NirSoft

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NirCmd v2.87 Copyright (c) 2003 - 2024 Nir Sofer

See Also

- <u>Sound Volume View Display, change, mute, unmute the volume level of sound components on Windows 10/7/8/2008 from command line or GUI</u>.
- NK2Edit Edit, merge and fix the AutoComplete files (.NK2) of Microsoft Outlook.

Description

NirCmd is a small command-line utility that allows you to do some useful tasks without displaying any user interface. By running NirCmd with simple command-line option, you can write and delete values and keys in the Registry, write values into INI file, dial to your internet account or connect to a VPN network, restart windows or shut down the computer, create shortcut to a file, change the created/modified date of a file, change your display settings, turn off your monitor, open the door of your CD-ROM drive, and more...

Examples of what you can do with NirCmd

Open the doc			
Close the doc	Welco		
Speaks the te	This site asks for conse	ent to use your data	
		d content, advertising and content	
Speaks the te filename (For	measurement, audience resea	rch and services development	::\temp\speak.wav" 48kHz16BitStereo
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Decrease the 65535)	Your personal data will be processed an	nd information from your device	
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	used specifically by this site or app.	endor(s) and os da partner(s), or	
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Switch the sy state.			
Create a shor	Manage options	Consent	sktop\$" "Switch Volume"
volume between	Manage operans	Consent	skiopą Switch volume
Turn off the monitor	or	nircmd.exe monitor off	
Start the default sc	reen saver	nircmd.exe screensaver	
Put your computer	in 'standby' mode	nircmd.exe standby	
log off the current	user	nircmd.exe exitwin logoff	
Ask if you want to reboot, and if you answer 'Yes', reboot the computer.		nircmd.exe qboxcom "Do you w	ant to reboot ?" "question" exitwin reboot
Turn off your comp	outer	nircmd.exe exitwin poweroff	
Turn off all comput	ters specified in computers.txt!	multiremote copy "c:\temp\computers.txt" exitwin poweroff force	
Dial to "My Internet" connection		nircmd.exe rasdial "My Internet"	•
Disconnect the "My Internet" connection		nircmd.exe rashangup "My Inter	net"
Make your Internet Explorer windows 75% transparent! (192 / 256)		nircmd.exe win trans ititle "inter	rnet explorer" 192
Minimize all your Internet Explorer windows		nircmd.exe win min class "IEFrame"	
Close all your Internet Explorer windows		nircmd.exe win close class "IEF	rame"
Close all your Explorer windows (My Computer, folders, and so on)		nircmd.exe win close class "Cab	pinetWClass"

	et Explorer windows	nircmd.exe win hide class "IEFrame	e" 	
Show all your Internet Explorer windows (after you made them hidden with previous example)		nircmd.exe win show class "IEFram	ne"	
Center all top-level	windows	nircmd.exe win center alltop		
Remove the title ba	r of My Computer window.	nircmd.exe win -style title "my computer" 0x00C00000		
Return the title bar removed in the pre-	of My Computer window that we vious example.	nircmd.exe win +style title "my con	nputer" 0x00C00000	
Set the My Compu hebrew and arabic	nter window to right-to-left order (For languages)	nircmd win +exstyle title "my computer" 0x00400000		
	vs of My Computer window to right- ebrew and arabic languages)	nircmd win child title "my computer" +exstyle all 0x00400000		
Create a shortcut of Internet Explorer w	n your desktop that closes all your vindows	nircmd.exe cmdshortcut " "~\$folder "IEFrame"	r.desktop\$ "Close All IE" win close class	
Create a shortcut of Internet Explorer w	n your desktop that hides all your vindows	nircmd.exe cmdshortcut " "~\$folder "IEFrame"	r.desktop\$ "Hide All IE" win hide class	
Create a shortcut of your Internet Explo	n your desktop that shows back all orer windows	nircmd.exe cmdshortcut " "~\$folder "IEFrame"	desktop\$ "Show All IE" win show class	
Set the Windows C	Calculator as top-most window (above	nircmd exe win settonmost title "Ca	lculator" 1	
Set the Windo	Welco	me		
(non top-mos	This site asks for conse		culator" 0	
Create a shor	This site asks for const	ene to use your data	======================================	
Menu->Prog	Personalised advertising and comeasurement, audience resea	ontent, advertising and content rch and services development	indows Calculator"	
Hide the desk				
Show the des example)	Store and/or access informatio	n on a device		
Hide the start	Your personal data will be processed an	nd information from your device	ayWnd" hide class "button"	
Show the star	(cookies, unique identifiers, and other de accessed by and shared with 134 TCF ve	evice data) may be stored by,	ayWnd" show class "button"	
Hide the clock	used specifically by this site or app.	endor(s) and 05 ad partner(s), or	ayWnd" hide class "TrayClockWClass"	
	Some vendors may process your persor interest, which you can object to by man			
Show the clo	a link at the bottom of this page to mana and cookie settings.		ayWnd" show class "TrayClockWClass	
Create a shor K: CDROM			sktop\$" "Open CDROM" cdrom open k	
Create a shor			irsoft.net" "~\$folder.desktop\$" "NirSof	
Add NirSoft Web folder.	site to your Favorities under Links	nircmd.exe urlshortcut "http://www."	.nirsoft.net" "~\$folder.favorites\$\Links"	
Create a shortcut to NirSoft Web site on the desktop of all computers listed in computers.txt		nircmd.exe multiremote copy "c:\te "http://www.nirsoft.net" "~\$folder.co		
Set the display mode to 800x600x24bit colors		nircmd.exe setdisplay 800 600 24		
Create a shortcut on the desktop that set the display mode to 800x600x24bit colors		nircmd.exe cmdshortcut "~\$folder.d	desktop\$" "800x600x24" setdisplay 800 6	
Copy all shortcuts on your desktop to another folder (f:\temp\desktop).		nircmd.exe execmd copy "~\$folder	.desktop\$*.Ink" f:\temp\desktop	
Restart your Apache server (under Windows NT/2000/XP/2003)		nircmd.exe service restart apache		
Create a shortcut on your desktop that restarts the Apache server		nircmd.exe cmdshortcut "~\$folder.desktop\$" "Restart Apache" service restar apache		
			nircmd.exe service restart w3svc	
		nircmd.exe service restart w3svc		
Apache server		nircmd.exe service restart w3svc		

