve a telephone or subscriber number to a SIP, H323, IAX2 or other URI.

From the makers of NetScanTools Pro. For more tools like this, please visit... <http://www.netscantools.com/>

Enter Number Below. Examples, with ENUM Root shown in parenthesis:

Telephone Number (e164.arpa) - country code + city code + number
Subscriber Number (ITAD#.freenum.org) - 1234

+43 50 811 0

Get ENUM Info Stop

ENUM Root
e164.arpa

Source DNS Server	208.200.248.8
Order	100
Preference	20
Flag	u
Service	E2U+voice:sip
Regular Expression	!^.*\$!sip:0@kapsch.net!
Replacement	
Source DNS Server	208.200.248.8
Order	100
Preference	20
Flag	u
Service	E2U+voice:tel
Regular Expression	!^.*\$!tel:+43508110!
Replacement	

Double click on a cell to edit. Once in edit mode, right click for menu.

This program is freeware subject to the terms of the license shown in the About window.

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We will be including this program as one of the "Optional Tools" in the next release.

For more information about this freeware tool and to download it, please see: <http://www.netscantools.com/freeware.html>

How to upgrade NetScanTools Pro

We have heard from some customers that they do not know how to upgrade to the latest version or they paid for their maintenance plan and never received any upgrades. The ability to upgrade your software has *always* been right there within the software.

How to upgrade:

1. Prerequisites:
 - You must have the NetScanTools Pro v10.x installed.
 - You must have a **valid active maintenance plan**.
 - The software must be registered AND you must have applied the "NST Pro 10 Registration Code" email message we sent back to you – if it is not registered, our secure site will not have any login credentials ready for you.
2. Start NetScanTools Pro and click on the Online group in the left panel. Then click on the Check for New Version icon. Once the web page appears in the right pane, you will see the Login link text. (**NEW Alternative:** Version 10.54 added a Check for New Version link to the Help menu)
3. After clicking on the Login text, you will see a popup asking for a username and password. Those are found in the Login Access Credentials area as shown in the image on the next page. **The username and password ARE CASE SENSITIVE.** We recommend using copy and paste.

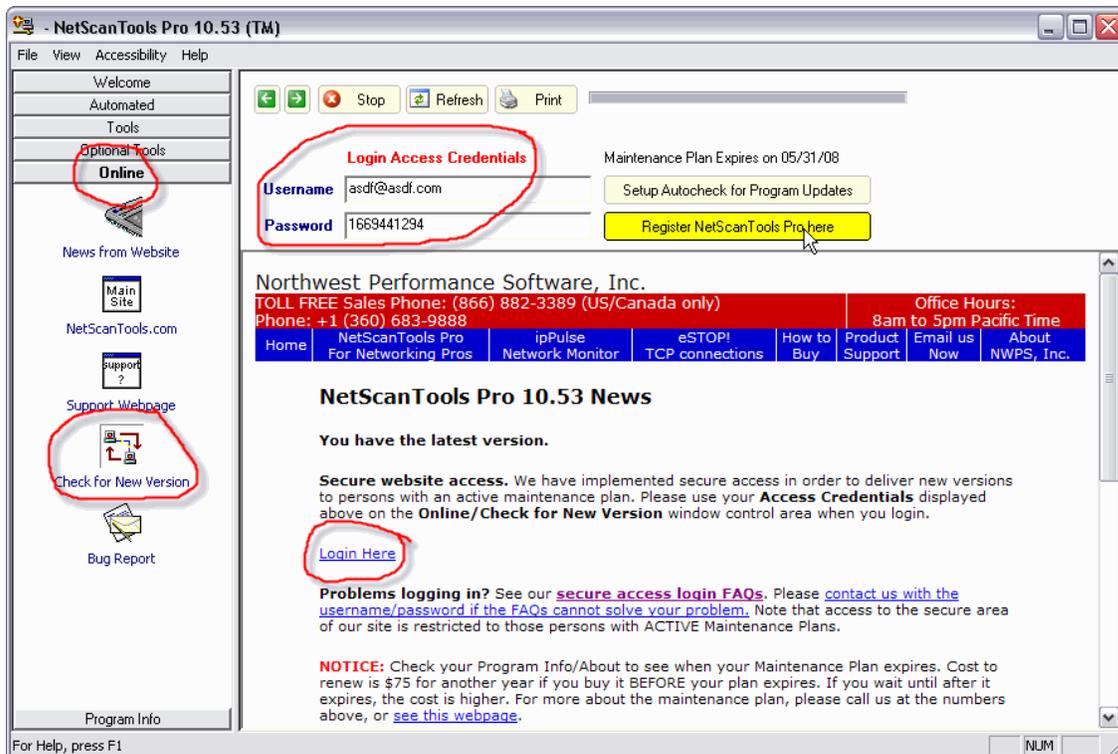
If your access credentials do not work please check for typos in your username or password (we recommend copy and paste).

It is also possible that your maintenance plan expired. Please contact us with the username and password you are using and we can check your status. **You must have a valid maintenance plan to download an upgrade.**

Once you have logged in to the secure server, the **full download** is ready for installation by those of you with installed versions. You will need your CDKEY/serial number to run the installer – see the About NetScanTools Pro window to get it. Please install over the top of your current installation.

USB Version users can download an upgrade patch from the secure. The latest version of the Managed Switch Port Mapping Tool is also available for download from this window and it is publically available elsewhere on our main site.

The image below shows where in the program you need to go to login to our secure site.



Status of NetScanTools Pro Self-Paced Training

We are partnering with the Protocol Analysis Institute to develop quality in-depth self-paced training on reconnaissance, traceback, troubleshooting and network discovery techniques using NetScanTools Pro. The course will be defined as a new "Laura Chappell presents(TM)" course to be available through NetScanTools.com, Wireshark University and Protocol Analysis Institute web sites. **Video courses are currently being recorded by Laura Chappell and should be available by June.**

Contact Information

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

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