Windows wmic command line command

Updated: 06/22/2018 by Computer Hope

About wmic

Short for **WMI console**, **wmic** is a command line command to query WMI entries.

Availability

The wmic command is an external command that is available in the below Microsoft operating systems as wmic.exe.

- » Windows XP professional
- » Windows 2003
- » Windows Vista
- » Windows 7
- » Windows 8
- » Windows 10

Wmic syntax

[global switches] <command>

The following global switches are available:

/NAMESPACE	NAMESPACE - Path for the namespace the alias is to operate against. Namespaces are always relative i.e,. if the namespace does not begin with a "\\" it will be assumed to be relative to the current namespace.
	USAGE:
	/NAMESPACE:<namespace>
/ROLE	ROLE - Path for the role containing the alias definitions to be available for the utility session.

USAGE:

/ROLE:<namespace>
NOTE: Roles are namespaces and should be treated in the same way - i.e., relative paths should behave appropriately (default namespace is '\\root\cli').

/NODE	NODE - Specify what servers the alias will operate against.

USAGE:

/NODE:<machine id list>
NOTE: <machine id list> ::= <@filename | machine id> | <@filename | machine id> <,machine id list>

/IMPLEVEL	IMPLEVEL - Determine what level the command line should impersonate. Default is 'Impersonate'.

USAGE:

/IMPLEVEL:<implevel>[/AUTHORITY:<authority type>]

Various implevels are as follows:
Impersonation Level

Anonymous
Identify
Impersonate
Delegate

Note: Use /AUTHORITY switch for specifying the authority type.

/AUTHLEVEL	AUTHLEVEL - Specify the level the command line should authenticate. Default is 'Pktprivacy'.

USAGE:

/AUTHLEVEL:<authlevel>

Various authlevels are as follows:

Authlevel

Default

None

Connect

Call

Pkt

Pktintegrity

Pktprivacy

/LOCALE	LOCALE - Specify the language id the command line should use.

USAGE:

/LOCALE:<locale identifier>

NOTE: The parameter to the 'LOCALE' switch is of the form MS_XXX.

Where XXX for English is 409, XXX for Finnish is 40b.

/PRIVILEGES	PRIVILEGES - Enable or disable all privileges.

USAGE:

/PRIVILEGES:<option>

NOTE: Allowed value(s) for <option> is either ENABLE or DISABLE.

/TRACE	TRACE - Specify whether output debug information is to be copied to stderr during the processing of the request(s).

USAGE:

/TRACE:<option>

NOTE: Allowed value(s) for <option> is either ON or OFF.

/RECORD	RECORD - Logs all entered commands and WMIC's output to a file in XML format.

USAGE:

/RECORD:<filepath>

/INTERACTIVE   INTERACTIVE - Sets or resets the interactive mode.

                   USAGE:

                   /INTERACTIVE:<option>
                   NOTE: Allowed value(s) for <option> is either ON or OFF.

/FAILFAST   FAILFAST - Sets or resets the FailFast mode.

                   USAGE:

                   /FAILFAST:<option>
                   NOTE: Allowed value(s) for <option> is either ON or OFF.

/USER   USER - Provides the user to be used during the session.

                   USAGE:

                   /USER:<userid>
                   NOTE: User should be provided in the form <domain>\<user>.

/PASSWORD   PASSWORD - Provides the password to be used in logging on to this
                   session.

                   USAGE:

                   /PASSWORD:<password>

/OUTPUT   OUTPUT - Specifies the mode for output redirection.

                   USAGE:

                   /OUTPUT:<outputspec>
                   NOTE: <outputspec> ::= (STDOUT | CLIPBOARD | <filename>)
                   STDOUT - Output will be redirected to the STDOUT.

CLIPBOARD - Output will be copied on to CLIPBOARD.

<filename> - Output will be written to the specified file.

/APPEND   APPEND - Specifies the mode for output redirection.

USAGE:

/APPEND:<outputspec>
NOTE: <outputspec> ::= (STDOUT | CLIPBOARD | <filename>)
STDOUT - Output will be redirected to the STDOUT.
CLIPBOARD - Output will be copied on to CLIPBOARD.
<filename> - Output will be appended to the specified file.

/AGGREGATE   AGGREGATE - Determines the mode of displaying results.

USAGE:

/AGGREGATE:<option>.
NOTE: Allowed value(s) for <option> is either ON or OFF.