Open the Registry key that you copied to the clipboard in RegEdit.	nircmd regedit "~\$clipboard\$"	
Disable the screen saver	nircmd.exe regsetval sz "HKCU\control panel\desktop" "ScreenSaveActive" 0	
Enable the screen saver	nircmd.exe regsetval sz "HKCU\control panel\desktop" "ScreenSaveActive" 1	
Change the date/time of the specified filename (creation time and modified time)	nircmd.exe setfiletime "c:\temp\myfile.txt" "24-06-2003 17:57:11" "22-11-2005 10:21:56"	
Copy your desktop folder path to the clipboard	nircmd.exe clipboard set ~\$folder.desktop\$	
Copy your start menu folder path to the clipboard	nircmd.exe clipboard set ~\$folder.start_menu\$	
Copy the content of info1.txt (simple text file) to the clipboard	nircmd.exe clipboard readfile "c:\My Files\info1.txt"	
Add the text content of clipboard to info1.txt	nircmd.exe clipboard addfile "c:\My Files\info1.txt"	
Clear the clipboard	nircmd.exe clipboard clear	
Create all folders specified in "c:\temp\folders.txt". The folder path names are separated by CRLF characters.	nircmd.exe paramsfile "c:\temp\folders.txt" "" "" execmd md ~\$fparam.1\$	
Install the specified .NET assembly in the global assembly cache (like gacutil)	nircmd.exe gac install "C:\temp\MyAssembly\bin\MyAssembly.dll"	
Empty the recycle bin in all drives.	nircmd.exe emptybin	
Answer 'Yes' Wait 2 secons shot.png This site asks for conse	shot "f:\temp\shot nna"	
Save 10 screbetween the secreenshot we screenshot. Personalised advertising and comeasurement, audience researed Store and/or access information.	ch and services development	
Wait until Fire closed"	peak text "Firefox was closed"	
Run RegEdit 7/8/Vista/200 system Regist Your personal data will be processed and (cookies, unique identifiers, and other de accessed by and shared with 134 TCF versused specifically by this site or app.	evice data) may be stored by,	
System Rec System Rec Some vendors may process your personal interest, which you can object to by manage a link at the bottom of this page to manage and cookie settings.	aging your options below. Look for ge or withdraw consent in privacy	
This utility can Server 2003, V	Vindows 2000, Windows XP, Windows	
Versions Hi		

versions n		
Date	Version	Description
23/04/2024	2.87	 Added ~\$folder.localappdata\$ variable. Fixed the ~\$folder.common_programfiles\$ variable to use the correct folder (In previous versions it was identical to ~\$folder.programfiles\$)
01/08/2019	2.86	Fixed bug: elevate and other commands failed to work properly when there were many parameters after the command.
23/06/2019	2.85	 The runinteractive and runinteractivecmd commands now work properly even if you don't run them from a Windows service. Fixed bug: The behvaiour of consolewrite command was unexpected when there was '%' character.
22/04/2019	2.84	Fixed to work again on Windows 98/2000.
19/04/2019	2.83	 Added runinteractive and runinteractivecmd commands, which allows you to run a process or NirCmd command that accesses the GUI from a Windows service. For example, if you try to use the savescreenshot command from a Windows service, you'll get a black image, because NirCmd cannot access the user interface from a Windows service. You can solve this problem with runinteractivecmd command: nircmd.exe runinteractivecmd savescreenshot "c:\temp\screenshot1.png"

