

Find MAC Address

Getting Started

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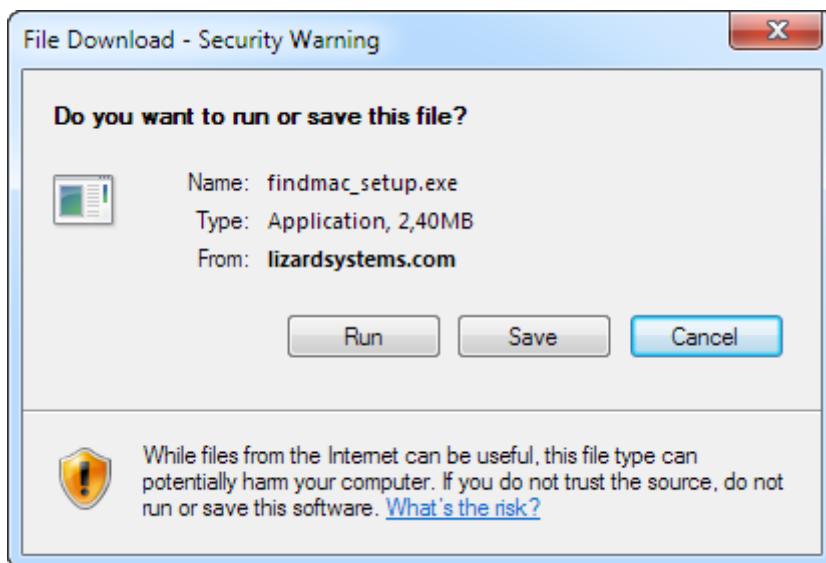
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Introduction

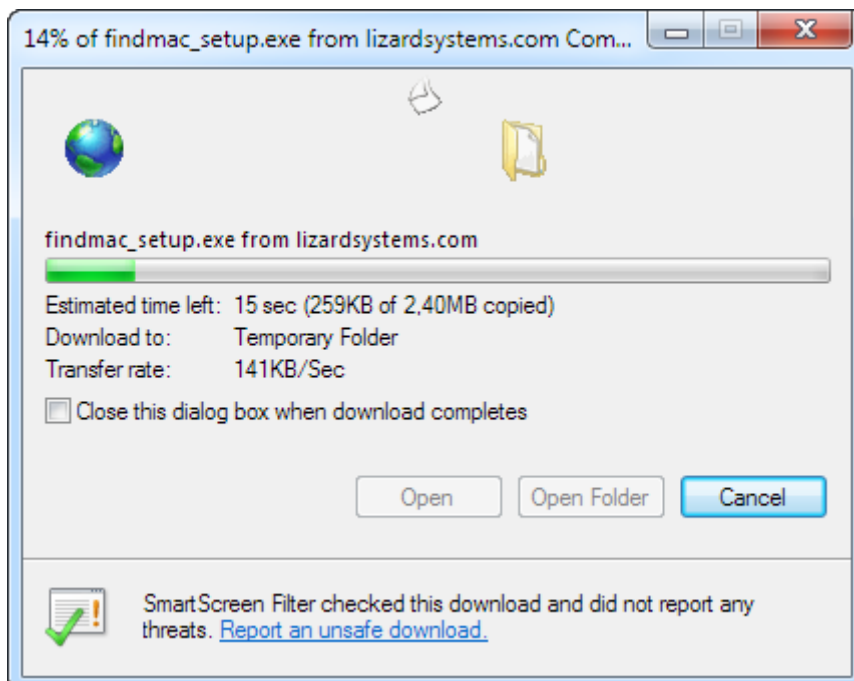
With **Find MAC Address**, you can find the MAC address of your or remote computer and also of any computer within the specified range of IP addresses. Unlike similar software, **Find MAC Address** can find the MAC addresses of computers using four methods (ARP, NetBios, NetAPI, WMI).

Installing Find MAC Address

You can install **Find MAC Address** after downloading it from the [Downloads page](#).



Click the **Save** button to save the installation file. You will see the window showing the progress of downloading the installation file to your computer.



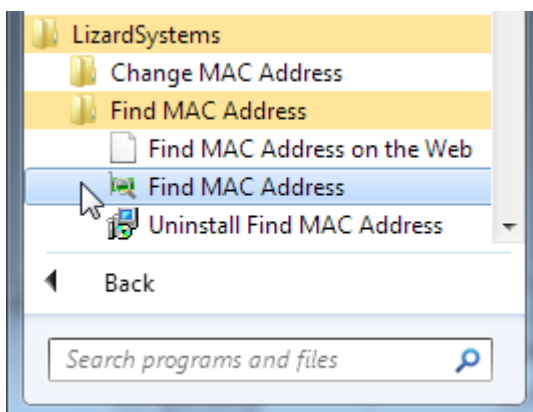
Run the installation file after it is downloaded.



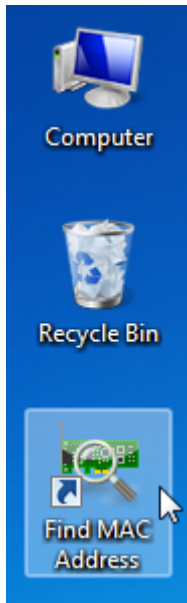
Follow the Installation Wizard instructions after you run the installation file. After the installation is over, you can start working with the application.

