



# Navigating the File System

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# ls

## List

### ls command

- Lists directory contents.

### Usage

- `ls [options] [file|directory]`

### Options

<b>-l</b>	long listing format
<b>-a</b>	show hidden files
<b>-h</b>	human-readable sizes

### Example

- `ls -l`

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# cd

## Change Directory

### cd command

- Changes the current working directory

### Usage

- cd [directory]

### Example

- cd Documents



# pwd

## Print Working Directory

### pwd command

- prints current directory



# mkdir

## Make Directory

### mkdir command

- Creates a new directory

### Syntax

- mkdir [directory\_name]

### Example

- Input: mkdir new\_folder
- Output: Creates a new directory named "new\_folder".



# rmmdir

## Remove Directory

### rmmdir command

- Deletes an empty directory

### Syntax

- `rmmdir [directory_name]`

### Example

- Input: `rmmdir new_folder`
- Output: Deletes a directory named "new\_folder".



# rm

## Remove

### rm command

- removes files or directories

### Usage

- `rm [options] [file | directory]`

### Options

**-r**

recursively remove directories

**-f**

force removal without confirmation

### Example

- `rm file1.txt`

# touch

## Creating Files

Creates empty files or updates the timestamp of existing files.

### Additional Options

<b>-a</b>	<b>--time=atime</b>	Change only the access time.
<b>-c</b>	<b>--no-create</b>	Do not create any files
<b>-d</b>	<b>-- date=STRING</b>	Use STRING as the modification time.

### Syntax

- `touch [options] [filename]`





# cp

## Copy

## cp command

- Copies files or directories

## Usage

- cp [options] source destination

## Options

**-r**

copy directories recursively

**-i**

prompt before overwrite

## Example

- cp file1 ~/home/ec2-user

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# mv

## Moving Files

Moves files or directories from one location to another.

### Options

-b	--backup	Make a backup of each existing destination file.
-f	--force	Do not prompt before overwriting.
-u	--update	Move only when the source file is newer than the destination file or when the destination file is missing.

### Syntax

- mv [options] [source] [destination]

# Navigation Commands

## Overview

<b>ls</b>	Lists directory contents
<b>cd</b>	Changes directories
<b>pwd</b>	Prints current directory
<b>mkdir</b>	Creates a new directory
<b>rmdir</b>	Deletes an empty directory
<b>rm</b>	Removes files or directories
<b>touch</b>	Creates an empty file
<b>cp</b>	Copies files or directories
<b>mv</b>	Moves file or directories to another location

# Demonstrations

