
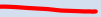




## Cheat Sheet of MSDOS

DOS Command	Description	Equivalent LINUX Commands (Case sensitive)	Sample Code Snippet
<b>ASSOC</b>	Displays or modifies file extension associations.	N/A	assoc
<b>ATTRIB</b>	Displays or changes file attributes.	chmod	attrib -s -r -h <filename>
<b>BREAK</b>	Sets or clears extended CTRL+C checking.	N/A	BREAK [ON   OFF]
<b>BCDEDIT</b>	Sets properties in boot database to control boot loading.	grub*	bcdedit /export <SomeFile>
<b>CACLS</b>	Displays or modifies access control lists (ACLs) of files.	chmod and chown	caccls <SomeDirOrFile> /g <username>:f
<b>CALL</b>	Calls one batch program from another.	exec	call <SomeBatchFile>
<b>CD/CHDIR</b>	Displays the name of or changes the current directory.	cd	cd <SomeDir>
<b>CHCP</b>	Displays or sets the active code page number.	N/A	chcp
<b>CHKDSK</b>	Checks a disk and displays a status report.	fsck	chkdsk <SomeDrive>:
<b>CHKNTFS</b>	Displays or modifies the checking of disk at boot time.	fsck	chkntfs <SomeDrive>: <Parameters>
<b>CLS</b>	Clears the screen.	clear	cls
<b>CMD</b> 	Starts a new instance of the Windows command interpreter.	bash/tcsh/zsh/ksh	cmd
<b>COLOR</b>	Sets the default console foreground and background colors.		color A
<b>COMP</b>	Compares the contents of two files or sets of files.	diff	comp <File1> <File2>
<b>COMPACT</b>	Displays or alters the compression of files on NTFS partitions.	N/A	compact
<b>CONVERT</b>	Converts FAT volumes to NTFS. You cannot convert the current drive.	N/A	CONVERT <drive>: /FS:NTFS
<b>COPY</b> 	Copies one or more files to another location.	cp	copy <SourceFile> <DestFile>
<b>DATE</b>	Displays or sets the date.	date	date /T
<b>DEL</b> 	Deletes one or more files.	rm -iv	del <filename>
<b>DIR</b> 	Displays a list of files and subdirectories in a directory.	ls -l	dir <path>
<b>DISKCOMP</b>	Compares the contents of two floppy/removable disks.	N/A	diskcomp a: b:
<b>DISKCOPY</b>	Copies the contents of one floppy disk to another.	N/A	diskcopy a: b:

<b>DISKPART</b>	Displays or configures Disk Partition properties.	fdisk/parted	
<b>DOSKEY</b>	Edits command lines, recalls Windows commands, and create marcos.	N/A	DOSKEY ls=dir
<b>DRIVERQUERY</b>	Displays current device driver status and properties.	N/A	driverquery
<b>ECHO</b> —	Displays messages, or turns command echoing on or off.	echo	echo %SomeVariable%
<b>ENDLOCAL</b>	Ends localization of environment changes in a batch file.	N/A	endlocal
<b>ERASE</b>	Deletes one or more files.	rm	erase <SomeFile>
<b>EXIT</b>	Quits the CMD.EXE program (command interpreter).	exit	
<b>FC</b>	Compares two files or sets of files, and displays the differences between them.	diff	fc <file1> <file2>
<b>FIND</b>	Searches for a text string in a file or files.	grep	find <SomeToken> <SomeFile>
<b>FOR</b>	Runs a specified command for each file in a set of files.	for/while/foreach	For /f "tokens=2-4 delims=/ " %%a in ('date /T') do (set mydate=%%b-%%a-%%c)
<b>FORMAT</b>	Formats a disk for use with Windows.		format <drive>: /Q /FS:NTFS
<b>FSUTIL</b>	Displays or configures the file system properties.		fsutil volume diskfree <SomeDrive>:
<b>FTYPE</b>	Displays or modifies file types used in file extension associations.	N/A	ftype
<b>GOTO</b>	Directs the Windows command interpreter to a labeled line in a batch program.		goto SomeLabel
<b>GPRESULT</b>	Displays Group Policy information for machine or user.	N/A	gpresult /R
<b>GRAFTABL</b>	Enables Windows to display an extended character set in graphics mode.	N/A	graftabl
<b>HELP</b> —	Provides Help information for Windows commands.		help
<b>ICACLS</b>	Display, modify, backup, or restore ACLs for files and directories.	chmod and chown	icaccls <SomeFile> /grant <SomeUser>:(D,WDAC)
<b>IF</b>	Performs conditional processing in batch programs.	If	IF EXIST filename ( del filename ) ELSE ( echo filename missing. )

