

Finding Files and Directories

What You Will Learn

- Two commands that allow you to find files and directories.

The `find` Command

```
find [path...] [expression]
```

Recursively finds files in path that match expression. If no arguments are supplied it find all files in the current directory.

find Options

- `-name pattern` Find files and directories that match pattern.
- `-iname pattern` Like `-name`, but ignores case.
- `-ls` Performs an `ls` on each of the found items.

find Options

`-mtime days` Finds files that are days old.

`-size num` Finds file that are of size num.

`-newer file` Finds files that are newer than file.

`-exec command {} \;`

Run command against all the files that are found.

Demo - Find

A Fast Find - locate

`locate pattern`

- Lists files that match pattern.
- Faster than the `find` command.
- Queries an index.
- Results are not in real time.
- May not be enabled on all systems.

Demo - locate

Summary

- `find`
- `locate`