|  |  |  |
| --- | --- | --- |
| r,w,x (read, write, execute)  Permission | Binary | Octal |
| --- | 000 | 0 |
| --x | 001 | 1 |
| -w- | 010 | 2 |
| -wx | 011 | 3 |
| r-- | 100 | 4 |
| r-x | 101 | 5 |
| rw- | 110 | 6 |
| rwx | 111 | 7 |

Add & Remove User

|  |  |
| --- | --- |
|  |  |
| -n –g useradd –n –g users –G wheel –s /bin/bash <UserName> | Create new user |
| passwd <UserName> | add password |
| sudo userdel <UserName> | remove user but user data will not removed |
| sudo userdel –r <UserName> | remove user with all data |

Group

|  |  |
| --- | --- |
|  |  |
| groups | Display current user groups |
| cat /etc/group | Display all groups in system |
| sudo groupadd <groupName> | add new group |
| sudo groupdel <groupName> | delete group |
| sudo gpasswd –a < groupName > <UserName> | remove user from the group |
| sudo gpasswd –d < groupName > <UserName> |  |

View Resources with df, du, free

|  |  |
| --- | --- |
|  |  |
| df | show used and available memory of the system |
| df –h | show used and available memory of the system in human readable format |
| du | display current directory memory details and at the end total memory |
| du -h | display current directory memory details and at the end total memory human readable format |
| du -sh | display current directory summary in human readable format |
| free | display total amount free and used physical and swap memory in the system and buffer used by kernal |
|  |  |