

# Grep and Piping

Let's start off with the grep.

Suppose you want to search for a particular word in a file, let's say you are looking for the word **"password"** in a log file but the log file consist of hundred or maybe thousands of line. It is not feasible for anyone to look at each line for the particular word.

In this case, grep can be great tool that you can have in your arsenal. Using grep we can search for a particular word in different types of files.

We have a wordlist here that contains millions of password. If i want to see how many passwords contains the word pass. I can use grep for that

```
grep "pass" rockyou.txt
```

We can also eliminate the case sensitive search by using the -i flag.

```
grep -i "pass" rockyou.txt
```

Next, if we want to send one command output to another one, we can do this using piping.

Let's say i want to print out the contents of a the passwd file but only want to display the root user information. For that, i can just cat the /etc/passwd file and then pipe the cat output to the grep filter.

```
cat /etc/passwd | grep "root"
```

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