

Windows Commands



Command	Meaning
ipconfig	Shows the IP address of the system
netstat	Displays all active network connections and ports
nslookup	Displays information that you can use to diagnose Domain Name System (DNS) infrastructure
ping	Verifies connectivity to another TCP/IP computer
chdir	Shows the name of the current directory or changes the current folder
dir	Displays a directory's file list and subdirectories
echo	Turns the command-echoing feature on or off
format	Formats the disk
help	Provides online information about system commands
label	Creates, changes, or deletes the volume label of a harddisk
mkdir	Creates a directory or subdirectory
nbtstat	Displays protocol statistics and current TCP/IP connections
systeminfo	Displays comprehensive configuration information about a computer and its operating system

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UNIX Operating System



- UNIX is an operating system which was first developed in the 1960s and designed for use on any type of **computer system** or computing device.

Three main components

Kernel	<ul style="list-style-type: none"> Operating system brain Allocates time and memory to programs Handles file store and communicates with system calls
Shell	<ul style="list-style-type: none"> The interface between the user and the kernel
Programs	<ul style="list-style-type: none"> Processes running on the machine

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UNIX Directory Structure



- All files are grouped together in the **directory structure**
- The file system is arranged in a **hierarchical structure**, like an inverted tree
- The top of the hierarchy is traditionally called **root** (denoted by a slash "/")



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Command	Syntax	Meaning
ls	ls options files(s)	List the contents of a directory
cd	cd path	Change directory
mkdir	mkdir dirname	Create a directory
rmdir	rmdir dirname	Remove directory
cp	cp file1 file2	Copy files or directories
rm	rm filename	Remove or delete specific files
mv	mv old.html new.html	Move or rename files
passwd	passwd	Change password
grep	grep string file	Search for a character string in a file
diff	diff file1 file2	Compare two files and report the differences
head	head filename	Show the first 10 lines of a file
ispell	ispell file	Check the spelling of the contents of a file
pr	pr file	Prepare text for printing with headers and page breaks
pwd	pwd	Display the current directory's full pathname
id	id username	Display your system ID numbers

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Notes: _____
