

Address Wizard

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An intelligent IP–address scanner with SNMP, Wake on LAN, Port scanning and Intrusion Prevention.

The RzK AddressWizard identifies available stations on the network. It shows IP– and corresponding MAC–addresses as well as station names and NetBios data (name, group and user). It will inform you about double IP–addresses, changed MAC–addresses or station names and unknown IP–addresses .

Alarm messages can be forwarded via Email or an external program (option). You can define up to 15 address ranges which will be scanned periodically. Between these active scans the AddressWizard can listen (passive mode) and detect addresses not in the defined ranges, even if they belong to different VLAN's.

The screenshot shows the main interface of Address-Wizard Pro 4.1. At the top, there are menu options: File, Configuration, View, VLANs, NetBios, Port Scanner, SNMP, Intrusion Prevention, Wake on LAN, Licence, Help. Below the menu is a control panel with 'Scanmode' (Active/Listen only), 'Scan IP-Addressrange' (From: 194.127.156.0, To: 194.127.156.255), 'Resolve DNS Names' (Start/Stop), and a 'Received' counter (757). A status bar shows 'UDP: 0', 'ARP: 24', 'DNS: 18', 'SNMP: 0', 'Ping: 0', 'NBNS: 14'. A clock displays '15:16:39'. Below this is a summary bar: 'Last packet sent: 15:14:26', 'Start of Scan-Process: 15:14:30', 'Duration of complete last Scan: 00:00:13 (13s)'. A table shows 'Addresses: 15', 'Tagged: 15', 'Last Scan: 0', 'SNMP: 2', and 'Auto Update Addressgrid' checked. A 'Clear' button is on the right. The main table has columns: Index, IP-address, MAC-address, Name, NetBios-Name, NetBios-Us, NetBi, via, First Occure, Last Occurrence, #Cu, #All, and SNMP System C. The table contains 15 rows of data for various devices like 'intern-router.rz', 'server.rzk.local', 'tresor.rzk.local', etc. The status bar at the bottom says 'Scanning Stopped.'.

Index	IP-address	MAC-address	Name	NetBios-Name	NetBios-Us	NetBi	via	First Occure	Last Occurrence	#Cu	#All	SNMP System C
1	194.127.156.225	00507FD040F61	intern-router.rz				ARP	16.12.2004	16.12.2004 14:06:27	0	8	
2	194.127.156.10	0040F4AACB09					ARP	15.12.2004	11.01.2005 15:14:17	2	13	
3	194.127.156.130	000475F48611	server.rzk.local	SERVER		RZK	ARP	16.12.2004	11.01.2005 15:14:18	2	15	IBM 3142
4	194.127.156.132	00D0B7D65097	tresor.rzk.local	TRESOR	BACKUP	RZK	ARP	16.12.2004	11.01.2005 15:14:18	2	10	Secure
5	194.127.156.149	00D0B79EB5CA	waltraud-nt.rzk				ARP	21.12.2004	21.12.2004 12:16:49	0	1	
6	194.127.156.150	009027722229	volker.rzk.local	VOLKER	VOLKER_N	RZK	ARP	16.12.2004	16.12.2004 14:06:15	0	7	
7	194.127.156.153	00108357C9F8					ARP	16.12.2004	11.01.2005 15:14:19	2	12	HP ETHERNET M
8	194.127.156.180	009033030CA3	ip200-03-0c-a3	IP200-03-0c-a3			ARP	16.12.2004	11.01.2005 15:14:19	2	10	V5.01 sr1 IP200
9	194.127.156.183	0000FB222222	delphi.rzk.local	DELPHI		RZK	ARP	16.12.2004	11.01.2005 15:14:19	2	10	
10			delphi-neu.rzk.l				ARP	15.12.2004	11.01.2005 15:13:56	1	11	
11	194.127.156.193	00507FD040F61					ARP	16.12.2004	11.01.2005 15:14:19	2	11	
12	194.127.156.194	00C002B56495					ARP	16.12.2004	11.01.2005 15:14:19	2	10	
13	194.127.156.213	0008C729C729	mobil-nt.rzk.loc	MOBIL-NT	DORIS_MO	RZK	ARP	16.12.2004	11.01.2005 15:14:20	2	10	
14	194.127.156.214	0002B32999D2	verkauf.rzk.loc	VERKAUF	VOLKER_N	RZK	ARP	11.01.2005	11.01.2005 15:14:20	3	3	MS Info 1.4.4
15	194.127.156.219	00E018E7E2EA	dennis.rzk.local	DENNIS		RZK	ARP	21.12.2004	11.01.2005 15:14:20	3	4	

Main screen – address list

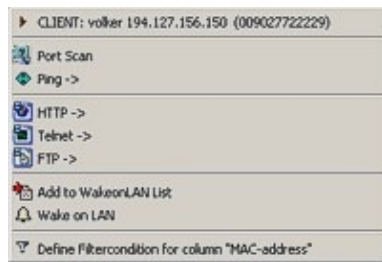
Stations found on the network are identified by asking a DNS–Server and/or NetBios requests. They can automatically be asked for SNMP information like “Location”, “SysUpTime” and so on (optional).

All this information is written to address lists, which can be saved as ASCII , Excel–, XML –files or web pages and published by a web server. Additionally the Address Wizard can "wake up" remote stations by sending Wake on LAN (WOL) packets (optional).

The Address Wizard can permanently supervise the accessibility of found stations, through rescanning the network after a definable time. Between the active searches, the network can be passively scanned to detect "wrong" stations. So a permanent address control is guaranteed.

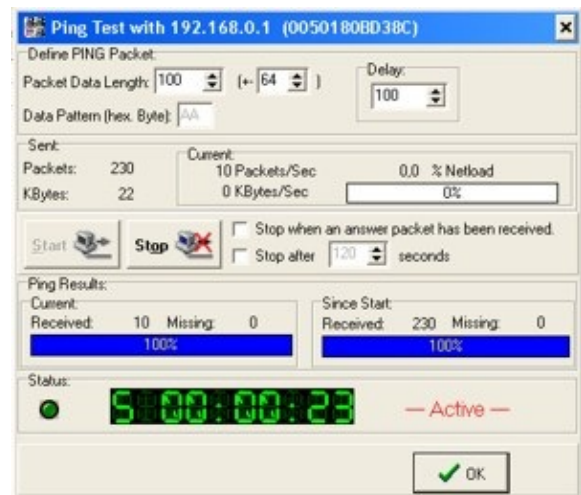
Additionally the Address Wizard has an integrated port scanner to show open TCP–ports. This can be used for permanent port scans to detect a failure of a service as well.

Optionally the program may even be used for intrusion prevention. This is realised by blocking all ARPs from or to foreign stations.



Right mouse click menu allows port scans, ping tests, direct opening of web browser, telnet and ftp clients, ripe whois, MSINFO32 as well as WakeOn Lan (option required).

Permanent ping tests to the selected address can give you reasonable information about the accessibility of the device.



Optional Modules:

- **SNMP and WakeOnLAN:** Display's information of SNMP-capable devices and wakeup of stations remotely
- **Email Alarming:** Processing of alarm messages by sending Emails and/or executing external programs
- **Intrusion Prevention:** Block traffic from invalid IP-addresses by sending ARP response packets.

Address Wizard versions to fit your needs:

Address Wizard Version:	"Lite"	"Standard"	"Large"	"Campus"
Max. number of monitorable addresses:	50	250	1000	5000

(Larger versions are available on request)

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