Wake On Lan (WOL)

1. General

In order to determine the status of a computer located in the LAN, among other things, the ICMP ping echo is evaluated. In order to determine and display the correct state of the "remote" computer (online / offline), you must activate the ICMP echo (should normally be "ON") on this computer!

With this software, remote PCs can be switched on, restarted and shut down (switched off) over the network, as well as put into standby mode. Host names, MAC addresses and IP addresses of the hosts are stored. Double click on a saved entry and the selected PC will turn on. Bios and network cards must support the WOL feature and be configured accordingly. For remote shutdown and remote reboot, the corresponding rights must be configured or available on the target computer.

I kindly ask you to send us an e-mail to <u>wakeonlan@olgotools.com</u> if you have any suggestions or requests or if you have any problems or problems. Thank you.

2. Installation

Unzip the WakeOnLanV302.ZIP file and then start the file WolSetup.exe, the setup will guide you through the installation. This application requires .NET Framework 4.7.1 or higher. If this framework is not yet installed on your computer at the time of installation, this will be detected by the setup and you will be able to download and install it.

After downloading <u>(if necessary!)</u> the framework please starts this package with administrator rights and follows the setup instructions. After installing the .NET Framework 4.7.1 (or higher), the PC may need to be restarted, restart the WolSetup.exe to install the application and follow the setup instructions.

🙀 Wake On Lan - InstallShield Wizard	x
Destination Folder Click Next to install to this folder, or clic	Change to install to a different folder.
Install Wake On Lan to: C:\Program Files: DLGOTOOL	\WakeOnLan\
InstallShield	
InstaliShield ————————————————————————————————————	< <u>B</u> ack <u>N</u> ext > Cancel

Please select the desired installation directory (usually for 64-bit systems C:\Program Files\..., for 32-bit systems C:\Program Files (x86)\...) and then follow the setup instructions.

For all desired remote computers, check your BIOS settings and the settings of your network card.



For the functionality of remote reboot and remote shutdown, please additionally check the corresponding rights in the security guidelines:

🚟 Konsole1 - [Konsolenstamm\Richtlinien für Lokaler Computer	r\Computerkonfiguration\Windows-Einstellungen\Sicherheitse	instellungen\Lokale Richtlin
🚡 Datei Aktion Ansicht Favoriten Eenster ?		
🗢 🔿 📂 📰 💥 🖼 📑		
Consolenstamm	Richtlinie 🔺	Sicherheitseinstellung
Image: Statistic State		Administratoren,Benutzer LOKALER DIENST,NETZW Administratoren,NT SERVI Administratoren LOKALER DIENST,NETZW Administratoren Administratoren Administratoren Administratoren,Benutzer Administratoren Gast Gast,Administratoren,Ben Administratoren,Sicherun
H	Sperren von Seiten im Speicher Synchronisieren von Verzeichnisdienstdaten Übernehmen des Besitzes von Dateien und Objekten Werändern der Firmwareumoebunosvariablen	Administratoren Administratoren

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3. Configuration

<u>Warning</u>: The prerequisite for remote reboot, remote shutdown and remote standby is that the same administrator account (user name and password) has been configured for all computers!

Even if only one person works on a PC, there should always be two accounts, one account for administrative purposes with admin rights and one work account with limited rights!

The configuration of the Wake On Lan application is divided into three subgroups: Remote Operations, Admin User Account and Host List Options.

👷 Wake On Lan ¥3.0.2			©Olgotools 📃 🗖 🗙	
Options Info				
Remote operations	-Address	IP-Address	PC State	
Admin user account	10. CO. 10. CO.	10.30.0.1	ONLINE	
Host list options	NR., 800, 800, 800, 800, 800, 800, 800, 80	10.30.0.5	ONLINE	
INAS	THE REAL PROPERTY.	10.30.0.99	OFFLINE	
OLLI-NB	And in case of the second s	10.30.0.160	OFFLINE	
POWERSTRIP	100, 100, 100, 100, 100, 1	10.30.0.254	ONLINE	
SAMSUNG-TV	[10] Standard State and S	10.30.0.100	OFFLINE	
SERVER-HOST	[10] (A. P. M. M. M. C.	10.30.0.149	ONLINE	
SERVER-PC	22. III. 25. III. 45.3	10.30.0.2	ONLINE	
SERVERVM		10.30.0.150	OFFLINE	
TEST-PC	No. of Action (State	10.30.0.4	OFFLINE	
VMAPPTEST	and the second second	10.30.0.152	OFFLINE	
VMASTUDIO	100 (100, 100, 100, 100, 100, 1	10.30.0.113	OFFLINE	
VMDEV10X64	100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	10.30.0.103	OFFLINE	
VMOLLI1X64		10.30.0.190	OFFLINE	
VMTESTX64	191. DR. PT. M. PT.	10.30.0.107	OFFLINE	
VMWIN7X64-PC	And the second second	10.30.0.168	OFFLINE	
VMX64MASTER	100 (00. DO. 10. DO. 1	10.30.0.110	OFFLINE	
WIN10X64-PC		10.30.0.162	OFFLINE	
WLAN	10.00 (0.00) (0.00) (0.00)	10.30.0.20	OFFLINE	
WORK-PC	94.30.00.00.00.0	10.30.0.3	ONLINE	
Deep Scan]	All Users Hostlist	Clear List	
Add / change host e	ntry manually:			
Hostname:		Get IPAddress	Set/Add as SPECIAL	
IP-Address:	Get Hostname Set/Add as WIN-PC			
MAC-Address:		WakeUp Update List-Entry		
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Remote Operations:

- **Default time delay** ...: The remote PC waits for this time until the operation is completed (reboot or shutdown).
- **Default warning** ...: The message that is displayed to the remote user before starting the operation.
- Show dialog window ...: If the option is active, this window is displayed before each reboot or shutdown operation. This allows the time span and the message text to be adjusted individually before the operation. Otherwise, the configured default settings will be used.

👷 Remote Operations	×
Default time delay the remote computer waits for 6 the request to be executed (seconds):	0
Default shutdown or reboot warning for remote PCs:	
WARNING! Immediately save all your data, the system shuts down!	
Show dialog window before initiate remote request!	
Save Discard	

Admin User Account:

- **Current user:** Operations are performed in the context of rights of the currently logged in user (usually this should NOT have administrator rights, even on remote PCs, so a remote reboot, remote shutdown and remote standby will not work). A remote desktop call of the remote PC directly from the host list also with this user optionally requires the user's password!
- **Remotes Admin User** ...: User name and password with administrator rights of the remote computers (all computers must have the same admin user configured). With this encrypted saved information, it is possible to perform a reboot, shutdown or standby on remote computers.

👷 Admin User Account	×
Execute with user rights of:	
O Current user:	
Password (optional f. Remote Desktop):	
ale de de de de de de de de	
⊙ Remote PCs admin user:	
Administrator	
Password:	
ale ale ale ale ale ale ale ale	
Save Discard	

Host List Options:

- **Automatic deep scan** ...: If this option is activated, a Deep Scan will be performed after the set time (in minutes). Not recommended if you prefer a static host list.
- **Start up with small** ...: If the application starts in narrow mode, only the hostnames are visible.
- Scan at start up ...: If this option is activated, depending on the selection, the background or the deep scan is carried out directly after the start of the application.
- Host list opacity ...: Transparency of the application!
- Save host list for ...: This setting allows you to keep a host list for all users of the computer as well as an additional host list for each user.
- Show background ...: If this option is activated, the activity display is displayed in the case of a permanent background scan. If this is annoying, this can be deactivated here.
- Scan ping delay ...: Here one could readjust the ping delay should one or more host not be found (Attention, first check firewall settings for ICMP Echo on the appropriate computer).

👷 Host List Options 🛛 🗙 🗙
Update
Automatic deep scan with interval 060 🔽 min.
Startup
✓ Scan at start up ✓ Scan Mode:
Background Deep scan
Hostlistopacity
30 X 100 X
Other Options
Save Host list for all users (recommended)
Show background scanning picture
30 ms fast scan ping delay (use ICMP)
Save Discard