Starting the application

You can start **Find MAC Address** either from the **Start menu**

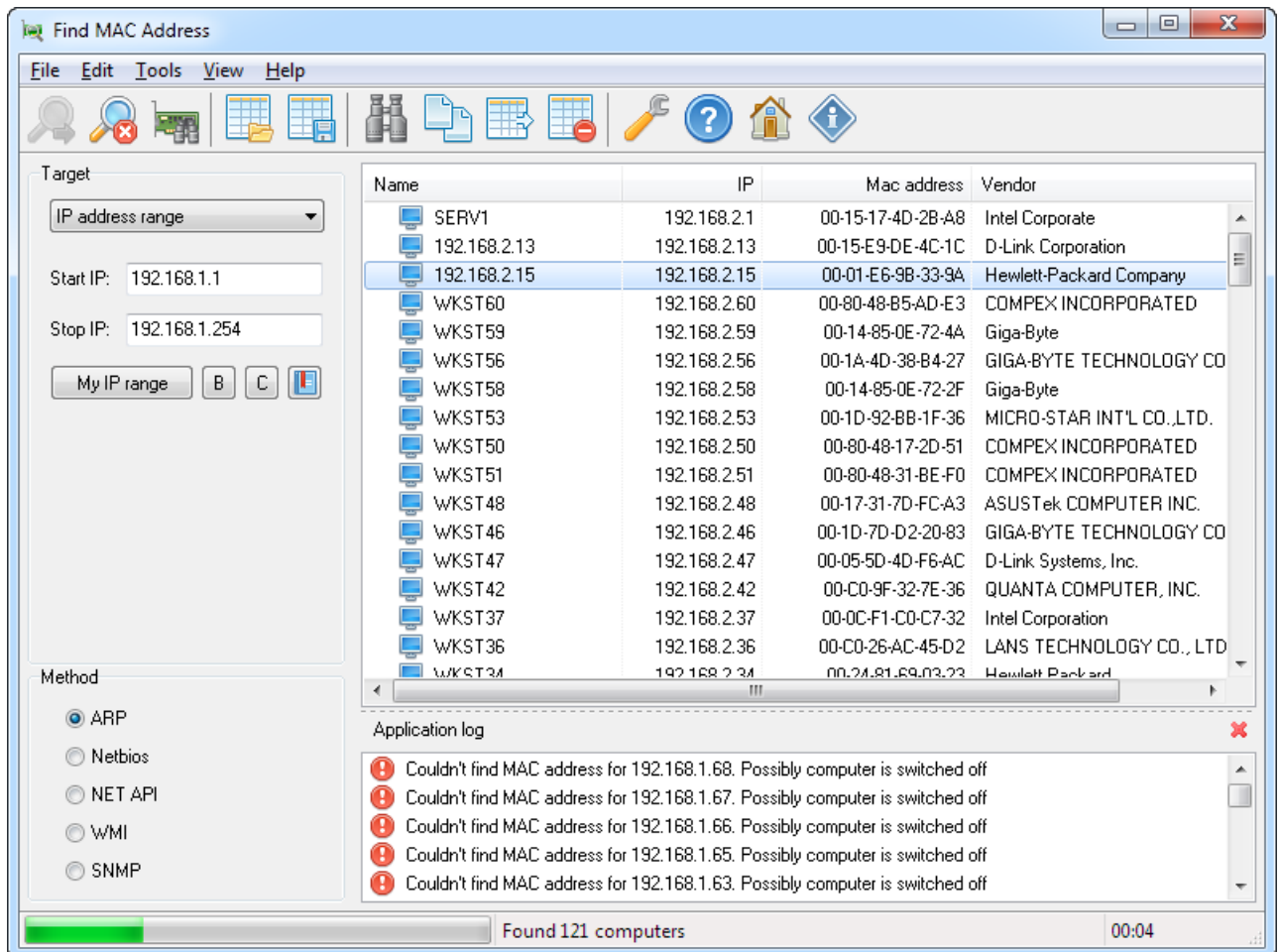


or by clicking its **desktop** shortcut.



After you start the application, you will see the main window of the program.

Main Window

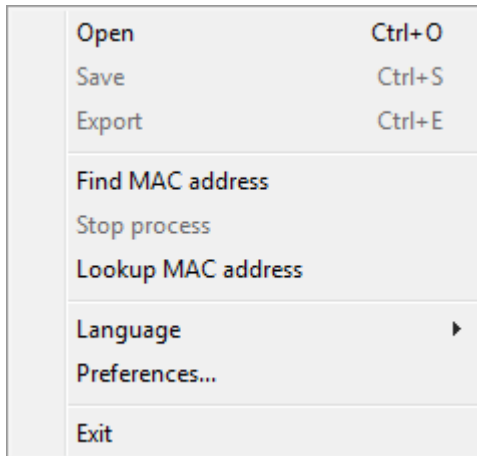


Main Menu

File Edit Tools View Help

File menu

The **File menu** includes various commands for controlling the software, saving or opening results, scanning the network for MAC addresses.



Open — Load previously saved scan results from XML.

Save — Save the scan results to XML.

Export — Export the scan results to the format that can be read by other applications.

TXT — Notepad or another text editor;

CSV — Excel or another software for working with worksheets;

RTF — WordPad, Microsoft Word or another editor;

HTML — Internet Explorer, Firefox, Opera or another web browser.

