Linux Command Guide - Detailed Description

Navigation & Directory Commands

cd d:
  -> Changes current working directory to D: drive (Windows style).

cd aws
  -> Moves into 'aws' directory.

cd linux
  -> Moves into 'linux' directory.

cd foo
  -> Enters the 'foo' subdirectory.

cd ..
  -> Moves up one level (to parent directory).

Listing Files and Directories

ls
  -> Lists files and folders in current directory.

ls -l
  -> Long listing format including permissions, owner, size, date.

ls -a
  -> Lists all files, including hidden ones like '.' and '..'.

ls -la
  -> Combines long list and show all files.

ls -lt
  -> Long list sorted by modification time (newest first).

ls -lh
  -> Long list with human-readable sizes (KB/MB).

ls -lS
  -> Long list sorted by file size.

ls -ls
  -> Shows size in blocks along with files.

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ls -lH
  -> Long list following symlinks.

File Creation & Editing

nano <file>
  -> Opens file in nano editor; creates if doesn't exist.

touch <file>
  -> Creates an empty file or updates its timestamp.

File Viewing Commands

cat <file>
  -> Displays contents of the file.

head -n N <file>
  -> Shows the first N lines of the file.

tail -n N <file>
  -> Shows the last N lines of the file.

less <file>
  -> Opens file in scrollable viewer.

File Manipulation

cp source target
  -> Copies a file.

mv source target
  -> Moves or renames a file.

File Searching

find <path> -name <file>
  -> Searches for file by name in path.

Symbolic Links

ln -s <target>
  -> Creates a symbolic link to target file or dir.

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File Search & Pattern Matching

grep <pattern> <file>
  -> Searches for matching pattern in file.

sed 's/a/b/g' <file>
  -> Replaces pattern 'a' with 'b' globally in output.

Directory Creation

mkdir <dir>
  -> Creates a new directory.

Miscellaneous

pwd
  -> Prints current working directory.

echo <text>
  -> Prints text to terminal.