4. Main Window

😹 Wake On Lan ¥3.0.2					©Olgotools 📃 🗆 🗙
Options Info					
Hostname	MAC-Address	IP	-Address		PC State
FRITZ	10.01041-00.000	10	.30.0.1		ONLINE
MEDIA-PC	and the second second	10	.30.0.5		ONLINE
NAS	10010-000-000-000	10	.30.0.99		OFFLINE
OLLI-NB	And Statements and statements	10	.30.0.160		OFFLINE
POWERSTRIP	**************	10	.30.0.254		ONLINE
SAMSUNG-TV	100.000.000.000.000.000.000	10	.30.0.100		OFFLINE
SERVER-HOST	APPENDIA (1999) (1999) (1999)	10	.30.0.149		ONLINE
SERVER-PC	44.44.47.87.48.	10	.30.0.2		ONLINE
SERVERVM		10	.30.0.150		OFFLINE
TEST-PC		10	.30.0.4		OFFLINE
VMAPPTEST	HONOTOTOTOTO	10	.30.0.152		OFFLINE
VMASTUDIO		10	.30.0.113		OFFLINE
VMDEV10X64	************	10	.30.0.103		OFFLINE
VMOLLI1X64		10	.30.0.190		OFFLINE
VMTESTX64		10	.30.0.107		OFFLINE
VMWIN7X64-PC		10	10.30.0.168		OFFLINE
VMX64MASTER		10	10.30.0.110		OFFLINE
WIN10X64-PC	88, 88, 88, 88, 88, 88,	10	.30.0.162		OFFLINE
WLAN	ACCESSION AND ADDRESS	10	.30.0.20		OFFLINE
WORK-PC	24.04.00.30.41	10	.30.0.3		ONLINE
Deep Scan 🕴 <		All Use	rs Hostlist	5.	Clear List
Add / change host e	ntry manually:				
Hostname:		GetIP	Address	Set	Add as SPECIAL
IP-Address:		Get Hostname		Set/Add as WIN-PC	
MAC-Address:		Wa	WakeUp U		pdate List-Entry
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In the normal view of the application, the host list is displayed with the host name, MAC address, IP address and state. Double-clicking on an entry will start the remote computer. <u>Warning</u>: This only works if the respective device supports this feature and it has been configured correctly!

Clicking on the "... Users Hostlist" button toggles between the host list for all and the host list for the logged in user. Pressing the "<<" button toggles between narrow view (only host names visible) and full view.

The Hostname, IP-Address, and MAC-Address fields can be used to manually add a computer to the list or manually change an entry from the list.

To distinguish between Windows computers (red / green) and other devices such as WiFi-, LAN-, WAN-router, TV and DVD devices, etc. (grey), the devices can be marked as a Windows PC (button "Set / Add as WIN-PC ") or as a special device (button" Set / Add as SPECIAL ").

👷 Wake On Lan ¥3.0.2			©Olgotools 📃 🗖 🎗
Options Info			
Hostname	MAC-Address	IP-Address	PC State
FRITZ	10.00.00.00.00.00.	10.30.0.1	ONLINE
MEDIA-PC	IN STATE OF STREET	10.30.0.5	OFFLINE
NAS	ALC: NO. 100, 100, 100,	10.30.0.99	OFFLINE
OLLI-NB	STATISTICS.	10.30.0.160	OFFLINE
POWERSTRIP	AND 100 100 100 100.	10.30.0.254	ONLINE
SAMSUNG-TV	100-100-007-008-008-	10.30.0.100	OFFLINE
SERVER-HOST	70.00.00.00.00.00	10.30.0.149	ONLINE
SERVER-PC		10.30.0.2	ONLINE
SERVERVM	Statement of the local division of the local	10.30.0.150	OFFLINE
TEST-PC	FIL 10 10 10 10	10.30.0.4	OFFLINE
VMAPPTEST		10.30.0.152	OFFLINE
VMASTUDIO		10.30.0.113	OFFLINE
VMDEV10X64	COLUMN STREET,	10.30.0.103	OFFLINE
VMOLLI1X64		10.30.0.190	OFFLINE
VMTESTX64		10.30.0.107	OFFLINE
VMWIN7X64-PC		10.30.0.168	OFFLINE
VMX64MASTER		10.30.0.110	OFFLINE
WIN10X64-PC	PR. 20. 20. 20. 20.	10.30.0.162	ONLINE
WLAN		0.0.20	OFFLINE
WORK-PC		0.0.3	ONLINE
Checks the loc bostlist and life	tal network, saves new ho: necessary updates existi	sts in the	
nostiist and, ii	necessary, upuaces existi	ng entries:	
Deep Scan 🕻 <		All Users Hostlist	🔭 🛛 Clear List
Add / change host er	itry manually:		
Hostname:		Get IPAddress	Set/Add as SPECIAL
IP-Address: 234.	42.54.45	Get Hostname	Set/Add as WIN-PC
MAC-Address:		WakeUp	Update List-Entry
© 2006 - 2018 Oliver Gö	ißler 🔵 ww	w.olgotools.com	m Exit

5. Context Menu

There is a context menu for each device entry in the list, depending on the device type and state, different actions are available.

If the status of the corresponding device is "OFFLINE", the entries "Suspend", "Reboot", "Shutdown", "Update Entry" and "Open with RD" (RD = Remote Desktop) are deactivated, if the state of the corresponding device is "ONLINE" and the standby service on the remote PC is not operational this entry also remains disabled.