/AUTHORITY   AUTHORITY - Specifies the <authority type> for the connection.

USAGE:

/AUTHORITY:<authority type>

/?   /? - Displays specification/syntax for help commands.

USAGE:

/?:[<helpType>]
NOTE: Allowed value(s) for <helpType> is either BRIEF or FULL.

NOTE: Enclose the switch value in double quotes, if the value contains special characters like '-' or '/'.

The following alias/es are available in the current role:

ALIAS   Access to the aliases available on the local system.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

ALIAS ASSOC [<format specifier>]
ALIAS CALL <method name> [<actual param list>]
ALIAS CREATE <assign list>
ALIAS DELETE
ALIAS GET [<property list>] [<get switches>]
ALIAS LIST [<list format>] [<list switches>]

BASEBOARD   Base board (also known as a motherboard or system board)
                                          management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

BASEBOARD ASSOC [<format specifier>]
BASEBOARD CREATE <assign list>
BASEBOARD DELETE
BASEBOARD GET [<property list>] [<get switches>]
BASEBOARD LIST [<list format>] [<list switches>]

BIOS   Basic input/output services (BIOS) management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

BIOS ASSOC [<format specifier>]
BIOS CREATE <assign list>
BIOS DELETE

BIOS GET [<property list>] [<get switches>]

BIOS LIST [<list format>] [<list switches>]

BOOTCONFIG	Boot configuration management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

BOOTCONFIG ASSOC [<format specifier>]

BOOTCONFIG CREATE <assign list>

BOOTCONFIG DELETE

BOOTCONFIG GET [<property list>] [<get switches>]

BOOTCONFIG LIST [<list format>] [<list switches>]

CDROM	CD-ROM management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

CDROM ASSOC [<format specifier>]

CDROM CREATE <assign list>

CDROM DELETE

CDROM GET [<property list>] [<get switches>]

CDROM LIST [<list format>] [<list switches>]

COMPUTERSYSTEM	Computer system management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

COMPUTERSYSTEM ASSOC [<format specifier>]

COMPUTERSYSTEM CALL <method name> [<actual param list>]

COMPUTERSYSTEM CREATE <assign list>

COMPUTERSYSTEM DELETE

COMPUTERSYSTEM GET [<property list>] [<get switches>]

COMPUTERSYSTEM LIST [<list format>] [<list switches>]

COMPUTERSYSTEM SET [<assign list>]

CPU   CPU management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

CPU ASSOC [<format specifier>]

CPU CREATE <assign list>

CPU DELETE

CPU GET [<property list>] [<get switches>]

CPU LIST [<list format>] [<list switches>]

CSProduct   Computer system product information from SMBIOS.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

CSProduct ASSOC [<format specifier>]

CSProduct CREATE <assign list>

CSProduct DELETE

CSProduct GET [<property list>] [<get switches>]

CSProduct LIST [<list format>] [<list switches>]

DATAFILE   DataFile Management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

DATAFILE ASSOC [<format specifier>]
DATAFILE CALL <method name> [<actual param list>]
DATAFILE CREATE <assign list>
DATAFILE DELETE
DATAFILE GET [<property list>] [<get switches>]
DATAFILE LIST [<list format>] [<list switches>]

DCOMAPP   DCOM Application management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

DCOMAPP ASSOC [<format specifier>]
DCOMAPP CREATE <assign list>
DCOMAPP DELETE
DCOMAPP GET [<property list>] [<get switches>]
DCOMAPP LIST [<list format>] [<list switches>]

DESKTOP   User's Desktop management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

DESKTOP ASSOC [<format specifier>]
DESKTOP CREATE <assign list>
DESKTOP DELETE
DESKTOP GET [<property list>] [<get switches>]
DESKTOP LIST [<list format>] [<list switches>]

DESKTOPMONITOR   Desktop Monitor management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

DESKTOPMONITOR ASSOC [<format specifier>]
DESKTOPMONITOR CREATE <assign list>
DESKTOPMONITOR DELETE
DESKTOPMONITOR GET [<property list>] [<get switches>]
DESKTOPMONITOR LIST [<list format>] [<list switches>]

| DEVICEMEMORYADDRESS | Device memory addresses management. |

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

DEVICEMEMORYADDRESS ASSOC [<format specifier>]
DEVICEMEMORYADDRESS CREATE <assign list>
DEVICEMEMORYADDRESS DELETE
DEVICEMEMORYADDRESS GET [<property list>] [<get switches>]
DEVICEMEMORYADDRESS LIST [<list format>] [<list switches>]

| DISKDRIVE | Physical disk drive management. |

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

DISKDRIVE ASSOC [<format specifier>]
DISKDRIVE CREATE <assign list>
DISKDRIVE DELETE

