Hi Trainees,

We will be covering the Linux Commands for upcoming two Days. Below given are topics which are needed to be covered by today.
Before Starting Please understand that:

- What is that command ?
- Need of that command ?
- How and where to use it ?

2. Linux Commands

Note: The Linux commands need to be practiced along with wildcards wherever applicable. (http://tldp.org/LDP/GNU-Linux-Tools-Summary/html/x11655.htm).

Learn Linux directory structure (https://en.wikipedia.org/wiki/Filesystem_Hierarchy_Standard)

2.1. Super user
- sudo
- su

2.2. Package installation
- yum (for Fedora)
- apt-get (for Ubuntu)

2.3. Files/Directory Basics
- cp [with options] <-l, -a, -r, -f, -i, -v, --help>
- mv [with options] <-l, -a, -f, -i, -v, --help>
- rm [with options] <-i, -r>
- ln [with option] <-s>
- cd [with parameters] < .., dir_path, /, ~/ >
- pwd
- mkdir<-p>
- rmdir
- ls [with options] <-l, -h, -a, -R, --help>
- tree

2.4. File viewing

- cat
- less

- head [with options] <-c, -n>
- tail [with options] <-c, -n, -f>
- more

2.5. File properties

- stat
- wc [with options] <-c, -b, -l>
- du [with options] <-s, -h, -a>
- file
- touch [with options] <-c, -a, -m>
- chown
- chmod

2.6. File location
- find [with options] <-P, -L, -name, -size, -perm, -user, -wholename.>
- locate
- which
- whereis

2.7. File text identification
- grep [with options] <-n, -i, -c, -r>
  - regular expression (https://www.cs.tut.fi/~jkorpela/perl/regexp.html)

2.8. File comparison
- diff [with options] <-u, -N, -R, -i>
- comm
- cmp
- vimdiff (For vim users)

2.9. Disk and file-system

- df <-h>
- mount [with options] <-o, -t>
- umount
- fdisk
- mkfs.ext*, mkfs.vfat, mkfs.ntfs

2.10. Runtime level management

- exit
- reboot
- shutdown <-c, +n(where n is an integer)>