Find MAC address — Start the process of scanning and finding the MAC addresses of computers according to the parameters specified in the Panel Target and Method groups.

Stop process — Stop the process of scanning and finding the MAC address, since multiple threads are used during the process, it is stopped not immediately, but in a few seconds.

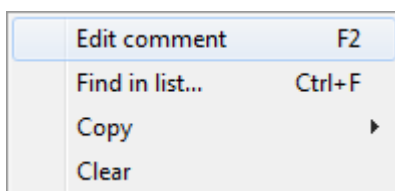
Language — Select the language of the software interface¹⁾.

Preferences — Open the Preferences dialog box.

Exit — Exit the program.

Edit menu

The **Edit menu** includes the following commands: Find, Copy, Clear.



Edit comment —

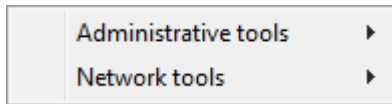
Find in list — search the results list for the specified text.

Copy — Copy into the clipboard.

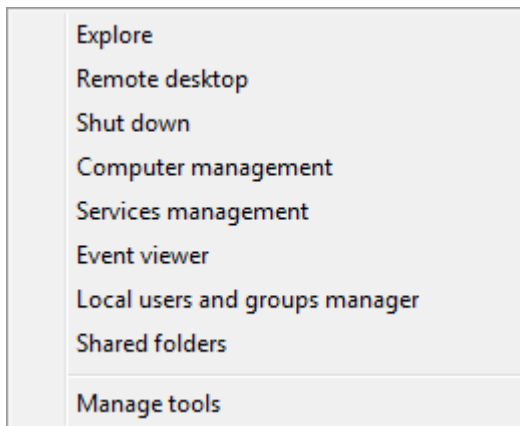
- **Copy line** - Copy the selected line into the clipboard.
- **Name** - Copy Name into the clipboard.
- **IP** - Copy IP into the clipboard.
- **MAC address** - Copy MAC address into the clipboard.

- **Vendor** - Copy Vendor into the clipboard.
 - **Comment** - Copy comment into the clipboard.
- Clear** — Clear the list of scan results and the scan log.

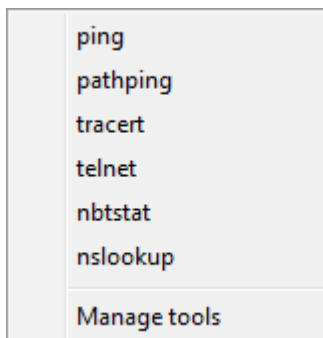
Tools menu



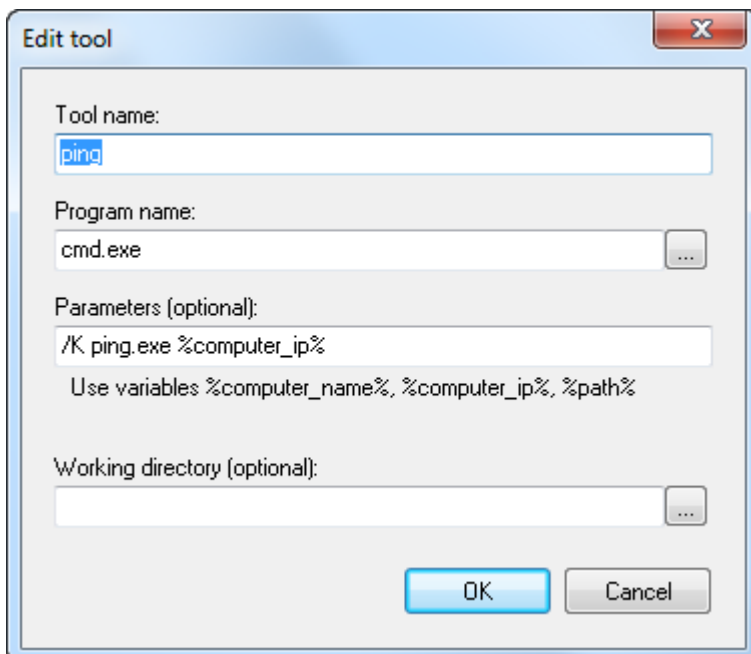
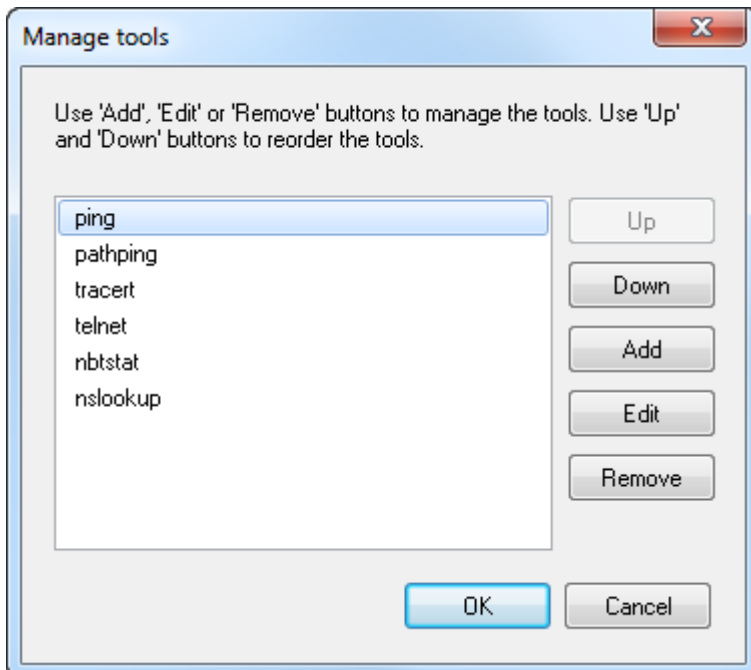
Administrative tools