DISKDRIVE GET [<property list>] [<get switches>]

DISKDRIVE LIST [<list format>] [<list switches>]

DISKQUOTA   Disk space usage for NTFS volumes.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

DISKQUOTA ASSOC [<format specifier>]

DISKQUOTA CREATE <assign list>

DISKQUOTA DELETE

DISKQUOTA GET [<property list>] [<get switches>]

DISKQUOTA LIST [<list format>] [<list switches>]

DISKQUOTA SET [<assign list>]

DMACHANNEL   Direct memory access (DMA) channel management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

DMACHANNEL ASSOC [<format specifier>]

DMACHANNEL CREATE <assign list>

DMACHANNEL DELETE

DMACHANNEL GET [<property list>] [<get switches>]

DMACHANNEL LIST [<list format>] [<list switches>]

ENVIRONMENT   System environment settings management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

ENVIRONMENT ASSOC [<format specifier>]

ENVIRONMENT CREATE <assign list>

ENVIRONMENT DELETE

ENVIRONMENT GET [<property list>] [<get switches>]

ENVIRONMENT LIST [<list format>] [<list switches>]

ENVIRONMENT SET [<assign list>]

FSDIR   Filesystem directory entry management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

FSDIR ASSOC [<format specifier>]

FSDIR CALL <method name> [<actual param list>]

FSDIR CREATE <assign list>

FSDIR DELETE

FSDIR GET [<property list>] [<get switches>]

FSDIR LIST [<list format>] [<list switches>]

GROUP   Group account management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

GROUP ASSOC [<format specifier>]

GROUP CALL <method name> [<actual param list>]

GROUP CREATE <assign list>

GROUP DELETE

GROUP GET [<property list>] [<get switches>]

GROUP LIST [<list format>] [<list switches>]

IDECONTROLLER   IDE Controller management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

IDECONTROLLER ASSOC [<format specifier>]

IDECONTROLLER CREATE <assign list>

IDECONTROLLER DELETE

IDECONTROLLER GET [<property list>] [<get switches>]

IDECONTROLLER LIST [<list format>] [<list switches>]

IRQ — Interrupt request line (IRQ) management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

IRQ ASSOC [<format specifier>]

IRQ CREATE <assign list>

IRQ DELETE

IRQ GET [<property list>] [<get switches>]

IRQ LIST [<list format>] [<list switches>]

JOB — Provides access to the jobs scheduled using the schedule service.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

JOB ASSOC [<format specifier>]

JOB CALL <method name> [<actual param list>]

JOB CREATE <assign list>

JOB DELETE

JOB GET [<property list>] [<get switches>]

JOB LIST [<list format>] [<list switches>]

LOADORDER — Management of system services that define execution dependencies.

LOADORDER - Management of system services that define execution dependencies.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

LOADORDER ASSOC [<format specifier>]
LOADORDER CREATE <assign list>
LOADORDER DELETE
LOADORDER GET [<property list>] [<get switches>]
LOADORDER LIST [<list format>] [<list switches>]

LOGICALDISK   Local storage device management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

LOGICALDISK ASSOC [<format specifier>]
LOGICALDISK CALL <method name> [<actual param list>]
LOGICALDISK CREATE <assign list>
LOGICALDISK DELETE
LOGICALDISK GET [<property list>] [<get switches>]
LOGICALDISK LIST [<list format>] [<list switches>]
LOGICALDISK SET [<assign list>]

LOGON   LOGON Sessions.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

LOGON ASSOC [<format specifier>]

LOGON CREATE <assign list>

LOGON DELETE

LOGON GET [<property list>] [<get switches>]

LOGON LIST [<list format>] [<list switches>]

MEMCACHE   Cache memory management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

MEMCACHE ASSOC [<format specifier>]

MEMCACHE CREATE <assign list>

MEMCACHE DELETE

MEMCACHE GET [<property list>] [<get switches>]

