**Working With Files and Directories**

**Mkdir** – make directory

* Mikdir test1

**Ls** – show items

* -l will show permissions with it

**Cd** test1/ - change dir

**Echo** – creating a file

* Echo Red Team Nation! > secret1
* Writes ‘red team nation!’ into a secret1.txt file
* Linux often doesn’t care about the file type when executing, its more on the file content
* Echo Blue Team Nation! >> secret1, appends to file, > will overwrite

**File** – says what file type it is

**Mv** – move file

* Renaming
* Mv secret1 secret2
  + No direct rename command, must move file to new file name

**Cat** – read file

**Touch** – creates empty file / overwrites file with nothing in it

* Touch test1, would empty secret1 and essentially make a new empty file

**Cp** – copy

* -R, recursiveness, grab everything in the file
* Cp -R test1/ test2
  + Copys whole dir and pastes to test2 dir
  + Ls will show both test1 and test2

**Delete** – rm

* Rm -r test2
* Recursively deletes test2 directory
  + Needs -r or won’t work (for dir)
* Rm \*
  + Only use this when you are sure
  + There is no undo
  + This will delete everything in that location
  + Rm -rf / will literally delete everything on the root drive
* Rm -f, force delete, no prompt – ‘are you sure?’

**Standard I/O/E/**

Ls -5

* Gives error: ‘invalid option – ‘5’’

Ls -l 2> errors

* Pipes errors into a file called ‘errors’

Cat errors

* Invalid option – ‘5’

Ls -l | grep error

* Will bring up all files with ‘error’ in it