Network tools

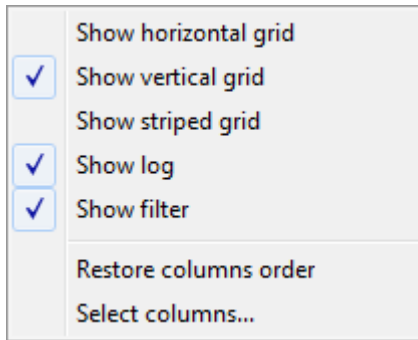


Manage tools



View menu

The **View menu** allows you to customize the work area of the application.



Show horizontal grid — show the horizontal grid in the list of scan results.

Show vertical grid — show the vertical grid in the list of scan results.

Show striped grid — show the striped list of results.

Show log — show application log.

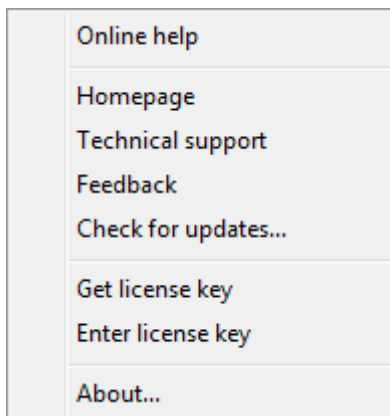
Show filter — show MAC address list filter.

Restore columns order — restore the default column order.

Select Columns — open the Column Settings dialog box.

Help menu

The **Help menu** allows you to open the help file, access the support service and check the software for updates.



Online help – Open the help page on the program site.

Homepage – Open the application homepage.

Technical support – Open the page where you can request technical support.

Feedback – Open the page where you can send feedback to the developers.

Check for updates... – Check for any updates available for the application.

Get license key – Open the page where you can get registration codes for the application.

Enter license key... - Enter your registration information.

About... – Show brief information about the program.

Toolbar

The toolbar allows you to quickly access the main features of the software.



Find MAC address — Start the process of scanning and finding the MAC addresses of computers according to the parameters specified in the Panel Target and Method sections.

Stop process — Stop the process of scanning and finding the MAC address.

MAC Address Manufacturer Lookup — lookup MAC Address Manufacturer in program database.

Load list from file — Load previously saved scan results from XML.

Save list to file — Save the scan results to XML.

Find in list — Open the Find in list dialog box.

Copy to clipboard — Copy the selected line with scan results into the clipboard.

Export — Save the scan results in the format that can be read in other applications.

Clear list — Clear the scan results and the scan log.

Preferences — Open the Preferences dialog box.

Online help — Open the help page on the program site.

Homepage — Open the application homepage.

About... — Show brief information about the program.

Panel Target

You can select one of the six objects for scanning.

Local computer

Target

Local computer ▼

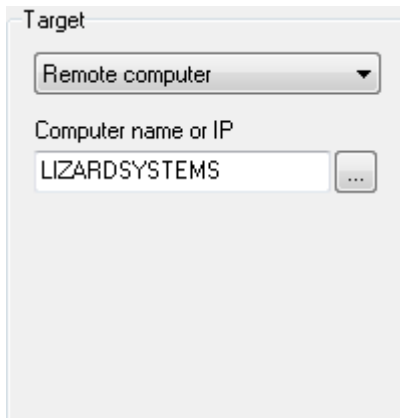
Computer name
LIZARDSYSTEMS

IP address
192.168.1.7

Find MAC Address will find the MAC addresses of the network cards on the local computer.

The Computer name field shows the name of the local computer and the IP address field shows its IP address. You cannot edit these values.

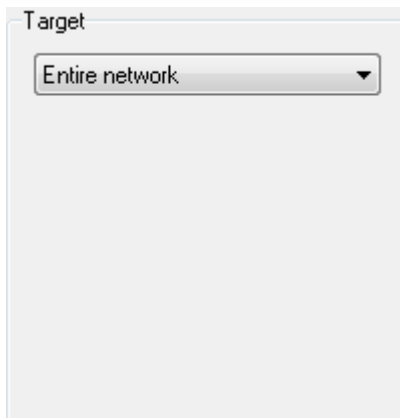
Remote computer



The screenshot shows a dialog box titled "Target". At the top, there is a dropdown menu with "Remote computer" selected. Below this, there is a text input field labeled "Computer name or IP" containing the text "LIZARDSYSTEMS". To the right of the input field is a small button with three dots "...".

Find MAC Address will find the MAC address of the computer you specify in the input field. You can specify either the name of the computer or its IP address. If you click the button next to the input field, you will see the **Browse for Computer** dialog box where you can select any computer in the network neighborhood and find its MAC address.

