**Regex**

Regular expressions are very crucial for you as a DevOps, you can use it to update thousands of files at once!   
For instance, if you need to change port number or connection string in several config files …

**Tools supporting regex in Linux:***grep*

*vim*

*sed*

*awk*

**USING REGULAR EXPRESSIONS**

grep 'rat$' /usr/share/dict/words -A 3

grep 'rat$' /usr/share/dict/words -B 2

grep -i 'Rat$' /usr/share/dict/words -B 2

grep -v '^#' /etc/ssh/sshd\_config

grep -e '^cat$' -e '^dog$' /usr/share/dict/words

grep -e '^c[aeiou]t$' -e '^d[aeiou]g$' /usr/share/dict/words

vim, grep, and less using regular  
expressions, programming languages such as Perl , Python, and C all use regular expressions  
when using pattern-matching criteria.

/usr/share/dict/words

^  
&

**^c[adc]t$**

**^c.\*t$**

In the previous examples, Bash regex syntax is being used. There are some  
slight differences in the syntax used for regular expressions between different  
implementations (Bash, Python, Per l , etc.).

**A screenshot of a computer error

Description automatically generated**

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