MEMCACHE LIST [<list format>] [<list switches>]

MEMORYCHIP   Memory chip information.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

MEMORYCHIP ASSOC [<format specifier>]

MEMORYCHIP CREATE <assign list>

MEMORYCHIP DELETE

MEMORYCHIP GET [<property list>] [<get switches>]

MEMORYCHIP LIST [<list format>] [<list switches>]

MEMPHYSICAL   Computer system's physical memory management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

MEMPHYSICAL ASSOC [<format specifier>]

MEMPHYSICAL CREATE <assign list>

MEMPHYSICAL DELETE

MEMPHYSICAL GET [<property list>] [<get switches>]

MEMPHYSICAL LIST [<list format>] [<list switches>]

NETCLIENT	Network Client management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

NETCLIENT ASSOC [<format specifier>]

NETCLIENT CREATE <assign list>

NETCLIENT DELETE

NETCLIENT GET [<property list>] [<get switches>]

NETCLIENT LIST [<list format>] [<list switches>]

NETLOGIN	Network login information (of a particular user) management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

NETLOGIN ASSOC [<format specifier>]

NETLOGIN CREATE <assign list>

NETLOGIN DELETE

NETLOGIN GET [<property list>] [<get switches>]

NETLOGIN LIST [<list format>] [<list switches>]

NETPROTOCOL	Protocols (and their network characteristics) management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

NETPROTOCOL ASSOC [<format specifier>]

NETPROTOCOL CREATE <assign list>

NETPROTOCOL DELETE

NETPROTOCOL GET [<property list>] [<get switches>]

NETPROTOCOL LIST [<list format>] [<list switches>]

NETUSE   Active network connection management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

NETUSE ASSOC [<format specifier>]

NETUSE CREATE <assign list>

NETUSE DELETE

NETUSE GET [<property list>] [<get switches>]

NETUSE LIST [<list format>] [<list switches>]

NIC   Network Interface Controller (NIC) management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

NIC ASSOC [<format specifier>]

NIC CREATE <assign list>

NIC DELETE

NIC GET [<property list>] [<get switches>]

NIC LIST [<list format>] [<list switches>]

NICCONFIG   Network adapter management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

NICCONFIG ASSOC [<format specifier>]

NICCONFIG CALL <method name> [<actual param list>]

NICCONFIG CREATE <assign list>

NICCONFIG DELETE

NICCONFIG GET [<property list>] [<get switches>]

NICCONFIG LIST [<list format>] [<list switches>]

NTDOMAIN   NT Domain management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

NTDOMAIN ASSOC [<format specifier>]

NTDOMAIN CREATE <assign list>

NTDOMAIN DELETE

NTDOMAIN GET [<property list>] [<get switches>]

NTDOMAIN LIST [<list format>] [<list switches>]

NTDOMAIN SET [<assign list>]

NTEVENT   Entries in the NT Event Log.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

NTEVENT ASSOC [<format specifier>]

NTEVENT CREATE <assign list>

NTEVENT DELETE

NTEVENT GET [<property list>] [<get switches>]

NTEVENT LIST [<list format>] [<list switches>]

NTEVENTLOG   NT eventlog file management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

NTEVENTLOG ASSOC [<format specifier>]
NTEVENTLOG CALL <method name> [<actual param list>]
NTEVENTLOG CREATE <assign list>
NTEVENTLOG DELETE
NTEVENTLOG GET [<property list>] [<get switches>]
NTEVENTLOG LIST [<list format>] [<list switches>]
NTEVENTLOG SET [<assign list>]

ONBOARDDEVICE   Management of common adapter devices built into the motherboard (system board).

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

ONBOARDDEVICE ASSOC [<format specifier>]
ONBOARDDEVICE CREATE <assign list>
ONBOARDDEVICE DELETE
ONBOARDDEVICE GET [<property list>] [<get switches>]
ONBOARDDEVICE LIST [<list format>] [<list switches>]

OS   Installed Operating System/s management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

OS ASSOC [<format specifier>]
OS CALL <method name> [<actual param list>]
OS CREATE <assign list>
OS DELETE
OS GET [<property list>] [<get switches>]

OS LIST [<list format>] [<list switches>]

OS SET [<assign list>]

PAGEFILE   Virtual memory file swapping management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