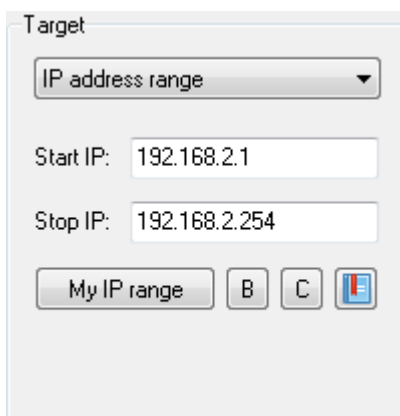
Entire network



The screenshot shows a dialog box titled "Target". At the top, there is a dropdown menu with "Entire network" selected. The rest of the dialog box is empty.

Find MAC Address scans the network neighborhood in the same way Windows Explorer does it when you open My Network Place. The software determines the MAC addresses of all detected computers.

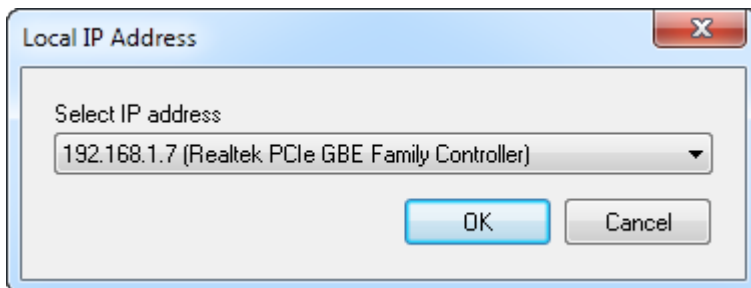
Scan IP address range



The screenshot shows a dialog box titled "Target". At the top, there is a dropdown menu with "IP address range" selected. Below this, there are two text input fields: "Start IP:" with the value "192.168.2.1" and "Stop IP:" with the value "192.168.2.254". At the bottom, there are four buttons: "My IP range", "B", "C", and a button with a red, white, and blue icon.

Find MAC Address scans the range of addresses specified in the **Start IP** and **Stop IP** fields. You can quickly add a range of addresses using the network settings of your computer by clicking the My IP range button. After you click this button, you will see the **Calculating IP range** dialog box where you can select the address of your network card.

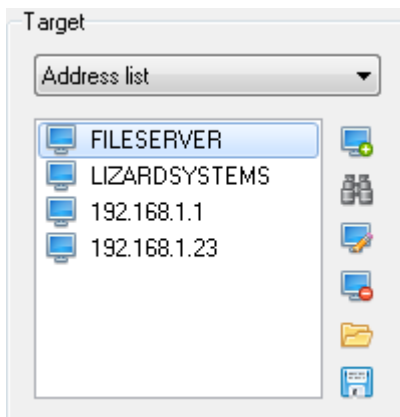
If you have several network cards, you can use the combo box to select the one you need. The address of the network card and the subnet mask will be used to calculate the range of addresses for your network.



A click on the **OK** button in the **Local IP range** dialog box will close it and the calculated values will be specified in the input fields.

When you click the **B** or **C** button in the **Panel Target group**, the range of addresses for a network of the **B** or **C** class respectively will be generated according to the values specified in the **Start IP** field.

Address list



Add Computer - adds a computer to the list.

Find Computers - finds a computer in a network and adds it to the list.

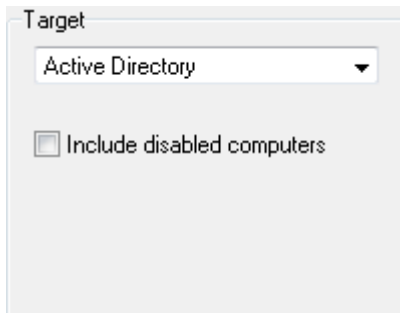
Edit Computer - edits computer name in the list.

Delete Computer - deletes a computer from the list.

Import List - imports the list from a file.

Export List - exports the list to a file.

Active Directory

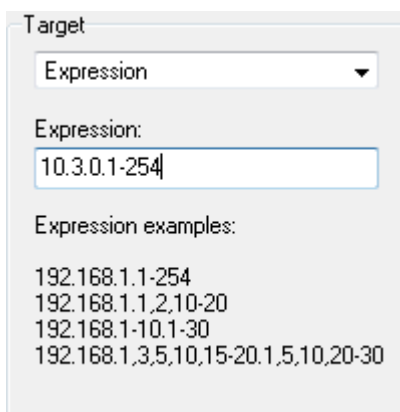


Target

Active Directory

Include disabled computers

Expression



Target

Expression

Expression:

10.3.0.1-254

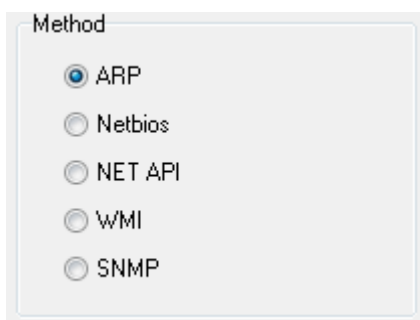
Expression examples:

192.168.1.1-254
192.168.1.1,2,10-20
192.168.1-10.1-30
192.168.1,3,5,10,15-20.1,5,10,20-30

Panel Method

Before you start the scan process, you can select the method you want to use to find the MAC address

Find MAC Address uses one of the four scan methods, you can choose any of them:



Method

ARP

Netbios

NET API

WMI

SNMP

ARP — uses the SendARP function to get the MAC address of a remote computer. This function uses an ARP request in order to get the physical address (the MAC address) for the specified IP address. The equivalent command is `arp -a`. The computer being scanned must be located in the same subnet as yours.

