

# Windows -> Cheatsheet

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Windows command

command	Description
COPY	Copies files to another location
DIR	Displays files and folders in current directory
DEL or ERASE	Deletes files
EDIT	Starts file editor
CD	Changes directory
FC	Compares files and shows the differences between them
FIND	Finds a text string in the file
MD or MAKEDIR	Creates a folder
MOVE	Moves files from one folder to another
PRINT	Prints out the text file contents
RD or RMDIR	Deletes a folder
REN or RENAME	Renames a file or folder
REPLACE	Replaces files in one directory with files of the same name in another directory (overwrite)
ROBOCOPY	Uses an advanced tool to copy files and directories
TREE	Shows directory structure of a disk or folder
TYPE	Displays the contents of text files
OPENFILES	Manages opened local or network files
XCOPY	Copies files and directory trees
Applications and Processes	Description
SCHTASKS	Executes a command or start a scheduled application (Task Scheduler)
SHUTDOWN	Shutowns or reboots your computer
TASKLIST	Lists the tasks being performed
TASKKILL	Stops or halts a task (to stop a task you use a PID which you can find out from TASKLIST)
REG	Starts registry editor
RUNAS	Launches the task as another user
Disks Management	Description
CHKDISK	Checks disk and shows statistics
DEFRAG	Starts disk defragmentation
CHKNTFS	Displays or changes execution of disk check at boot
COMPACT	Displays and change the compression of files in NTFS partitions

command	Description
CONVERT	Converts FAT disk volume to NTFS
DISKPART	Displays and adjusts disk partition properties
FORMAT	Formats the disk
FSUTIL	Displays and configures file system properties
LABEL	Creates, changes, or deletes a disk volume label
RECOVER	Recovers data from a bad or damaged disk
VOL	Displays volume label and serial number for the disk
System Information	Description
DATE	Outputs or sets the current date
TIME	Displays or sets the system time
DRIVERQUERY	Displays the current state and properties of the device driver
HOSTNAME	Displays name of the computer
SYSTEMINFO	Shows configuration information about your computer
VER	Allows you to view the Windows version
GPRESULT	Displays current applied group policies (RSoP)
GPUPDATE	Updates group policies
Network	Description
IPCONFIG	Shows information about network interfaces
PING	Sends ICMP requests to the target host, checks host availability
TRACERT	Finds the path for packets traveling over the network
NSLOOKUP	Finds IP address by resource name
ROUTE	Displays network route tables
ARP	Shows a table with IP addresses converted into physical addresses
NETSH	Starts is a network settings control program
GETMAC	Shows the MAC address of the network adapter
TFTP	Starts TFTP client in console
Command Line Setup	Description
CLS	Clears screen
CMD	Displays another command prompt
COLOR	Sets the text and background color
PROMPT	Changes the command line prompt
TITLE	Assigns a title for the current session
HELP	Launches CMD help
EXIT	Exits the command line

## Linux command

command	Description
ls	Lists all files and directories in the present working directory
ls-R	Lists all files and directories in the present working directory
ls-a	Lists hidden files as well
ls-al	Lists files and directories with detailed information like permissions,size, owner, etc.
cd or cd ~	Navigate to HOME directory
cd ..	Move one level up
cd To	change to a particular directory
cd / Move	to the root directory
cat > filename	Creates a new file
cat filename	Displays the file content
cat file1 file2 > file3	Joins two files (file1, file2) and stores the output in a new file (file3)
mv file "new file path"	Moves the files to the new location
mv filename new_file_name	Renames the file to a new filename
sudo	Allows regular users to run programs with the security privileges of the superuser or root
rm	filename Deletes a file
man	Gives help information on a command
history	Gives a list of all past commands typed in the current terminal session
clear	Clears the terminal
mkdir directoryname	Creates a new directory in the present working directory or a at the specified path
rmdir	Deletes a directory
mv	Renames a directory
pr -x	Divides the file into x columns
pr -h	Assigns a header to the file
pr -n	Denotes the file with Line Numbers
apt-get	Command used to install and update packages
ls-l	to show file type and access permission
r	read permission
w	write permission
x	execute permission
x	no permission
-=	no permission
Chown user	For changing the ownership of a file/directory
Chown user:group filename	change the user as well as group for a file or directory

command	Description
echo \$VARIABLE	To display value of a variable
env	Displays all environment variables
VARIABLE_NAME= variable_value	Create a new variable
export Variable=value	o set value of an environment variable
sudo adduser username	To add a new user
sudo passwd -l 'username'	To change the password of a user
sudo userdel -r 'username'	To remove a newly created user