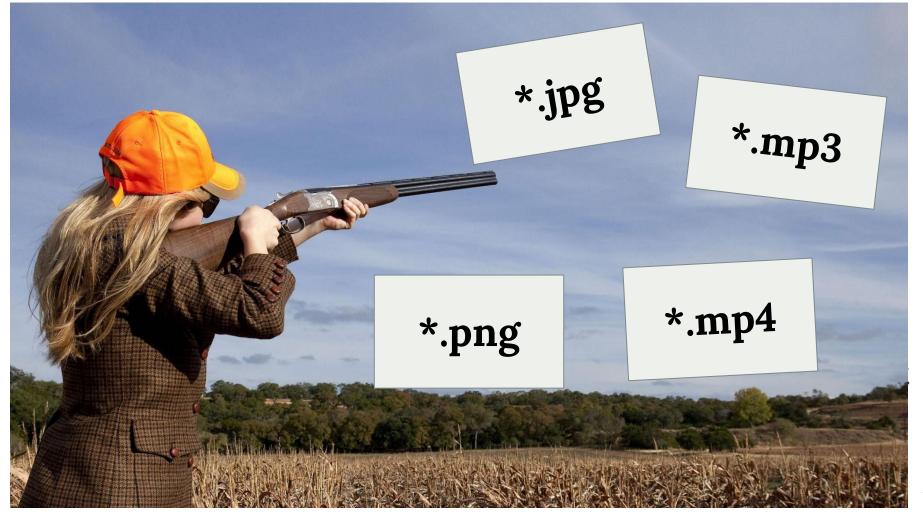


# FILE HUNTING THE CYBER WAY

- We're going to review different commands (both old and new) to help us find files within our system!
- This helps us to find certain "unauthorized media files" that need to be removed as specified by the README
  - Might also be some sneaky password files or exposed copies of



## BASIC FILE EXTENSIONS

- txt: deals with files containing text, can be opened by text editors, etc.
- .jpg: compressed image format (pictures)
- png: portable graphics format (basically pictures)
- .mp3: digital audio files
- .mp4: digital video files

Tip: you may want to look up other extensions to expand your knowledge



#### FIND

- find: searches/locates files and directories based on certain criteria
  - find (directory) <-type (f,d)> -name
    [name\_of\_file]
    - name can use "\*.mp3" or "\*.txt" to find all files of that type
  - -perm [perms]: can search for files/directories w/ certain permissions
- a lot of different versatile ways to use this command!

#### GREP

- grep: works similar to Ctrl + F (finds specific keywords/characters in a file or output)
  - grep [string\_to\_find] [file\_name]
- can be used in conjunction with find (or any output really)
  - find <dir> | grep "<bleh>"
    - find / | grep "[.]mp3"
  - Is /etc | grep passwd
- also very fun to use in conjunction with many

### LOCATE

- locate: helps you to locate particular files based on string (uses database vs. filesystem)
  - locate [filename]
  - can also apply the \*[.]txt\* or \*[.jpg\* for the filename argument
- sudo updatedb
  - must do this to update database

## SOMETHING OFF TOPIC...

We need some networking/general configs to better improve our overall security

- Sets better settings for methods in sending stuff around
- Better general settings improve various behaviors of the system
- https://klaver.it/
- https://klaver.it/linux/ (sysctl.conf specifically)