NetBIOS — uses NetBIOS functions to get the MAC address of a remote computer. NetBIOS functions allow applications on different computer establish a link between themselves via the local area network. The equivalent command is `nbtstat -a`. NetBIOS must be enabled on the computer being scanned.

Net API — uses the Windows Networking API to get the MAC address of a remote computer. The equivalent command is getmac. NetBIOS must be also enabled for this method.

WMI — uses Windows Management Instrumentation functions to get the MAC address of a remote computer and other parameters of its network card. If you use this method for scanning, you will be also able to find out the name of the network card. **You must be logged as an administrator on the computer being scanned.**

SNMP — uses Simple Network Management Protocol to get the MAC address of a remote computer and other parameters of its network card. If you use this method for scanning, you will be also able to find out the name of the network card.

Scan results

All detected computers and their MAC addresses are shown in the list of scan results. You can view the list as a tree or as a flat list. The view depends on the scan method.

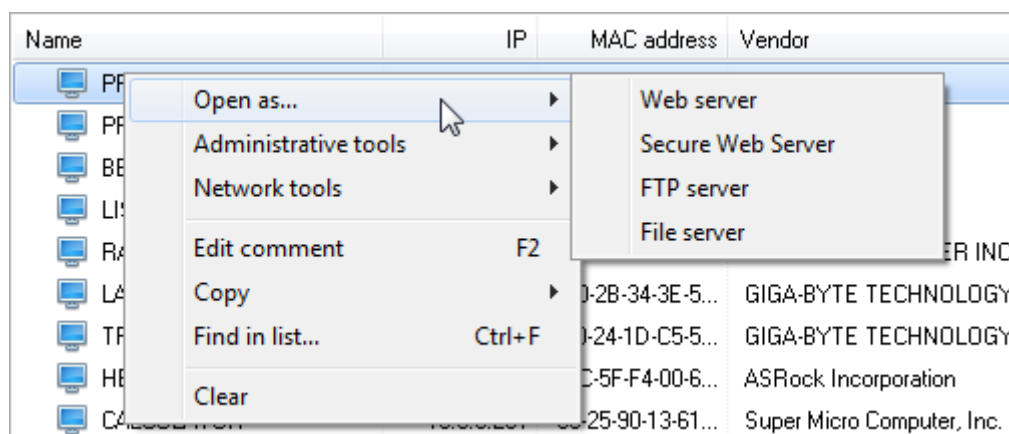
For example, the list is displayed as a tree if you scan and Find MAC Addresses using the NetAPI, WMI or SNMP method.

<image>

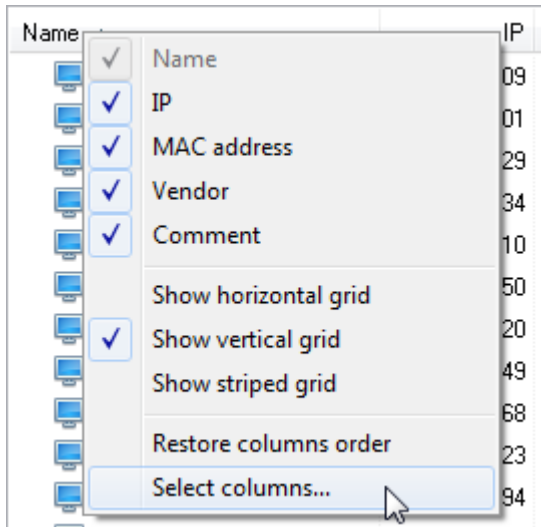
The list is displayed as a flat list when you scan and determine MAC addresses using the ARP and NetBIOS methods.

<image>

The following menu will appear if you click on the item in the list of scan results.



The following menu will appear if you click the title of a column in the list of scan results.



The first half of the menu contains the list of columns in the list. You can show or hide the selected column by selecting or clearing the corresponding item.

Show horizontal grid — show the horizontal grid in the list of scan results.

Show vertical grid — show the vertical grid in the list of scan results.

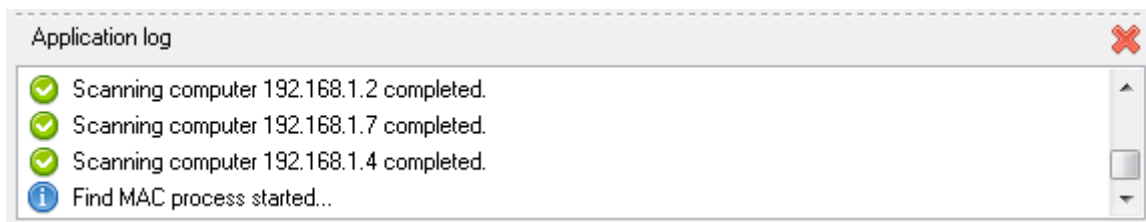
Show striped grid — show the striped list of results.

Restore columns order — reset the column order to the default.

Select Columns — open the Column Settings dialog box.