PAGEFILE ASSOC [<format specifier>]
PAGEFILE CREATE <assign list>
PAGEFILE DELETE
PAGEFILE GET [<property list>] [<get switches>]
PAGEFILE LIST [<list format>] [<list switches>]

PAGEFILESET   Page file settings management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

PAGEFILESET ASSOC [<format specifier>]
PAGEFILESET CREATE <assign list>
PAGEFILESET DELETE
PAGEFILESET GET [<property list>] [<get switches>]
PAGEFILESET LIST [<list format>] [<list switches>]
PAGEFILESET SET [<assign list>]

PARTITION   Management of partitioned areas of a physical disk.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

PARTITION ASSOC [<format specifier>]
PARTITION CREATE <assign list>

PARTITION DELETE

PARTITION GET [<property list>] [<get switches>]

PARTITION LIST [<list format>] [<list switches>]

PORT   I/O port management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

PORT ASSOC [<format specifier>]

PORT CREATE <assign list>

PORT DELETE

PORT GET [<property list>] [<get switches>]

PORT LIST [<list format>] [<list switches>]

PORTCONNECTOR   Physical connection ports management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

PORTCONNECTOR ASSOC [<format specifier>]

PORTCONNECTOR CREATE <assign list>

PORTCONNECTOR DELETE

PORTCONNECTOR GET [<property list>] [<get
switches>]

PORTCONNECTOR LIST [<list format>] [<list switches>]

PRINTER   Printer device management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

PRINTER ASSOC [<format specifier>]

PRINTER CALL <method name> [<actual param list>]

PRINTER CREATE <assign list>

PRINTER DELETE

PRINTER GET [<property list>] [<get switches>]

PRINTER LIST [<list format>] [<list switches>]

PRINTER SET [<assign list>]

PRINTERCONFIG   Printer device configuration management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

PRINTERCONFIG ASSOC [<format specifier>]

PRINTERCONFIG CREATE <assign list>

PRINTERCONFIG DELETE

PRINTERCONFIG GET [<property list>] [<get switches>]

PRINTERCONFIG LIST [<list format>] [<list switches>]

PRINTJOB   Print job management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

PRINTJOB ASSOC [<format specifier>]

PRINTJOB CALL <method name> [<actual param list>]

PRINTJOB CREATE <assign list>

PRINTJOB DELETE

PRINTJOB GET [<property list>] [<get switches>]

PRINTJOB LIST [<list format>] [<list switches>]

PROCESS   Process management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

PROCESS ASSOC [<format specifier>]
PROCESS CALL <method name> [<actual param list>]
PROCESS CREATE <assign list>
PROCESS DELETE
PROCESS GET [<property list>] [<get switches>]
PROCESS LIST [<list format>] [<list switches>]

Product   Installation package task management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

Product ASSOC [<format specifier>]
Product CALL <method name> [<actual param list>]
Product CREATE <assign list>
Product DELETE
Product GET [<property list>] [<get switches>]
Product LIST [<list format>] [<list switches>]

QFE   Quick Fix Engineering.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

QFE ASSOC [<format specifier>]
QFE CREATE <assign list>
QFE DELETE
QFE GET [<property list>] [<get switches>]
QFE LIST [<list format>] [<list switches>]

QUOTASETTING   Setting information for disk quotas on a volume.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]

<path where>) [<verb clause>].

USAGE:

QUOTASETTING ASSOC [<format specifier>]
QUOTASETTING CREATE <assign list>
QUOTASETTING DELETE
QUOTASETTING GET [<property list>] [<get switches>]
QUOTASETTING LIST [<list format>] [<list switches>]
QUOTASETTING SET [<assign list>]

RDACCOUNT　　　　　　　Remote Desktop connection permission management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

RDACCOUNT ASSOC [<format specifier>]
RDACCOUNT CALL <method name> [<actual param
list>]
RDACCOUNT CREATE <assign list>
RDACCOUNT DELETE
RDACCOUNT GET [<property list>] [<get switches>]
RDACCOUNT LIST [<list format>] [<list switches>]

RDNIC　　　　　　　Remote Desktop connection management on a specific
network adapter.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

RDNIC ASSOC [<format specifier>]
RDNIC CALL <method name> [<actual param list>]
RDNIC CREATE <assign list>
RDNIC DELETE

RDNIC GET [<property list>] [<get switches>]

RDNIC LIST [<list format>] [<list switches>]

