Linux Permissions

1. Basic Permissions
   1. Read – r (4)
   2. Write – w (2)
   3. Execute – x (1)

Chmod – change file/folder permissions

Drwxrwxrwx – 1Type/3User/3Group/3Other

Rwx = 7

r-x = 5

-wx = 3

Rw- = 6

1. Chown

User: user

User:root

Root:root

Root:

1. Hidden Attributes
   * + - a: append only
       - c : compressed
       - d: no dump
       - e: extend format
       - i: immutable
       - j: data jurnalling
       - s: secure deletion
       - t: no tail-merging
       - u: undeletable
       - A: no atime updates
       - C: no copy on writes
       - D: synchronous directory updates
       - S: synchronous updates
       - T: top of directory hierarchy
   1. lsattr – shows hidden permissions (list attribute)
   2. chattr – change attribute (changes hidden attribute)
      1. chattr + I {fileName} – file becomes immutable (cannot be augmented in any way)