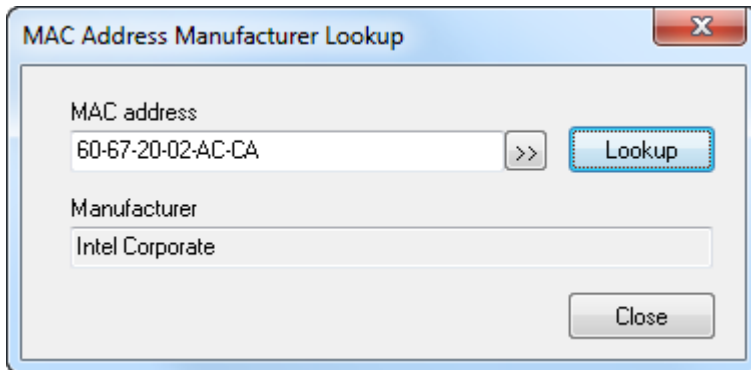
Application log

The scan log contains messages the software makes while scanning and finding MAC addresses.



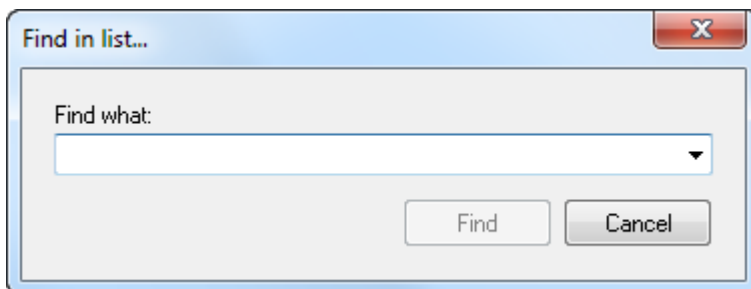
Dialog boxes

MAC Address Manufacturer Lookup



Find in List

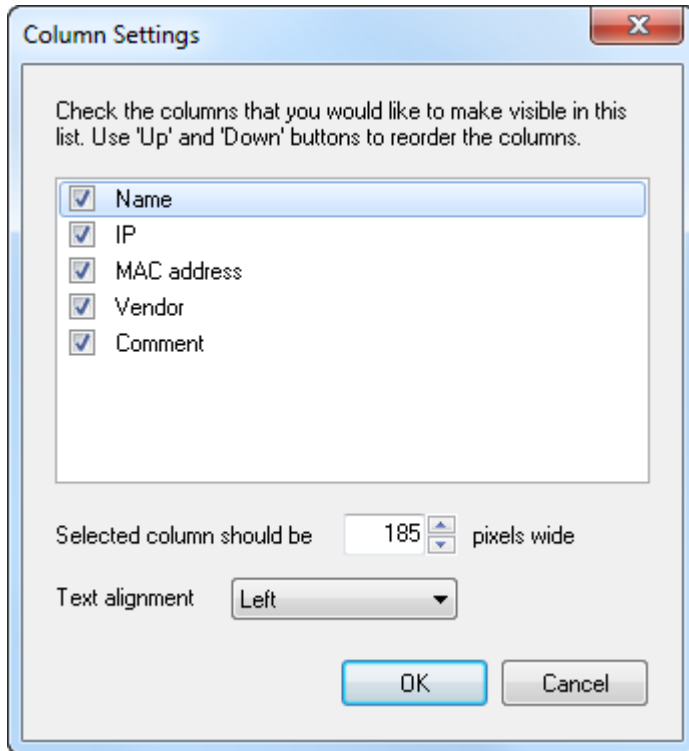
You can use this dialog box to search the result list.



Type what you are looking for in the Find what field and click the Find button. After the software finds a matching text, the line with this text will be selected. Each time you click the **Find** button again after that, the software will search the list for the text further.

Column Settings

You can use this dialog box to customize the order and appearance of the list with scan results.



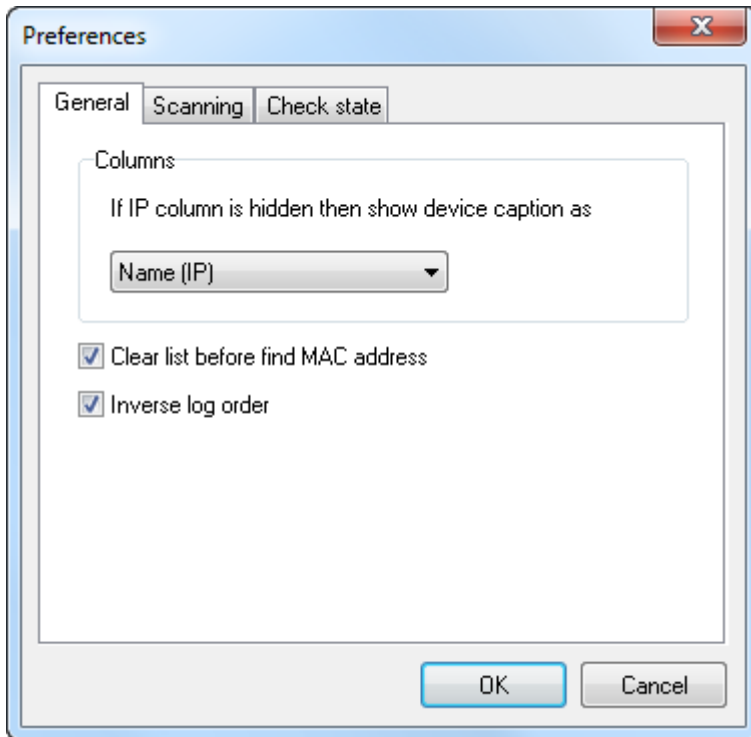
- Change the size of columns in pixels by entering the value in the **Selected column should be** field.
- You can also **align text** in columns: **Left, Right, Center**.

