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| **Command** | **Description** | **Output** |
| df | The df command is a command line utility for reporting file system disk space usage. It can be used to show the free space on a Unix or Linux computer and to understand the filesystems that have been mounted. | |  |  | | --- | --- | |  | $ df -k | |  | Filesystem 1K-blocks Used Available Use% Mounted on | |  | /dev/sda5 274990368 22989696 238008892 9% / | |  | none 4 0 4 0% /sys/fs/cgroup | |  | udev 1999860 4 1999856 1% /dev | |  | tmpfs 401876 1076 400800 1% /run | |  | none 5120 0 5120 0% /run/lock | |  | none 2009376 192 2009184 1% /run/shm | |  | none 102400 44 102356 1% /run/user | |  | 7.1.1.147:/home/staff 476578840 149681448 302665560 34% /home/staff | |  | /dev/sda2 102297596 38637708 63659888 38% /media/universe/4682C5A082C594B9 | |
| du | du command in Linux with examples. du command, short for disk usage, is used to estimate file space usage. The du command can be used to track the files and directories which are consuming excessive amount of space on hard disk drive. –apparent-size : print apparent sizes, rather than disk usage | $ du Documents  110000 Documents |
| ls | ls command is a basic command in Linux used to List files and directories. ls command comes with so many arguments and features like you can sort files and directories by Date, by Size, able to check hidden files and directories, permissions, inode information and so on. | $ ls -a // Display Hidden Files  . franky.pcap .pgadmin3  .. .gconf .pgadmin\_histoqueries  123456.pcap .gimp-2.8 pgadmin.log  12345.pcap .git .pgpass  1234.pcap .gitconfig Pictures  1.tcp glassfish-4.0 .pip  7109 .gnome2 .pki  7474 .gnome2\_private pox |
| mount | mount command is used to mount the filesystem found on a device to big tree structure(Linux filesystem) rooted at '/'. Conversely, another command umount can be used to detach these devices from the Tree. These commands tells the Kernel to attach the filesystem found at device to the dir. | $ mount  /dev/sda5 on / type ext4 (rw,errors=remount-ro)  proc on /proc type proc (rw,noexec,nosuid,nodev)  sysfs on /sys type sysfs (rw,noexec,nosuid,nodev)  none on /sys/fs/cgroup type tmpfs (rw)  none on /sys/fs/fuse/connections type fusectl (rw) |