RDNIC SET [<assign list>]

RDPERMISSIONS	Permissions to a specific Remote Desktop connection.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

RDPERMISSIONS ASSOC [<format specifier>]

RDPERMISSIONS CALL <method name> [<actual param list>]

RDPERMISSIONS CREATE <assign list>

RDPERMISSIONS DELETE

RDPERMISSIONS GET [<property list>] [<get switches>]

RDPERMISSIONS LIST [<list format>] [<list switches>]

RDTOGGLE	Turning Remote Desktop listener on or off remotely.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

RDTOGGLE ASSOC [<format specifier>]

RDTOGGLE CALL <method name> [<actual param list>]

RDTOGGLE CREATE <assign list>

RDTOGGLE DELETE

RDTOGGLE GET [<property list>] [<get switches>]

RDTOGGLE LIST [<list format>] [<list switches>]

RECOVEROS	Information that will be gathered from memory when the operating system fails.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

RECOVEROS ASSOC [<format specifier>]
RECOVEROS CREATE <assign list>
RECOVEROS DELETE
RECOVEROS GET [<property list>] [<get switches>]
RECOVEROS LIST [<list format>] [<list switches>]
RECOVEROS SET [<assign list>]

REGISTRY   Computer system Registry management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

REGISTRY ASSOC [<format specifier>]
REGISTRY CREATE <assign list>
REGISTRY DELETE
REGISTRY GET [<property list>] [<get switches>]
REGISTRY LIST [<list format>] [<list switches>]
REGISTRY SET [<assign list>]

SCSICONTROLLER   SCSI Controller management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

SCSICONTROLLER ASSOC [<format specifier>]
SCSICONTROLLER CALL <method name> [<actual
param list>]
SCSICONTROLLER CREATE <assign list>
SCSICONTROLLER DELETE
SCSICONTROLLER GET [<property list>] [<get
switches>]

SCSICONTROLLER LIST [<list format>] [<list switches>]

SERVER   Server information management.

                                (<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

                                USAGE:

                                SERVER ASSOC [<format specifier>]
                                SERVER CREATE <assign list>
                                SERVER DELETE
                                SERVER GET [<property list>] [<get switches>]
                                SERVER LIST [<list format>] [<list switches>]

SERVICE   Service application management.

                                (<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

                                USAGE:

                                SERVICE ASSOC [<format specifier>]
                                SERVICE CALL <method name> [<actual param list>]
                                SERVICE CREATE <assign list>
                                SERVICE DELETE
                                SERVICE GET [<property list>] [<get switches>]
                                SERVICE LIST [<list format>] [<list switches>]

SHADOWCOPY   Shadow copy management.

                                (<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

                                USAGE:

                                SHADOWCOPY ASSOC [<format specifier>]
                                SHADOWCOPY CALL <method name> [<actual param

list>]

SHADOWCOPY CREATE <assign list>

SHADOWCOPY DELETE

SHADOWCOPY GET [<property list>] [<get switches>]

SHADOWCOPY LIST [<list format>] [<list switches>]

SHADOWSTORAGE		Shadow copy storage area management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

SHADOWSTORAGE ASSOC [<format specifier>]

SHADOWSTORAGE CALL <method name> [<actual
param list>]

SHADOWSTORAGE CREATE <assign list>

SHADOWSTORAGE DELETE

SHADOWSTORAGE GET [<property list>] [<get
switches>]

SHADOWSTORAGE LIST [<list format>] [<list
switches>]

SHADOWSTORAGE SET [<assign list>]

SHARE		Shared resource management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

SHARE ASSOC [<format specifier>]

SHARE CALL <method name> [<actual param list>]

SHARE CREATE <assign list>

SHARE DELETE

SHARE GET [<property list>] [<get switches>]

SHARE LIST [<list format>] [<list switches>]