		('SYSTEM' user).		
22/03/2019	2.82	• Fixed the savescreenshot or savescreenshotfull commands to	work properly with DPI scaling.	
23/05/2016	2.81	Fixed bug: NirCmd failed to execute the cmdwait, loop and a few other commands after qboxcom and qboxcomtop commands.		
30/01/2016	2.80	 Fixed bug: clipboard readfile failed to read the last character of Added writeufile and addufile to clipboard command, for writing Fixed the restartexplorer command to work properly on Wind 	ing files in Unicode.	
10/08/2013	2.75	 Added new commands: moverecyclebin, suspendprocess, resumeprocess. Added etitle option to the find parameter of win command. 'clipboard readfile' command now reads Unicode files (UTF-8 and UTF-16). 		
29/10/2012	2.71	Added runassystem command, which allows you to run a prod 7/8/Vista/2008)	cess with SYSTEM user (Works on Windows	
		 Added new option to speak command: You can now save the played with any media player (Instead of playing it directly to you had a Added restartexplorer command, which simply restarts Windows Added restartexplorer command. 	your sound card).	
12/09/2012		Welcome	rin command. e, and muteappvolume commands.	
	-	This site asks for consent to use your data	aused a shutdown dialog-box to appear.	
	٥	Personalised advertising and content, advertising and content measurement, audience research and services development	8 only), which allows you to set the	
28/06/2011	<u>Lo</u>	Store and/or access information on a device	only), which allows you to set the volume	
21/06/2011	(cook acces used	personal data will be processed and information from your device ies, unique identifiers, and other device data) may be stored by, seed by and shared with 134 TCF vendor(s) and 63 ad partner(s), or specifically by this site or app.	so on) for the specified number of e screen brightness on laptops and	
	intere a link	est, which you can object to by managing your options below. Look for at the bottom of this page to manage or withdraw consent in privacy ookie settings.		
			nmands, you can now specify *clipboard	
08/06/2011		I med out cool commonded continues to more property of themay	apture as x, y, width, and height instead reen system with negative coordinates.	
27/03/2011	2.52	 Added 'runas' command, which allows you to run a new proce Added 'Flash' action to the win command, with allows you to 		
13/03/2011	2.51	 Added 'focused' option for setappvolume, changeappvolume, and muteappvolume commands, which allow you to easily change the volume of the application that is currently in focus, on Windows 7/Vista/2008. Added 'default_record' option for setsysvolume, changesysvolume, setsysvolume2, changesysvolume2, and mutesysvolume commands, which allows you set easily change the volume of default recording device, on Windows 7/Vista/2008. 		
24/02/2011	2.50	 Added 3 new sound volume commands to change or mute application volume on Windows 7/Vista/2008: setappvolume, changeappvolume, muteappvolume Added new information command that shows you a message box with all sound devices on your Windows 7/Vista/2008 system: showsounddevices. 		
22/02/2011	2.48	Fixed the problems with the timeout of the tray balloon in trayballoon command.		
		Fixed bug: The sendkeypress command didn't work properly	31 F 1 (F1 F2 1)	

28/11/2010	2.46	 Added option to locate window by process in win command. Added max and min options (Minimized and maximized window). Added x64 builds of nircmd.exe and nircmdc.exe 	
18/10/2010	2.45	 Added trayballoon command - displays a tray balloon with you Added sendkeypress command - Alternative to the sendkey of combination in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration in much easier way, for example: sendkeypress of the consoleration of existing the consoleration in much easier way, for example: sendkeypress of example: sendkeypress	command. Allows you to send key press etrl+shift+esc ing file into one or more files. mode - window or full screen. eackground colors of the console text.
21/02/2010	2.41	Fixed a bug in elevate command: when running a program wit command string as a parameter of the program.	hout parameters, NirCmd sent the elevate
16/02/2010	2.40	 Added elevate and elevatecmd commands to run and execute Windows 7/Vista/2008. Added monitor parameter to setdisplay command, for using it Added setprimarydisplay command. Added folder.programfiles and folder.common_programfiles v Added async_off, async_on, async_low for monitor command memory when you use monitor on/off command 	with multiple monitors.
		Welcome	and.
26/05/2009	2	This site asks for consent to use your data Personalised advertising and content, advertising and content measurement, audience research and services development	esired command in speak', the reference page of speak our default browser.
19/05/2009		Store and/or access information on a device	cuted properly.
20/04/2009	(cook acces	personal data will be processed and information from your device ies, unique identifiers, and other device data) may be stored by, ssed by and shared with 134 TCF vendor(s) and 63 ad partner(s), or specifically by this site or app.	he process was closed.
01/04/2009	intere a link	e vendors may process your personal data on the basis of legitimate est, which you can object to by managing your options below. Look for at the bottom of this page to manage or withdraw consent in privacy cookie settings.	t you specify, by using the Speech library
02/02/2009			ave in Windows .clp format)
01/01/2009	2.20	 New commands: waitprocess, setprocesspriority, qboxtop, ql New action in clipboard command: copyimage (Copy image f 	-
25/06/2008	2.15	New commands: setcursorwin, savescreenshotwin, filldelete	
12/04/2008	2.10	New commands: shellcopy, savescreenshot	
09/02/2008	2.05	 New commands: shellrefresh, convertimage, convertimages New option in clipboard command - saveimage 	
16/06/2007	All sound volume commands and monitor command now works under Vista. New commands: dlg, dlgany, sendkey, sendmouse, returnval New actions in win command - dlgclick, dlgsettext, dlgsetfocus		
24/07/2006	1.85	New command: cmdshortcutkey	
15/07/2006	 Starting from this version, if you don't specify a sound device index in setsysvolume, changesysvolume, setsysvolume2, changesysvolume2 and mutesysvolume commands, the default sound device in control panel ("preferred device") is used. New find options in win command: active, foreground, desktop 		