👷 Wake On Lan V	3.0.2						©Olgotools	_ 🗆 🗙
Options Info								
Hostname		MAC-Ad	ldress		IP-Address		PC State	
FRITZ		14.100	84.88 A	1.000	10.30.0.1		ONLINE	
MED IA-PC		AT1 16 T	we pro as	a 19	10.30.0.5		ONLINE	
NAS	Wake u	ιp	100 J. 10	1.00	10.30.0.99		OFFLINE	
OLLI-NB	Suspen	d			10.30.0.160		OFFLINE	
POWERSTR	Reboot		60 D	1.000	10.30.0.254		ONLINE	
SAMSUNG-	chutda		100	1.492 J	10.30.0.100	10.30.0.100		
SERVER-H	Shutdo	WN	5 B - B	6.49 B	10.30.0.149		ONLINE	
SERVER-P	Update	Entry	11 A 4	1.00	10.30.0.2		ONLINE	
SERVERVM	Delete	from list			10.30.0.150		OFFLINE	
TEST-PC	Set as ⁴	Special	-		10.30.0.4		OFFLINE	
VMAPPTES					10.30.0.152		OFFLINE	
VMASTUDI	Set as t	WIN-PC			10.30.0.113		OFFLINE	
VMDEV10X	Fill inpu	t fields			10.30.0.103		OFFLINE	
VMOLL 11X	Open with RD 🔹 📕		•		10.30.0.190		OFFLINE	
VMTESTX6_	_	_			10.30.0.107		OFFLINE	
VMWIN7X64-P	с				10.30.0.168		OFFLINE	
VMX64MASTER					10.30.0.110		OFFLINE	
WIN1UX64-PC					10.30.0.162		OFFLINE	
WLAN		20. SP	10. CO. C		10.30.0.20		OFFLINE	
WURK-PC		10.10	10.10.0		10.30.0.3		UNLINE	
Deep Scan	<<			All	Users Hostlist		Clea	r List
Add/change	host en	try manu	ially:					
Hostname:				Ge	et IPAddress	Set	/Add as SPE	CIAL
IP-Address:				Get Hostname Set/Add as WIN			HPC	
MAC-Address:					WakeUp	U	pdate List-Er	ıtry
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Context Menu Items:

- Wake Up: Double-clicking on an entry will start the remote computer. <u>Warning</u>: This only works if the respective device supports this feature and it has been configured correctly!
- **Suspend:** Set the device into standby mode provided the standby service on the remote PC is installed and running.
- **Reboot:** Restart the device, in case of problems please pay attention to the correct configuration.
- **Shutdown:** Shutdown the device, in case of a problem please pay attention to the correct configuration.
- **Update entry:** The current entry will be updated if possible and necessary.
- **Delete from list:** The current entry is removed from the list.
- Set as Special: The entry is marked as a "non-Windows" device (grey) (for example, WiFi-, LAN-, WAN-routers, TV and DVD devices).
- Set as Win-PC: The entry is marked as a Windows device which is very likely capable of Wake on LAN, remote reboot, remote shutdown and remote standby (red / green).
- **Fill input fields:** The Hostname, IP-Address, and MAC-Address fields are filled in with the values of the current device entry for manual change.
- **Open with RD:** Opens the Remote Desktop application for the corresponding Windows device for the Admin user or for the currently logged-in user (note the configuration on the remote computers!).

6. Info Menu

In the info menu you will find general points such as about Wake On Lan, version, legal information, homepage, buy an application license and opening the various application directories.

읬 Wake O	🕷 Wake On Lan ¥3.0.2						
Options	Info						
Hostna		About Wal	keOnLan		s		IP-Address
GWROUT:		Open Homepage Purchase a license		2.8	1.00	10.30.0.1	
MED IA-					1. The	10.30.0.5	
NAS-BK		Open App	Folders	•		Open this users hostlist folder	
OLLI-N POWERS	FRIF	,	89.89.	11. i		Open al	ll users hostlist folder
SAMSUN	G-DV	D O	III. 88.			Open application folder	

Info Menu Items:

- **About WakeOnLan:** Here you will find version, support e-mail address, author, legal information and, if available, your license information.

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V3.0.2
Copyright © 2003-2018 by Oliver Gößler
Wake on Lan, remote shutdown and suspend for Windows 7/8/10
Please report bugs and expension ideas to:
wakeonlan@olgotools.com
Autor: Oliver Gößler (weiter Autor genannt) Produkt: Wake On Lan V3.0.2 (weiter Produkt genannt) Homepage: www.olgotools.com
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- **Open Homepage:** Open the OLGOTOOLS homepage in your browser.
- **Purchase a license:** Opens the license page for purchasing a license in your browser.

- **Open App Folders:** Here you can open the application directory, the user-specific settings directory and the directory for all users directly from within the application.

7. Diverse Screenshots