SOFTWAREELEMENT		Management of the elements of a software product installed

on a system.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

SOFTWAREELEMENT ASSOC [<format specifier>]
SOFTWAREELEMENT CREATE <assign list>
SOFTWAREELEMENT DELETE
SOFTWAREELEMENT GET [<property list>] [<get switches>]
SOFTWAREELEMENT LIST [<list format>] [<list switches>]

| SOFTWAREFEATURE | Management of software product subsets of SoftwareElement. |

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

SOFTWAREFEATURE ASSOC [<format specifier>]
SOFTWAREFEATURE CALL <method name> [<actual param list>]
SOFTWAREFEATURE CREATE <assign list>
SOFTWAREFEATURE DELETE
SOFTWAREFEATURE GET [<property list>] [<get switches>]
SOFTWAREFEATURE LIST [<list format>] [<list switches>]

| SOUNDDEV | Sound Device management. |

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

SOUNDDEV ASSOC [<format specifier>]
SOUNDDEV CREATE <assign list>
SOUNDDEV DELETE
SOUNDDEV GET [<property list>] [<get switches>]
SOUNDDEV LIST [<list format>] [<list switches>]

STARTUP   Management of commands that run automatically when users log onto the computer system.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

STARTUP ASSOC [<format specifier>]
STARTUP CREATE <assign list>
STARTUP DELETE
STARTUP GET [<property list>] [<get switches>]
STARTUP LIST [<list format>] [<list switches>]

SYSACCOUNT   System account management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

SYSACCOUNT ASSOC [<format specifier>]
SYSACCOUNT CREATE <assign list>
SYSACCOUNT DELETE
SYSACCOUNT GET [<property list>] [<get switches>]
SYSACCOUNT LIST [<list format>] [<list switches>]

SYSDRIVER   Management of the system driver for a base service.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

SYSDRIVER ASSOC [<format specifier>]
SYSDRIVER CALL <method name> [<actual param list>]
SYSDRIVER CREATE <assign list>
SYSDRIVER DELETE
SYSDRIVER GET [<property list>] [<get switches>]
SYSDRIVER LIST [<list format>] [<list switches>]

SYSTEMENCLOSURE   Physical system enclosure management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

SYSTEMENCLOSURE ASSOC [<format specifier>]
SYSTEMENCLOSURE CREATE <assign list>
SYSTEMENCLOSURE DELETE
SYSTEMENCLOSURE GET [<property list>] [<get
switches>]
SYSTEMENCLOSURE LIST [<list format>] [<list
switches>]

SYSTEMSLOT   Management of physical connection points including ports,
slots, and peripherals, and proprietary connections points.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

SYSTEMSLOT ASSOC [<format specifier>]
SYSTEMSLOT CREATE <assign list>
SYSTEMSLOT DELETE
SYSTEMSLOT GET [<property list>] [<get switches>]
SYSTEMSLOT LIST [<list format>] [<list switches>]

TAPEDRIVE   Tape drive management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

TAPEDRIVE ASSOC [<format specifier>]
TAPEDRIVE CREATE <assign list>
TAPEDRIVE DELETE
TAPEDRIVE GET [<property list>] [<get switches>]
TAPEDRIVE LIST [<list format>] [<list switches>]

TEMPERATURE   Data management of a temperature sensor (electronic
thermometer).

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

TEMPERATURE ASSOC [<format specifier>]
TEMPERATURE CREATE <assign list>
TEMPERATURE DELETE
TEMPERATURE GET [<property list>] [<get switches>]
TEMPERATURE LIST [<list format>] [<list switches>]

TIMEZONE   Time zone data management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

TIMEZONE ASSOC [<format specifier>]
TIMEZONE CREATE <assign list>
TIMEZONE DELETE

TIMEZONE GET [<property list>] [<get switches>]

TIMEZONE LIST [<list format>] [<list switches>]

UPS   Uninterruptible power supply (UPS) management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

UPS ASSOC [<format specifier>]

UPS CREATE <assign list>

UPS DELETE

UPS GET [<property list>] [<get switches>]

UPS LIST [<list format>] [<list switches>]

USERACCOUNT   User account management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

USERACCOUNT ASSOC [<format specifier>]

USERACCOUNT CALL <method name> [<actual param list>]

USERACCOUNT CREATE <assign list>

USERACCOUNT DELETE

USERACCOUNT GET [<property list>] [<get switches>]

USERACCOUNT LIST [<list format>] [<list switches>]

USERACCOUNT SET [<assign list>]

VOLTAGE   Voltage sensor (electronic voltmeter) data management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

VOLTAGE ASSOC [<format specifier>]

VOLTAGE CREATE <assign list>

VOLTAGE DELETE

VOLTAGE GET [<property list>] [<get switches>]

VOLTAGE LIST [<list format>] [<list switches>]

VOLUME   Local storage volume management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

VOLUME ASSOC [<format specifier>]

VOLUME CALL <method name> [<actual param list>]

VOLUME CREATE <assign list>

VOLUME DELETE

VOLUME GET [<property list>] [<get switches>]

VOLUME LIST [<list format>] [<list switches>]

VOLUME SET [<assign list>]

VOLUMEQUOTASETTING   Associates the disk quota setting with a specific disk
volume.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>]
<path where>) [<verb clause>].