		New find option in Win command: alltopnodesktop	
18/02/2006	1.82	 New win actions: postmsg and sendmsg. New command: closeprocess NirCmd now returns a non-zero value on error. 	
19/11/2005	1.81	 New command: emptybin - Empty the Recycle Bin. New optional parameter in setdisplay command: refresh rate. rashangup command without parameter - disconnect all active connections. 	
24/09/2005	1.80	 New commands: exec2, cmdwait. New options in clipboard command. Volume commands (setsysvolume, changesysvolume, setsysvonow allows you to change the volume of non-default sound cannot be a set of the commands. 	
07/07/2005	1.70	 New win actions: activate, hideshow, +style, -style, +exstyle, - New commands: movecursor, setcursor. New command: setfilefoldertime - allows you to change the day only. 	
10/06/2005	1.62	New actions in win command: focus, enable, disable	
26/05/2005		Welcome	andifying your system settings in the
07/05/2005	2	measurement, audience research and services development	iple times by loading the parameters from windows (For example: the start button in d, and clear the clipboard.
28/12/2004	(coo	r personal data will be processed and information from your device kies, unique identifiers, and other device data) may be stored by, essed by and shared with 134 TCF vendor(s) and 63 ad partner(s), or	clipboard into the command-line. adow for typing the text that you want
07/12/2004	used Som inter	d specifically by this site or app. The vendors may process your personal data on the basis of legitimate rest, which you can object to by managing your options below. Look for k at the bottom of this page to manage or withdraw consent in privacy	
18/11/2004	and	cookie settings.	lso use the following abbreviated key _LOCAL_MACHINE, HKCR for r HKEY_CURRENT_CONFIG.
03/11/2004	1.55	rixed monitor on problem in Ar Sr 2.	
09/10/2004	117/ 11	rasapi32.dll is now loaded only when using the dial commands (rasdial, rasdialdlg, rashangup). In previous versions, NirCmd was statically linked to rasapi32.dll, and that caused problems in old NT systems.	
29/09/2004	1.51	Variable names are now enclosed with '\$' char instead of '%' char. I made this change because the '%' char causes problems when running NirCmd from cmd/bat file. using the '%' char for variable names is still supported for backward compatibility.	
22/09/2004	1.50	New commands: cmdshortcut, regsvr, mutesysvolume, changesysvolume, changesysvolume2, setsysvolume2 New actions in win command: trans, setsize, settopmost, ititle. New variables: folder.nircmd, nir.exefile nircmdc.exe - console version of NirCmd. Changed name - from NirComLime to NirCmd.	
05/05/2004	1.40	 New commands: wait, setvolume, setsysvolume, execmd, exec. New commands for executing NirCmd on remote machines: remote and multiremote. Folder and system variables. New option in setfiletime command - set the file time to the current time (now parameter) New parameter in shortcut command - hot key. 	
01/03/2004	New commands: qboxcom, beep, stdbeep, cdrom, urlshortcut, monitor, screensaver, standby, and hibernate. Fixed the bug with ~x string sequences.		
		New commands: setdialuplogon, script	

		• Special string sequences (~q, ~t, ~n and so on) to allow you to embed quotes and new line characters into the parameters of any command.
19/11/2003	1.11	New options in shortcut command
10/10/2003	1.10	New commands: killprocess, service, memdump, win, lockws.
09/09/2003	1.00	First release.

License

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<u>View NirCmd Full Help File</u>

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