

Grep

Grep is a command line utility for searching regular expressions. Info on regular expressions can be found at https://en.wikipedia.org/wiki/Regular_expression

The important regular expression operators in grep are * (repeats 0+ times), |; (or), ^ (start of line), and \$ (end of line)

Grep has the following general usage: `grep -flags regexp GLOB`, where `regexp` is a regular expression and `GLOB` is a filename pattern

General output format is: filename line with match

Important flags:

- r -> recursive search
- include=GLOB and --exclude=GLOB -> additional file include/exclude
- n -> outputs matched line number
- c -> outputs only number of matches in file
- i -> case insensitive search
- v -> outputs non-matches
- w -> outputs only full word matches, ignores substring matches
- A NUM -B NUM and -C NUM -> outputs NUM context lines, A is before, B is after, C is both
- e -> allows specification of another search pattern, finds lines with any matched pattern
- z and -Z -> used when dealing with files that have newlines in their names
- q -> suppresses output entirely
- s -> suppresses error messages

Running command "Export VARIABLE='setting' " allows changing of environment variables

Important variables:

GREP_OPTIONS -> specifies default flags

GREP_COLORS -> specifies output colors

For more info, visit <https://linux.die.net/man/1/grep>