USAGE:

VOLUMEQUOTASETTING ASSOC [<format specifier>]

VOLUMEQUOTASETTING CREATE <assign list>

VOLUMEQUOTASETTING DELETE

VOLUMEQUOTASETTING GET [<property list>] [<get
switches>]

VOLUMEQUOTASETTING LIST [<list format>] [<list
switches>]

VOLUMEUSERQUOTA   Per user storage volume quota management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

VOLUMEUSERQUOTA ASSOC [<format specifier>]
VOLUMEUSERQUOTA CREATE <assign list>
VOLUMEUSERQUOTA DELETE
VOLUMEUSERQUOTA GET [<property list>] [<get switches>]
VOLUMEUSERQUOTA LIST [<list format>] [<list switches>]
VOLUMEUSERQUOTA SET [<assign list>]

WMISET   WMI service operational parameters management.

(<alias> [WMIObject] | <alias> [<path where>] | [<alias>] <path where>) [<verb clause>].

USAGE:

WMISET ASSOC [<format specifier>]
WMISET CREATE <assign list>
WMISET DELETE
WMISET GET [<property list>] [<get switches>]
WMISET LIST [<list format>] [<list switches>]
WMISET SET [<assign list>]

For more information on a specific alias, type: alias /? at the command prompt.

CLASS   Escapes to full WMI schema.

USAGE:

CLASS <class path expr> [<standardverb> [<verb switches>]]

PATH   Escapes to full WMI object paths.

USAGE:

PATH (<path expr> | (<class path expr> [WHERE <where clause>])) [<verb clause>]

CONTEXT   Displays the state of all the global switches.

QUIT/EXIT   Exits the program.

For more information on CLASS/PATH/CONTEXT, type: (CLASS | PATH | CONTEXT) /? at the prompt.

Wmic examples

Tip: To run the wmic command, you must have administrative rights.

```
wmic
```

Running wmic alone takes you to the **wmic:root\cli>** prompt. Within this prompt type /? to get help at any time or <alias> /? to get additional help with that alias. To quit from the wmic prompt type **quit** or **exit**.

```
wmic logicaldisk get name
```

Display each of the logical disk drives on the computer, as shown below. If you wanted to see all the options for this command, including name, type: **wmic logicaldisk get /?** at the prompt.

Name
C:
D:
E:

```
wmic os list brief
```

This command would give you brief information about the operating system, as shown in the example below.

BuildNumber	Organization	RegisteredUser	SerialNumber	SystemDirectory	Version
7601	Computer Hope	Mrhope	00123-045-6789012-34567	C:\Windows\system32	6.1.7601

wmic printer list status

List the printer status of each of the printers installed on the computer.

WMIC /Output:bios.html BIOS Get Manufacturer,Name,Version /Format:htable

The above command is a little may appear involved, but is still relatively simple. First the /Output: is outputting the commands output to the bios.html file, which will be saved into the current directory. Next, the wmic BIOS get command will get the Manufacturer, Name, Serial Number, and Version of the BIOS. Finally, the /format:htable will format the results into an HTML table. Below, is an example of how the output may appear in the bios.html file.

1 Instances of Win32_BIOS

Node	Manufacturer	Name	SerialNumber	Version
HOPE-PC	DELL INC..	Default System BIOS.	123AB12.	DELL - 20081105.

wmic product list brief

List each of the programs that have been installed on the computer with brief details. Note: This command could take a minute or two to complete depending on how many programs you have installed on the computer and may exceed the limit of what can show in the window. This command can also be made into an HTML table as explained in the previous example.

wmic diskdrive get model,name,size

Display the model, name, and size of the hard drives installed on the computer, as shown in the example below.

Model	Name	Size
WDC WD3000HLFS-75G6U1 ATA Device	\\.\PHYSICALDRIVE0	300066439680
TRUSTED Mass Storage USB Device	\\.\PHYSICALDRIVE1	2199020382720