<b>LABEL</b>	Creates, changes, or deletes the volume label of a disk.	N/A	label <drive_letter>: <drive_label>
<b>MD</b>	Creates a directory.	mkdir	md <directory_name>
<b>MKDIR</b> 	Creates a directory.	mkdir	mkdir <directory_name>
<b>MKLINK</b>	Creates Symbolic Links and Hard Links	ln	mklink <link_name> <Target_file>
<b>MORE</b>	Displays output one screen at a time.	more	more <file_name>
<b>MOVE</b> 	Moves one or more files from one directory to another directory.	mv	move /Y <SourceFile> <DestPath>
<b>NET</b>	Manipulate a windows service	service	net start <service_name>
<b>OPENFILES</b>	Displays files opened by remote users for a file share.	rsync	Openfiles /query /s <HostName> /u <Username> /p <Password>
<b>PATH</b>	Displays or sets a search path for executable files.		path
<b>PAUSE</b>	Suspends processing of a batch file and displays a message.	N/A	pause
<b>PRINT</b>	Prints a text file.	lpr	
<b>PROMPT</b>	Changes the Windows command prompt.		Change the prompt to Cruuent Time: prompt \$T
<b>RECOVER</b>	Recovers readable information from a bad or defective disk.		recover <drive>:[path]filename
<b>REM</b>	Records comments (remarks) in batch files or CONFIG.SYS.	#	rem some comment
<b>REN/RENAME</b>	Renames a file or files.	mv	ren <filename> <new_filename>
<b>REPLACE</b>	Replaces files.	cp -f	replace <SourceFile> <DestPath>
<b>RMDIR/RD</b> 	Removes a directory.	rmdir	rd <SomeDirectory>
<b>ROBOCOPY</b>	Advanced utility to copy files and directory trees	rsync	ROBOCOPY \\Computer1\reports \\Computer2\backup *.doc /S
<b>SET</b>	Displays, sets, or removes Windows environment variables.	set	SET variable=value echo %variable%
<b>SETLOCAL</b>	Begins localization of environment changes in a batch file.		
<b>SC</b>	Displays or configures services (background processes).	service	sc start <SomeService>
<b>SCHTASKS</b>	Schedules commands and programs to run on a computer.	crontab	schtasks /create /sc hourly /st <StartTime> /tn <TaskName> /tr <AppName>

<b>SHIFT</b>	Shifts the position of replaceable parameters in batch files.		
<b>SHUTDOWN</b>	Allows proper local or remote shutdown of machine.	shutdown now/init 0	To shutdown: shutdown /s /t 0 To restart: shutdown /r /t 0
<b>SORT</b>	Sorts input.	sort	sort <filename>
<b>START</b>	Starts a separate window to run a specified program or command.		start
<b>SUBST</b>	Associates a path with a drive letter.	mount	subst <NewDrive>: <SomeDrivePath>
<b>SYSTEMINFO</b>	Displays machine specific properties and configuration.	dmidcode	systeminfo
<b>TASKLIST</b>	Displays all currently running tasks including services.	ps -ef	tasklist
<b>TASKKILL</b>	Kill or stop a running process or application.	kill	taskkill /ID <process_id>
<b>TIME</b>	Displays or sets the system time.	date	time /T
<b>TITLE</b>	Sets the window title for a CMD.EXE session.		title <SomeTitle>
<b>TREE</b>	Graphically displays the directory structure of a drive or path.	ls -R	tree <SomeDir>
<b>TYPE</b>	Displays the contents of a text file.	cat	type <Filename>
<b>VER</b>	Displays the Windows version.	uname -a	ver
<b>VERIFY</b>	Tells Windows whether to verify that your files are written correctly to a disk.	N/A	verify [ON   OFF]
<b>VOL</b>	Displays a disk volume label and serial number.	vol_id --uuid	vol <somedrive>:
<b>XCOPY</b>	Copies files and directory trees.	cp -R	xcopy <SomeDestDir>
<b>WMIC</b>	Displays Windows Management Instrumentation (WMI) information inside interactive command shell.	N/A	It starts a CLI which accept multiple commands, for help /?

## Some Useful Code Blocks

<b>To set a variable from user input</b>	<b>To go back to the drive root</b>
<code>set /p &lt;SomeVariable&gt;=&lt;PromptText&gt;</code>	<code>CD\</code>
<b>To read and print a file line by line</b>	<b>To move one level up</b>
<code>FOR /F "tokens=*" %i IN (&lt;FileName&gt;) DO @echo %i</code>	<code>CD..</code>
<b>For fast help</b>	<b>To remove a Directory and Subdirectory</b>
<code>&lt;SomeCommand&gt; /?</code>	<code>RD /S &lt;SomeDirectory&gt;</code>
<b>To create/trunk and write into a file</b>	<b>To print special characters ( &gt;, &lt;,   etc )</b>
<code>echo &lt;InputText&gt; &gt; &lt;FileName&gt;</code>	Put caret (^) in front of the special character
<b>To append into a file</b>	<b>To format a drive to NTFS</b>
<code>echo &lt;InputText&gt; &gt;&gt; &lt;FileName&gt;</code>	<code>format &lt;DriveLetter&gt;: /FS:NTFS</code>
<b>To redirect input from file (Ex. to set date from file)</b>	
<code>date &lt; &lt;FileThatGotDate&gt;</code>	

### To run FTP scripts

```
ftp -s:<SampleFTPScript> <IPofFTPServer>
```

### Sample FTP Script content

```
ftpuser  
ftppass  
SomeFTPCommands
```

### Technique to apply sleep (as there is no sleep command)

```
ping <SomeInvalidIP> -n 1 -w <TimeInMilliseconds> > nul
```

### To set IP and DNS to Ethernet port (Ex. Interface Name = Local Area Connection)

```
netsh interface ip set address name="Local Area Connection" static <IPAddress> <SubnetMask> <DefaultGateway>  
netsh interface ip set dns "Local Area Connection" static <PrimaryDNS>  
netsh interface ip set wins "Local Area Connection" static <SecondaryDNS>
```

### To view IP Configurations

```
ipconfig /all
```

### To view all entries of ARP table

```
arp -a
```

### To view Network Connections

```
netstat
```

### To view routing configurations

```
route print
```

### To add a persistent route

```
route add <NetworkAdds> mask <SubnetMask> <GatewayAdds> -p
```