To apply the made changes, click the **OK** button.

Preferences

You can use this dialog box to specify the default parameters of the software.

General

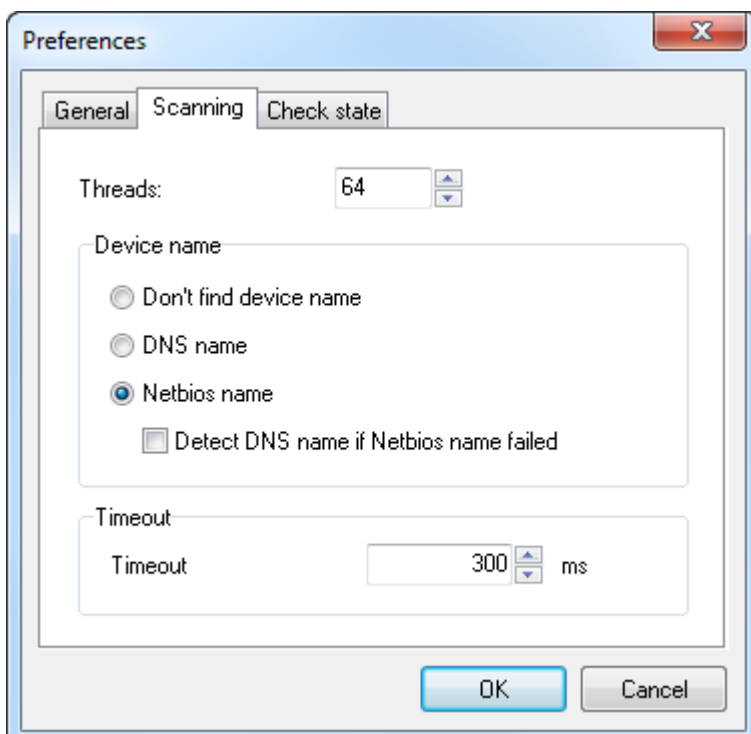


Columns — defines how computers will be displayed in the list of scan results.

Clear list before find MAC address — if the checkbox is selected, the results of the previous scan, as well as the scan log, will be cleared each time you start a new scan.

Inverse log order - inverts message order in log.

Scanning



Threads - allows to change threads number for finding mac addresses.

Device name - allows to select what computer name to find:

Don't find device name

DNS Name

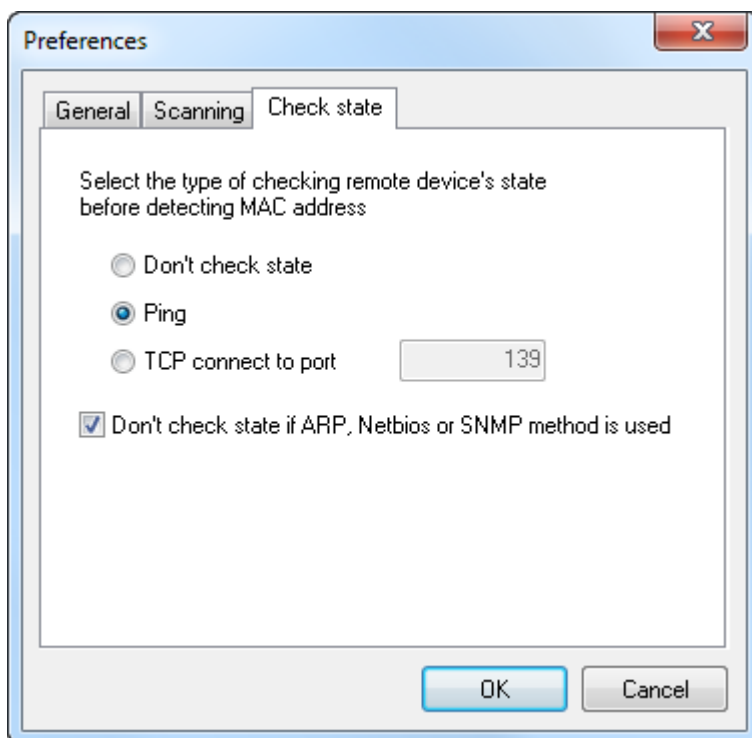
Netbios name

Detect DNS name if Netbios name failed

Timeout — you can specify the time the software should wait for the remote computer to respond to your request, the time is specified in milliseconds. If the computer does not respond to the request within the specified time, it is considered inactive and it is not scanned.

Check state

This tab contains the parameters of checking the state of the computers being scanned.



You can use this tab to select how the software should check the state of the remote computer. Before scanning a computer, the software checks its state. If the computer is switched off, it will not be scanned and its MAC address will not be found. There are two ways to check the state of a computer — a ping or a connection to the specified port.

Don't check state — the state of the computer will not be checked. No matter whether the computer is switched on or off, the software will try to find its MAC address.

Ping — a ping is used to check the state of the computer.

TCP Connect to port — a connection to the specified port is used to check the state of the computer. The port number must be greater than 1 and less than 65535.

Don't check state if ARP, Netbios or SNMP method is used.

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